Curriculum Vitae SUSANNAH L. SCOTT

updated 8/25/2020 Mellichamp Chair in Sustainable Ca

Duncan and Suzanne Mellichamp Chair in Sustainable Catalytic Processing Distinguished Professor of Chemical Engineering, and of Chemistry & Biochemistry Associate Editor, *ACS Catalysis*, Board of Reviewing Editors, *Science* Director, Center for Sustainable Manufacturing and Product Design, UC Santa Barbara Director, Enhancing Success in Transfer Education for Engineering Majors (ESTEEM) University of California, Santa Barbara, CA 93106-5080, USA Phone: (805) 893-5606; email: <u>sscott@ucsb.edu</u>

Areas of Expertise

- Design of new heterogeneous and supported catalysts for olefin polymerization, metathesis and oxidation, and alkane activation;
- Applications of surface organometallic chemistry to active site characterization in heterogeneous catalysis and chemical vapor deposition of atomically-precise thin films;
- Catalytic transformations of renewable energy feedstocks to fuels and chemical feedstocks;
- Inorganic reaction mechanisms, especially related to the activation of small molecules;
- New kinetic and spectroscopic methods for catalyst characterization.

Education

YEAR	DEGREE	DISCIPLINE	INSTITUTION
1987-1991	Ph.D.	Inorganic Chemistry	Iowa State University of Science and Technology
1984-1987	B.Sc.	Chemistry	University of Alberta

Academic or Professional Appointments

YEAR	TITLE	INSTITUTION
2020-2022	Chair, Academic Senate	University of California, Santa Barbara
2018-2021	Chang Jiang International Visiting Professor	Dalian University of Technology
2014-present	Duncan & Suzanne Mellichamp Academic Initiative Professor	University of California, Santa Barbara
2014-present	Distinguished Professor	University of California, Santa Barbara
2003-present	Professor of Chemical Engineering	University of California, Santa Barbara, USA
2003-present	Professor of Chemistry & Biochemistry	University of California, Santa Barbara, USA
1998-2002	Associate Professor of Chemistry	University of Ottawa, Canada
1994-1998	Assistant Professor of Chemistry	University of Ottawa, Canada
1992-1994	NATO Postdoctoral Fellow	Institut de recherches sur la catalyse, Lyon, France
1992	Postdoctoral Fellow	Ames Laboratory, Ames IA, USA
2020-2022	Chair, Academic Senate	University of California, Santa Barbara

Professional Organizations

Member	American Institute of Chemical Engineers
Member	American Chemical Society
Fellow	American Association for the Advancement of Science

Awards and Honors:

	1987	Gold Medal in Chemistry, University of Alberta
	1987-1991	1967 Centennial Post-graduate Scholarship, NSERC
	1989	Teaching Excellence Award, Iowa State University
	1991	Research Excellence Award, Iowa State University
	1992-1994	NATO Postdoctoral Fellowship
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1994	John Charles Polanyi Prize in Chemistry
1994-1999	NSERC Women's Faculty Award
1997	Cottrell Scholar of Research Corporation
1998, 1999	Union Carbide Innovation Recognition Award
1999	University of Ottawa Young Researcher of the Year Award
1999	Premier's Research Excellence Award (Ontario)
2000	YWCA Women of Distinction Award (Information Technology and Science)
2001	Canada Research Chair in Surface Organometallic Catalyst Design
2001	Miller Visiting Research Professorship, University of California – Berkeley
2003	Prize for Best Poster, Catalysis and Reaction Engineering Divison, AIChE meeting, San Francisco CA
2006	Pinnacle Award (Science and Technology), South Coast Business Times
2008	Elected Fellow of the American Association for the Advancement of Science
2012	Visiting Professorship for Senior International Scientists, Chinese Academy of Sciences
2013	Mike and Jean Steffenson Lecturer, Iowa State University
2014-2019	Mellichamp Academic Initiative Professorship in Sustainability, UC Santa Barbara
2016	Visiting International Professorship, Université de Lille 1 – Sciences et Technologies
2017	Vladimir N. Ipatieff Lectureship, Northwestern University
2017	Grace Hopper Distinguished Lecturer, University of Pennsylvania
2018	John van Geuns Lecturer, University of Amsterdam
2019	Boulder Scientific Lecturer, Colorado State University
2018-2021	ChangJiang International Scholar Visiting Professor, Dalian University of Technology
2019	Kurt Wohl Memorial Lecturer, University of Delaware
2019	Eastman Lecturer, University of California, Berkeley
 2020	Chair, Gordon Research Conference on Catalysis

Graduate Thesis Projects Directed:

		ADVISOR/	DEGREE,
NAME	THESIS TITLE	COADVISOR	YEAR
Gordon Rice	Structure and reactivity of silica-supported vanadium and vanadium/titanium single-site catalysts	Advisor	PhD 1999
Jamila Nait Ajjou ¹	Structure and reactivity of silica-supported chromium(IV) complexes	Advisor	PhD 2000
Abdillahi Bouh	Preparation, characterization and reactivity of mono- and dinuclear silica-supported titanium(IV) complexes	Advisor	PhD 2001
Lisa Van Loon ¹	Kinetic study of the stabilization and reduction of the aqueous mercuric ion by sulfite: Implications for atmospheric deposition	Advisor	MSc 2001
Marcel Beaudoin	Structure and reactivity of silica-supported titanium and molybdenum(IV) amido complexes	Advisor	PhD 2002
Anqiu Fu	Effect of the silica support on the reactivity and polymerization activity of organochromium complexes	Advisor	MSc 2002
Tagenine Alladin	Grafting and thermolysis of tetraneopentylzirconium on silica	Advisor	MSc 2003
Valbona Celo ²	Abiotic pathways of mercury methylation in the aquatic environment	Co-advisor	PhD 2003
Ziyad Taha	Silica-supported vanadium complexes: Structure, characterization and reactivity, especially towards olefins	Advisor	PhD 2004
Fuad Ababneh	Application of chemical kinetics to mercury cycling in the aquatic environment: Photoreduction of Hg(II) and binding of Hg(II) and MeHg ⁺ to natural ligands	Co-advisor	PhD 2005
Heather Leifeste	Kinetic studies of metathesis reactions catalyzed by supported methyltrioxorhenium	Advisor	MSc 2005
Eric Deguns ³	An XAS investigation of the structure of silica-supported titanium, vanadium and gallium catalysts	Advisor	PhD 2006
Anthony Moses⁵	Effects of support-substrate interactions for rhenium-based heterogeneous olefin metathesis catalysts	Advisor	PhD 2007
Cori Demmelmaier	Activation of heterogeneous catalysts for the production of polyethylene	Advisor	PhD 2008
Miyako Hisamoto	Interaction of Dimethylacetylacetonatogold(III) with Oxide Supports	Advisor	PhD 2009
Brian Peoples ^₄	Clay-polyolefin nanocomposites by in situ polymerization	Advisor	PhD 2008
Robert Savinelli	Metal carbide catalysts for the water-gas shift reaction	Advisor	PhD 2010

Brian Vicente	A comparison of homogeneous and heterogeneous alkane metathesis catalysts	Advisor	PhD 2010
Samuel Fleischman	Spectroscopic Investigation of Grafting Sites in Oxide Supports of Heterogeneous Catalysts	Advisor	PhD 2011
Kim-Lien Dinh	Spectroscopic Investigation of the Reaction of Dimethylzinc on Silica Surfaces	Advisor	MSc 2011
Trenton Tovar	Interaction of $ZnCl_2$ with Supported Methyltrioxorhenium to Promote Olefin Metathesis	Co-advisor	MSc 2011
Bryanna Kunkel	Investigation of Thermal Stability and Flammability of Polyolefin Composites	Advisor	PhD 2011
Joseph Sirianni	Elucidation of the Molecular Structure of an Alkane Dehydrogenation Component of the Tandem Alkane Metathesis Cycle	Advisor	MSc 2012
Xiaoying Ouyang	Palladium-Substituted Perovskite Catalysts for Automotive Exhaust Emission Control	Advisor	PhD 2012
Ying-Jen Wanglee	Structure and Reactivity of Grafted Organochromium and Organoborane Complexes on Silica	Advisor	PhD 2012
Anthony Crisci	Acid-Functionalized Mesoporous Ordered Materials for the Production of 5-Hydroxymethyfurfural from Carbohydrates	Advisor	PhD 2013
Ryan Davis ⁶	<i>Operando</i> Spectroscopic Investigation of Supported Pd and Low-surface Area Mixed Metal Oxide Catalysts for Automotive Emissions After- treatment	Advisor	PhD 2013
Taeho Hwang ⁷	Kinetic Analysis of Organometallic Catalyst Precursors in Solution and on Surfaces	Advisor	PhD 2014
Bethany Wigington ⁸	Redox Reactions of Silica-Supported Complexes and their Molecular Analogs	Advisor	PhD 2015
Daniel Coller7	Complex oxides as hosts for noble metal catalysts	Advisor	PhD 2016
Zachary Jones	Porous metal oxide catalysts for lignin hydrogenolysis	Advisor	PhD, 2018
Youhong Wang ⁹	Surface organochromium models for the Phillips catalyst	Advisor	PhD 2017
Abigail Serrano ¹⁰	Tethered catalysts for alcohol oxidation	Advisor	PhD 2019
Ali Chamas ¹¹	Catalysts for disassembly of lignin	Advisor	In progress
Tarnuma Tabassum ¹²	Magnetic resonance investigations of supported catalysts	Co-advisor	In progress
Hyunjin Moon	Mobility and adsorption in mesoporous catalysts with tunable hydrophilicity	Advisor	In progress
Salman Khan	Modeling amorphous catalytic materials	Co-Advisor	In progress
Li Li	Supported olefin metathesis catalysts	Advisor	In progress
Michael Spears	Kinetics of complex redox reactions	Advisor	In progress
Jiakai Sun	Catalytic depolymerization of polyethylene	Advisor	In progress
Jacqueline Rohrer	Selective lignin hydrogenolysis	Advisor	In progress
Garrett Strong	Polyolefin upcycling	Advisor	In progress

1. NSERC Postgraduate Fellowship. 2. Ontario Graduate Scholarship. 3. Stanford Synchrotron Radiation Laboratory Annual Users' Meeting Prize: Best Graduate Student Poster. 4. Annual University of California Surface Science and Its Application Symposium, Second prize (Poster competition). 5. Mitsubishi Chemical Distinguished Graduate Fellowship. 6. Phi Lambda Upsilon Award for academic achievement by first-year graduate student in Chemistry. 7. Air Products Fellowship. 8. Best Poster Award, 25th Organic Reactions Catalysis Society meeting, 2014. 9. Best Poster Prize, Asian Polyolefins 2013 meeting. 10. Fulbright Fellowship. 11. Department of Energy Science Graduate Student Research Award, 2018. ¹⁰Chateaubriand Fellowship, Embassy of France in the United States, 2019.

Postdoctoral Scholars and Visiting Scientists Supervised:

NAME	YEAR	CURRENT EMPLOYMENT
Carmen Roveda	1999	
Fengfu Li	1999-2001	
Jinhua Zhang	1999	
Olusola Womiloju	2000	
Xinsheng Li	2000	Exxon-Mobil
Mukut Bajpai	2000	
Dao Hinh Nguyen	2001	Canada National Research Council
Ludmila Nossova	2001-2002	Health Canada

Elena Emelianova	2002	
Azfar Hassan	2001-2002	University of Calgary
Leonard MacAdams	2002	KiON Corp.
Ghazar Aharonian	2002	University of Ottawa
Nazafarin Lahoutifard	2001-2003	INERIS, Paris
Udayshankar Singh	2004-2007	Grace-Davison
Swarup Chattopadhyay	2004-2006	Ohio University
Naseem Ramsahye	2004-2005	Université Montpellier
Ziyad Taha	2004-2005	Jordan University of Science & Technology
Cathleen Yung	2004-2006	Exxon-Mobil
Rosemary White	2006-2008	Boston University
Ryan Nelson	2006-2010	Argonne National Laboratory
Mabel Caipa	2007-2008	
Ming-Yung Lee	2007-2010	Formosa Plastics
Jennifer McCahill	2008-2009	Dalhousie University
Phillip Mania	2009	Visiting graduate student from ETH Zurich, Swiss Federal Scholarship
Jing Huang	2009-2010	Visiting graduate student from Nanjing University
Tonosaki Kiwamu	2009	Visiting graduate student from Japan Advanced Institute of Science and
		Technology
Philippe Perrotin	2009-2011	Boulder Scientific
Haian Xia	2009-2010	Now Faculty in Chemical Engineering, Nanjing Forestry University
Lei Zhona	2010-2011	Visiting graduate student from East China University of Science and
3		Technology
Khaled Belkacemi	2010-2011	Faculty, Dept of Soil Science and Agri-Food Engineering, Université Laval,
		Canada
Safia Hamoudi	2010-2011	Faculty, Dept of Soil Science and Agri-Food Engineering, Université Laval.
		Canada
Junijang 7hu	2011	Visiting researcher. Technical University of Berlin
Sebastian Grundner	2011	Co-supervised Master's thesis (with Johannes Lercher). Technical University
	2011	of Munich
lulia Rieb	2011-2012	Visiting Fulbright Scholar, Technical University of Munich
Kwanvin (Gary) Ng	2012-2013	Freeslate
Alessandro Gallo	2012 -	SUNCAT
Jinghong Zhou	2012-2013	Visiting faculty from Fast China University of Science and Technology, China
	2012 2010	Scholarship Council State Scholarship
Xijin Song	2012	Visiting faculty from Zheijang University, China Scholarship Council State
Xijin cong	LOIL	Scholarshin
Stephanie Goubert-	2012-	Lam Research Corporatio
Renaudin	2012	
Haibo Yu	2012-2013	Visiting researcher from SINOPEC Department of Ethylene Technology
	LOTE LOTS	Reijing
Zhenhuan Zhou	2013-2014	Visiting researcher from SINOPEC Research Institute of Petroleum
	2013 2011	Processing
Daniel Ruiz	2013	Visiting graduate student from Universidad de Guanaiuato
Xin Liang	2013-2014	Visiting researcher from Beijing University of Chemical Technology Beijing
Yanning Zeng	2014	Visiting graduate student from Japan Advanced Institute for Science and
	LOTT	Technology
7i'ang Nan	2014	Visiting iCHEM exchange student from Yiamen University
	2014	Visiting iCHEM exchange student from Xiamen University
Vinhe Bao	2014	Visiting professor from Dalian Institute of Chemical Physics
Dr. Domenick Leto	2014 2014-present	Visiting professor from Danan institute of chemical mysics
	2014-present 2014-2015	Visiting Professor from Hebei University of Technology
	2014-2015	Visiting graduate student from Dalian University of Technology
Anna Katharina Reino	2014-2013	Visiting graduate student from Dallah University of Technology Visiting graduate student from DWTH University Aachon
Christian Haidn	2014-2015	Visiting graduate student from Technical University, Addient
	2014-2015	Visiting graduate student from Liniversity of Mullion
Dr Long Oi	2014-2013	Ames Laboratory
Anna Kann	2017-015	Visiting graduate student from DW/TU University Aachon
	2013	visiting graduate student from KWITH University, Addien

Ximeng Chen	2015	Visiting graduate student from RWTH University, Aachen
Marvin Bachmann	2016	Visiting graduate student from RWTH University, Aachen
Fan Zhang	2015-2016	CSC/iCHEM Postdoctoral Scholar
Akash Aryal	2015-2016	Visiting graduate student from RWTH University, Aachen
Jia Ru	2016	Visiting Professor from Bureau of Major R&D Programs, Chinese Academy of
		Sciences
Hiyoshi Hayashibara	2016	Visiting graduate student from Tokyo Metropolitan University
Jan Wiesenthal	2016	Visiting graduate student from RWTH University, Aachen
Dr. Praveen Kumar	2016-2018	Postdoctoral Scholar with SERB Indo-US Postdoctoral Fellowship
Julia Wohland	2017	Visiting graduate student from RWTH University, Aachen
Dr. Dong Won Hwang	2017-2018	Visiting faculty from Korea Research Institute of Chemical Technology,
		Daejeon, South Korea
Fangwen Cheng	2017	Visiting CSC exchange student from Xiamen University, China
Ryuki Baba	2017	Visiting graduate student from Japan Advanced Institute for Science &
		Technology (JAIST)
Prof. Xiantai Zhou	2017	Visiting faculty from Sun Yat-Sen University, Guangzhou, China
Sophia Brauksiepe	2017	Visiting graduate student from RWTH University, Aachen
Timon Lazaridis	2018	Visiting graduate student from RWTH University, Aachen, Germany
Nina Sackers	2018	Visiting graduate student from RWTH University, Aachen, Germany
Sonja Mürtz	2018	Visiting graduate student from RWTH University, Aachen, Germany
Xinde Wang	2018	Visiting graduate student from RWTH University, Aachen, Germany
Guido Schroer	2018	Visiting graduate student from RWTH University, Aachen, Germany
Nico Thanheuser	2019	Visiting graduate student from RWTH University, Aachen
Prof. Tao Zheng	2019	Visiting faculty from Nanjing Univ. of Science and Technology
Yang Wang	2019-2020	Visiting graduate student from Dalian Univ. of Technology
Dr. Xiaoling Dong	2019-2020	Visiting postdoctoral scholar from Dalian Univ. of Technology
Prof. Wanling Shen	2019-2020	Visiting faculty from Henan Univ. of Technology
Prof. Xin Li	2019-2020	Visiting faculty from Henan Univ. of Technology
Dr. Xiangcheng Sun	2019-2020	Postdoctoral Scholar
Dr. Lijun Gao	2020-	Postdoctoral Scholar
Qiuchen Yang	2021-2022	Visiting graduate student from Beijing Institute of Technology

Undergraduate Projects Directed:

STUDENT	PROJECT	DEGREE AWARDED	POST-GRADUATION EMPLOYMENT
Helen Parry	Siloxane models	1995	Proctor & Gamble
Hazel Hunter	Fe ₃ (CO) ₁₂ /alumina	1996	Grad school, St. Andrews Univ.
Craig Crippen	Reactivity of rhodium-phosphine complexes on silica and alumina (BSc Honors Thesis)	1995	Pharmacy, Univ. of Ottawa
Lydie L. Yu Hing	Caractérisation du chromocène sur silice (BSc Honors Thesis)	1995	Grad school, UBC
Catherine Johnston	Surface chemistry of Rh(allyl) ₃	1995	City of Ottawa Water Treatment Facility
Elizabeth Hearn	Grafting of VR4 on silica	1995	Grad school, Univ. of Alberta
Katia Doumit	Chromocene/silica Interactions	1996	Medical school, Université de Montréal
Allison Mills ^{a,b}	Elementary reactions of oxide-supported rhodium fragments (BSc Honors Thesis)	1996	Grad school, Univ. of Alberta
Laurent Savary	Supported OsO4 (DEA Thesis)	1996	Exchange student ESCIL (Lyon, France)
Anne-Marie Hearn	Evaluation of in vacuo IR reflection-absorption spectroscopy in probing adsorption at gas-metal interfaces (BSc Honors Thesis)	1997	Grad school, Univ. of Alberta
Emily Hollink	Grafting of Al(TMS) ₃	1997	Grad school, Univ. of Windsor
Mikolaj Spakowicz	MeRh(PMe ₃) ₃ /silica	1998	Medical school, Univ. of Ottawa

Cory Peel	Interconversion of multiply-bonded ligands in surface organometallic complexes (BSc Honors Thesis)	1998	Medical school, University of Calgary
Chhor Chao	Study of silica-supported rhodium fragments by solid state ³¹ P NMR (BSc Honors Thesis)	1998	
Ghislaine Bailey	Ship-in-a-bottle Ni catalysts in zeolites	1998	Grad school, MIT
Noor Ladhani	Supported epoxidation catalysts	1998	Exchange student, U. Toronto
Kirsty Maunder	Réduction hétérogène de l'oxyde de mercure par des agent réducteurs pertinents à l'atmosphère (BSc Honors Thesis)	1999	Exchange student, Univ. of Reading (UK)
Valérie Paquet	Caractérisation des espèces formés par le greffage du Cr ^t Bud sur la silice (BSC Honors Thesis)	1999	Grad school, Université de Montréal
Lisa Van Loon ^c	Kinetic and mechanistic study of the reduction of mercuric ion in the atmosphere (BSc Honors Thesis)	1999	Grad school, The Ohio State University
Nicola Gambarotta	Synthesis and reactivity of CrtBu4	2000	Medical school
Charles Barabé	Synthesis of $[(C_{22}H_{22}N_4)Ti(SiO_2)]$ macrocyclic complex on silica and zeolite surfaces (BSc Honors Thesis)	2000	I-Stat
Tamara Church ^b	Reactions of AlMe ₃ and Ti(OSiMe ₃) ₄ with silica (BSc Honors Thesis)	2001	Grad school, Cornell Univ.
Joseph Moran	Grafting of Cp*TiMe ₃	2002	Grad school, Univ. of Ottawa
Elizabeth Mader ^{b,d}	Partial hydrolysis of AlMe ₃ modified silica (BSc Honors Thesis)	2002	Grad school, Univ. of Washington - Seattle
Ram Anath ^d	Artifact methylmercury	2003	Ū.
Huda Yusuf	Evidence for mercury-sulfur complexes (BSc Honors Thesis)	2003	Grad school, Univ. of Victoria
Jordan Fromholz	Adsorption of VOCI ₃ in ZSM-5	2006	Chevron
Justin Butler	WC water-gas shift catalysts	2007	Grad school, MIT
Sara Thoi	Tandem alkane metathesis	2007	
Laurel Wixson	Supported metathesis catalysts	2008	Proctor & Gamble
Kuang Po Lin	Supported Ziegler catalysts	2008	Grad school, Stanford University
Alina Warner	Selective transformations of carbohydrates		
Jodi Hong	Phillips polymerization catalysts	2009	
Ricardo Alamillo ^{e,f}	Heterogeneous alkane metathesis	2009	aPeel Technologies
Marissa Jaffe	Structure of silica-supported SnCl ₄		
Michele Sarazen ^e	Alkane metathesis	2010	Grad school, UC Berkeley
Jason Fendi	In situ IR spectroscopy of supported Pd catalysts for CO oxidation	2014	SORAA
Dorothy Owens ^e	Nanoporous catalyst synthesis	2014	
Joshua Simmons	Heterogeneous non-isothermal kinetics	2015	
Christian Perez ^e	Aldehyde-shift catalysts	2015	
Gbogo Adebayo-Ige	Catalytic lignin disassembly	2015	
Ryan MacDonald	Nanoparticle assembly kinetics	2016	
Rishana Ubah ^f	Vanadium-catalyzed oxidation of alcohols	2016	
Quentin Kim	Supported vanadium ROMP catalysts	2016-19	Graduate school, UDelaware
Anthony Pirounakis	Vanadium-catalyzed oxidation of alcohols	2017	
Samira Zaman	EPR study of supported vanadium sites	2018	

^aPrize: Best undergraduate thesis, Department of Chemistry, University of Ottawa. ^bRecipient of NSERC Postgraduate Scholarship. ^cPrize: Undergraduate research, Ontario Ministry of the Environment. ^dRecipient of Faculty of Science Undergraduate Research Scholarship. ^eCENTC Undergraduate Summer Research Fellowship. ^fTirrell Award for Undergraduate research. ^f Academic Research Consortium (ARC) Scholar, visiting from Bloomfield College.

PROFESSIONAL ACTIVITIES

Invited lectures:

No	DATE	
1	05/24/96	Colloque sur les nouveaux matériaux en catalyse. Congrès de l'Association canadienne-française nour
1	03/24/30	l'avancement des sciences. Montréal OC
2	01/28/97	Inversity of Gueloh/University of Waterloo. Departments of Chemistry
2	03/02/97	Gordon Research Conference on Inorganic Reaction Mechanisms Ventura CA
4	04/25/97	University of Delaware Department of Chemistry Newark DE
5	04/28/97	University of Manyland Department of Chemistry, College Park MD
6	05/05/97	7th Ottawa-Carleton Chemistry Institute Spring Symposium Ottawa ON
7	06/13/97	Université de Rennes Laboratoire de spectroscopie de surface. Rennes, France
8	06/17/97	CNRS Laboratoire de chimie de coordination. Toulouse, France
g	06/24/97	CPE-Lyon Laboratorie de chimie organométallique de surface Lyon France
10	10/07/97	Purdue University Department of Chemistry West Lafavette IN
11	11/19/97	University of California - Los Angeles Department of Chemistry
12	11/20/97	University of California - Invine Department of Chemistry Invine CA
13	12/08/97	NOVA Research and Technology Centre, Calgary AB
14	12/18/97	University of Alberta, Department of Chemistry, Edmonton AB
15	03/24/98	Université de Montréal Département de chimie Montréal OC
16	05/14/98	Catalyst Skills Center Union Carbide Corporation Charleston WV
17	5/31/98	Symposium on Catalysis: Surfaces and in Solution, Canadian Society for Chemistry National meeting
.,	5/51/50	Whistler BC
18	07/26/98	Gordon Research Conference on Organometallic Chemistry, Newport RI
19	09/15/98	Sigma Xi Society, Ottawa Section, Ottawa ON
20	10/23/98	University of Manitoba, Department of Chemistry, Winnipeg MB
21	10/26/98	University of Winnipeg, Department of Chemistry, Winnipeg, MB
22	05/13/99	Catalyst Skills Center, Union Carbide Corporation, Charleston WV
23	05/30/99	Symposium on Surface Chemistry Perspectives on the Design of Materials Properties, Canadian Society
		for Chemistry National Meeting, Toronto ON
24	06/16/99	Union Carbide Corporation, Bound Brook NJ
25	06/20/99	Gordon Research Conference on Catalysis, Colby-Sawyer College, NH
26	07/09/99	Research Corporation Cottrell Scholars Conference, Tucson AZ
27	10/20/99	Iowa State University, Department of Chemistry, Ames IA
28	10/22/99	University of California - Berkeley, Department of Chemistry, Berkeley CA
29	11/06/99	DOW Chemical Technical Advisory Board meeting, Detroit MI
30	11/16/99	Yale University, Department of Chemistry, Hartford CT
31	06/01/99	Université Laval, Département de chimie, Québec QC
32	09/23/99	University of Waterloo, Department of Chemical Engineering, Waterloo ON
33	01/10/00	Dow Chemical Company Corporate R&D, Midland MI
34	02/05/00	University of Toronto, Department of Chemistry, Toronto ON
35	02/08/00	University of Washington, Department of Chemistry, Seattle, WA
36	05/23/00	Keynote Lecture: 16th Canadian Society for Catalysis Meeting, Banff AB
37	07/01/00	1 st European Conference on Reactor Engineering for Polymerization, Lyon, France
38	11/27/00	Symposium on Advanced Catalytic Materials, Materials Research Society annual meeting, Boston MA
39	12/15/00	Symposium on Materials Chemistry on Oxide and Carbide Surfaces, Pacifichem 2000, Honolulu HI
40	01/25/01	University of California – Santa Barbara, Department of Chemical Engineering
41	02/02/01	University of California – Berkeley, Department of Chemistry, Berkeley CA
42	02/03/01	Miller Institute for Basic Research, University of California - Berkeley, CA
43	04/01/01	Symposium on Molecular Engineering for Phase Separable Catalysis, American Chemical Society National
		Meeting, San Diego CA
44	04/04/01	Distinguished Lecture Series, Catalysis Centre, University of California – Berkeley, CA
45	04/09/01	Distinguished Lecturer Series, University of Toronto, Department of Chemical Engineering, Toronto ON
46	04/16/01	Florida Catalysis Conference, Palm Coast FL

47	05/11/01	Baytown Polymer Center, Exxon-Mobil Chemical Company, Baytown TX			
48	06/04/01	California Institute of Technology, Department of Chemistry, Pasadena CA			
49	06/05/01	Stanford University, Department of Chemistry, Palo Alto CA			
50	07/05/01	14 th International Symposium on Olefin Metathesis, Boston MA			
51	08/26/01	Symposium on The Chemistry of the Metal-Nitrogen Bond, 222 nd American Chemical Society National			
		Meeting, Chicago IL			
52	09/26/01	University of Western Ontario. Department of Chemistry. London ON			
53	10/11/01	York University, Department of Chemistry, Toronto ON			
54	03/18/02	University of British Columbia, Department of Chemistry, Vancouver BC			
55	03/19/02	University of Victoria Department of Chemistry, Victoria BC			
56	03/20/02	Simon Eraser University, Department of Chemistry, Vancouver BC			
57	04/15/02	Frontiers in Catalysis Seminar Series, University of Wisconsin, Department of Chemistry, Madison WI			
58	04/25/02	Georgia Tech Department of Chemistry, Atlanta GA			
50	05/02/02	Baytown Polymer Center, Evyon-Mobil Chemical Company, Baytown TY			
55 60	06/01/02	Symposium on Frontiers of Transition-Metal Organometallic Chemistry, Canadian Society for Chemistry			
00	00/01/02	National Mosting, Vancouver PC			
61	07/20/02	Cordon Beccarch Conference on Inergania Chemistry, Newport DI			
62	11/09/02	Eleride State University, Department of Chemietry, Tellebasees El			
62	11/06/02	Honda State University, Department of Chemistry, Talianassee FL			
03	01/29/03	Materials Research Outreach Symposium, OCSB			
64 CF	03/12/03	Nova Chemicals Research and Technology Centre, Calgary AB			
65	05/02/03	Baytown Polymer Center, Exxon-Mobil Chemical Company, Baytown TX			
66	05/09/03	University of California-Santa Barbara, Department of Chemistry, Santa Barbara			
67	06/19/03	NSF workshop on Nanotechnology and Catalysis, Washington DC			
68	07/20/03	I th International Symposium on Relations between Homogeneous and Heterogeneous Catalysis,			
~~		Northwestern University, Evanston IL			
69	09/05/03	GE Global Research Center, Niskayuna NY			
70	10/09/03	Tutorial: "Nanostructured Catalysts," 11th Annual Foresight Conference on Molecular Nanotechnology,			
		San Francisco CA			
71	10/11/03	11th Annual Foresight Conference on Molecular Nanotechnology, San Francisco CA			
72	01/29/04	Materials Research Outreach Symposium, UCSB			
73	02/09/04	Pennsylvania State University, Department of Chemistry, State College PA			
74	04/13/04	NSF Workshop on Catalysis for Biorenewables, Washington DC			
75	04/19/04	Workshop on Atmospheric Redox Chemistry of Mercury, Electric Power Research Institute, Palo Alto CA			
76	05/25/04	Department of Energy Basic Energy Sciences Catalysis Contractors' Meeting, Rockville MD			
77	05/26/04	Grace-Davison, Columbia MD			
78	07/05/04	14th International Symposium on Homogeneous Catalysis, Munich, Germany			
79	07/11/04	Gordon Conference on Organometallic Chemistry, Newport RI			
80	07/20/04	Materials Research Laboratory Summer Seminar Series, UCSB, Santa Barbara CA			
81	07/25/04	XXIst International Conference on Organometallic Chemistry, Vancouver BC			
82	11/08/04	AIChE Annual Meeting, Wilhelm Award Symposium honoring Enrique Iglesia			
83	02/01/05	Materials Research Outreach Program Annual Symposium, UCSB			
84	03/12/05	ACS National Meeting, Olah Award Symposium honoring Enrique Iglesia			
85	05/20/05	Department of Energy Basic Energy Sciences Catalysis Contractors' Meeting, Rockville MD			
86	05/27/05	University of California - Santa Barbara, Materials Department Colloquium			
87	07/12/05	Mitsubishi Chemical Research Center, Yokohama, Japan			
88	09/15/05	Lawrence Berkeley National Laboratory			
89	10/24/05	University of Colorado-Boulder, Department of Chemical Engineering			
90	12/08/05	PIRE-ECCI Inaugural Workshop, UCSB			
91	02/10/05	University of California Surface Science Symposium, Berkeley, CA			
92	03/08/06	University of California - Berkeley, Department of Chemical Engineering			
93	04/16/06	NSLS Annual Users' Meeting Workshop (Brookhaven National Laboratory) Synchrotron Catalysis			
		Consortium: New Opportunities for in-situ XAFS Studies of Nanocatalysis			
94	06/29/06	Gordon Conference, Catalysis, Colby-Sawyer College, NH			
95	06/20/06	Plastics R&D Center, The Dow Chemical Company, Freeport TX			
96	08/24/06	PIRE-ECCI Summer School "Techniques of Catalysis and Surface Science". UCSB			
97	09/13/06	1 st Int'l Symposium on Sunflower Industrial Applications. University of Udine. Italy			
98	10/05/06	Nanostructures Interfaces and Surfaces Center of Excellence Colloquium: Olefin polymerization by			
		heterogeneous and homogeneous catalysts: Structure-activity-selectivity relationships, University of			

00	11/06/06	Chicago Catalycic Club				
100	11/00/00	Northwestern University Catalysis Center				
100	11/07/06	Workshop on Catalysis and Surface Science, Santa Barbara				
101	12/15/06	workshop on Catalysis and Surrace Science, Santa Danuara Materials Research Outreach Program Annual symposium LICSP				
102	01/26/07	Aaterials Research Outreach Program Annual symposium, UCSB				
103	02/07/07	niversity of California - Los Angeles, Department of Chemistry				
104	03/21/07	Gordon Conference, Inorganic Reaction Mechanisms, Ventura CA				
105	04/26/07	Int'l Center for Materials Research Workshop on Materials, Gramado, Brazil				
106	05/23/07	Department of Energy Basic Energy Sciences Catalysis Contractors' Meeting, Wintergreen VA (lecture				
		delivered by B. Chmelka due to illness)				
107	06/25/07	Borealis Polymers Oy, Porvoo, Finland				
108	08/29/07	Mitsubishi Chemical Corporation, Yokkaichi, Japan				
109	09/26/07	Texas A&M, Department of Chemistry, College Station, TX				
110	12/07/07	UCSB-PNNL Catalysis Workshop, Santa Barbara CA				
111	01/15/08	Purdue University, Department of Chemical Engineering				
112	02/20/08	UCSB-MPG Workshop on Inorganic Materials for Energy Conversion. Storage and Conservation. UCLA Lake				
		Arrowhead Conference Center				
113	02/26/08	Inaugural Keynote Lecture, EnergyForum LICSB				
114	07/21/08	Gordon Conference Inorganic Chemistry				
115	07/24/08	CENTC Summer School on Organometallic Catalysis				
116	08/15/08	PIPE-ECCI Workshon: "Crand Challenges for Catalysis"				
117	11/07/08	2008 Annual Meeting of the Pacific Coast Catalysis				
110	12/12/08	Mitcubichi Chemical Company, Voldzichi Japan				
110	12/13/00	Argonno National Laboratony, Chicago, Illinois				
120	01/21/09	Argonne National Laboratory, Chicago, Inniois				
120	03/23/09	Symposium on the chemistry of Catalyst Synthesis, ACS National Meeting, Sait Lake City				
121	06/13/09	Los Alamos National Laboratory, Chemistry Division Colloquium, Los Alamos, New Mexico				
122	10/13/09	Conference Deliver. China				
1 2 2	11/10/00	Conference, Beijing, China				
123	11/10/09	Session on Rational Catalyst Design, Alche National Meeting, Nashville TN				
124	00/05/10	Polyoletins Research, The Dow Chemical Company				
125	02/05/10	Materiais Research Outreach Symposium, UCSB, Santa Barbara, California				
126	03/26/10	Symposium on Supported Molecular Catalysts, ACS National Meeting, San Francisco				
127	04/28/10	University of Wisconsin, Department of Chemistry, Madison, Wisconsin				
128	04/30/10	Iowa State University, Department of Chemistry, Ames, Iowa				
129	05/24/10	Plastics R&D, The Dow Chemical Company				
130	07/11/10	Gordon Research Conference, Organometallic Chemistry, Newport, Rhode Island				
131	10/22/10	Department of Chemical Engineering, MIT, Boston MA				
132	11/22/10	Symposium on New Directions in Catalyst Design Jacques Cartier Colloquium on Catalysis Science at the				
		Dawn of the 21 st Century, Lyon, France				
133	12/15/10	Symposium on Polyolefins Chemistry and Beyond - From Bench to Commercial Scale, Pacifichem 2010,				
		Honolulu, Hawaii				
134	01/20/11	Department of Chemical Engineering, Washington State University				
135	01/26/11	Michigan Catalysis Club, Livonia, Ml				
136	01/27/11	The Dow Chemical Company, Core R&D, Midland, MI				
137	02/06/11	Gordon Research Conference, Chemical Reactions at Surfaces, Ventura, California				
138	02/10/11	Department of Energy Basic Energy Sciences Operational Review, Stanford Synchrotron Radiation				
		Laboratory				
139	02/15/11	NSF PIRE Symposium on Internationalizing Research Partnerships: Globalizing US Science and Education,				
		Arlington, VA				
140	03/27/10	Symposium on Renewable Platform Chemicals and New Chemical Building Blocks, 241 st ACS National				
		Meeting, Anaheim, CA				
141	04/14/11	Catalysis Club of Philadelphia, Philadelphia PA				
142	04/15/11	Department of Chemical Engineering, University of Delaware				
143	05/23/11	University of California, Davis, Energy Institute				
144	06/22/11	Energy and Materials from the Sun International Summer School, Rolduc. Netherlands				
145	08/07/10	Gordon Research Conference, Nanoporous Materials, Holderness, NH				
146	08/27/11	NSF Chemistry Catalysis Program, Workshop on Future Directions, Denver, CO				
1/7	00/12/11	IME Boron XIV/ Niagara Falls, Canada				

147 09/12/11 IME Boron XIV, Niagara Falls, Canada

148	10/25/11	Symposium on Synchrotron Applications in Catalysis, SSRL Annual Users' Meeting, Palo Alto, CA
149	11/01/11	Symposium on Oxide Surface Structure and Reactivity, AVS 58 th Annual International Symposium,
		Nashville, TN
150	11/07/11	6 th Sino-US Joint Conference on Chemical Engineering. Symposium on Petrochemicals and Fine Chemicals.
		Beijing. China
151	11/11/11	Department of Chemistry, University of North Texas, Depton TX
152	11/28/11	Physical Chemistry Symposium University of California Los Angeles
152	12/15/11	Institute for Atomic and Molecular Sciences, Academica Sinica, Tainei, Taiwan
155	12/13/11	Department of Chamical and Diamologular Engineering, University of California, Los Angeles
154	01/20/12	Department of Chemical and Diomolecular Engineering, University of Camornia, Los Angeles
155	02/20/12	Department of Chemical Engineering, University of Florida, Gainesville FL
156	03/25/12	Award Symposium for the Gabor A. Somorjal Award for Creative Research in Catalysis and the George A.
		Olan Award in Hydrocarbon or Petroleum Chemistry, 243 th ACS National Meeting, San Diego, CA
157	03/28/12	Keynote lecture: 8 th International Colloquium on Heterogeneous Ziegler-Natta Catalysts, Kanazawa, Japan
158	05/16/12	Symposium on <i>Science, Innovation, and Partnerships for Sustainability Solutions</i> , The National Academies,
		Washington, DC
159	07/10/12	Göttingen ETEM Workshop on Heterogeneous Catalysis, Surface Science and Energy Research, Georg-
		August University of Göttingen, Germany
160	07/18/12	University of Science and Technology of China, Hefei, China
161	08/09/12	Wuhan University, Wuhan, China
162	08/20/12	Symposium for the ACS Catalysis Lectureship for the Advancement of Catalytic Science Award
		Symposium, 244 th ACS National Meeting, Philadelphia PA
163	08/21/12	ACS Presidential Symposium on Ensuring the Sustainability of Critical Materials and Alternatives:
		Addressing the Fundamental Challenges in Separation Science and Engineering, 244 th ACS National
		Meeting, Philadelphia PA.
164	08/23/12	Air Products. Allentown PA
165	09/04/12	Department of Chemical Engineering, Fast China University of Science and Technology, Shanghai, China
166	09/05/12	Department of Chemical Engineering, Naniing Forestry University, Naniing, China
167	09/07/12	Dalian University of Technology Dalian China
168	09/16/12	PIRE-ECCL annual meeting Suzhou China
169	10/09/12	Gulf Coast and Latin American Scientists Organization Seminar. The Dow Chemical Company Freeport TX
170	10/28/12	Symposium in honor of Nick Delgass AIChE annual meeting Pittsburgh PA
171	11/12/12	Fastman Chemical Kingsport TN
172	11/15/12	NSE PIRE Symposium Arlington VA
173	01/25/13	Department of Chemical Engineering, University of California, Riverside
174	03/03/13	Gordon Research Conference on Inorganic Peaction Mechanisms, Calveston TY
175	03/03/13	The Dow Chemical Company Freenert TV
176	03/07/13	Symposium on Catalysts for Renewable Eyels and Chemicals, 2013 Spring ACS Meeting, New Orleans I A
170	04/07/13	Symposium on Catalysis for Renewable Fuels and Chemicals, 2013 Spring ACS Meeting, New Orleans LA
1 7 7	04/07/12	Recorded by ACS Presentations on Demand.
177	04/07/13	Symposium in Honor of Peter Ford's ACS Award for Distinguished Service in the Advancement of
170	04/07/10	Inorganic Chemistry, 2013 Spring ACS Meeting, New Orleans LA
178	04/07/12	Symposium on Catalysis by Materials with Weil-defined Structures, 2013 Spring ACS Meeting, New
		Urleans LA
179	06/21/13	Department of Chemistry, McGill University, Montreal QC, Canada
180	07/01/13	DOE-BES Catalysis Science Contractors' Meeting, Annapolis MD
181	07/23/13	Center for Enabling Technology through Catalysis, 2013 Summer School on Enabling Sustainability and
		Innovation Through Catalysis", Seattle WA
182	09/06/13	Department of Chemical Engineering, Tulane University, New Orleans LA
183	09/22/13	Shanghai Dow Chemical, Shanghai, China
184	10/01/13	Stanford Synchrotron Radiation Laboratory Annual Users' Meeting, Workshop on X-ray Spectroscopy for
		Chemical Catalysis, Palo Alto CA
185	10/16/13	Keynote lecture, Asian Polyolefin Symposium, Beijing, China
186	11/04/13	Symposium in Honor of the 2012 Wilhelm Winner, Nicholas Delgass, 2013 AIChE Annual Meeting, San
		Francisco CA
187	11/12/13	Department of Chemical Engineering, University of Michigan, Ann Arbor MI
188	11/12/13	Michigan Catalysis Society, Detroit, MI
189	11/21/13	Department of Chemical Engineering, The Ohio State University, Columbia OH
190	11/26/13	Department of Chemical and Petroleum Engineering, University of Kansas, Lawrence KS
191	12/12/13	Mike and Jean Steffenson Lecture, Department of Chemical and Biological Engineering, Iowa State

		University. Ames IA				
192	02/21/14	Department of Chemistry, Colorado School of Mines, Golden CO				
193	04/08/14	Wayne State University, Sustainability@Wayne Seminar Series, Detroit MI				
194	05/12/14	Kevnote Lecture: Canadian Society for Catalysis Annual meeting. Edmonton AR				
105	05/12/14	Keynote Lecture: Chicago Catalysis Club Spring Symposium, Chicago, II				
106	06/07/14	Keynote Lecture: Conday Desearch Seminar on Inorganic Chemistry, University of New England				
190	00/07/14	Biddeford, ME				
197	06/08/14	Gordon Research Conference on Inorganic Chemistry, University of New England, Biddeford, ME				
198	08/12/14	248 th ACS National Meeting, symposium on Separation Science and Technology as a Convergence				
		Platform for Sustainable Chemistry, Engineering and Materials (SusChEM), San Francisco CA				
199	08/13/14	248 th ACS National Meeting, symposium on Heterogeneous Catalysis for Environmental and Energy				
		Applications, San Francisco CA				
200	09/19/14	Pacific Coast Catalysis Society, SLAC National Accelerator Laboratory, Menlo Park CA				
201	09/04/14	Corporate Strategic Research Labs, ExxonMobil, Clinton NJ				
202	10/22/14	International Workshop on Catalytic Olefin Polymerization & High Performance Polyolefins, Shanghai,				
		China				
203	08/01/15	Environmental Molecular Sciences Laboratory, Pacific Northwest National Laboratory, Richland, WA				
204	12/01/15	Chicago Catalysis Club, Chicago IL				
205	01/21/15	Department of Chemistry, University of Texas, Austin TX				
206	02/08/15	Gordon Research Conference on Chemical Dynamics at Surfaces, Ventura CA				
207	02/26/15	Department of Chemical Engineering, Penn State University				
208	06/15/15	Keynote Lecture, North American Catalysis Society meeting, Pittsburgh PA				
209	09/17/15	Plenary Lecture, EMSL Integration Meeting: Energy Materials and Processes for Advanced Batteries and				
		Catalysis, Pacific Northwest National Laboratory, Richland WA				
210	09/24/15	Department of Chemical Engineering, University of Oklahoma				
211	11/27/15	Keynote Speaker, World Polyolefin Congress, Tokyo Japan				
212	12/08/15	Department of Chemical Engineering, Carnegie-Mellon University, Pittsburgh PA				
213	02/17/16	Catalysis Center for Energy Innovation, University of Delaware, Newark DE				
214	02/18/16	Philadelphia Catalysis Club, Philadelphia PA				
215	02/29/16	Department of Chemistry, Brigham Young University, Provo UT				
216	03/01/16	Department of Chemistry, University of Utah, Salt Lake City UT				
217	03/16/16	Symposium on Elucidation of Mechanisms and Kinetics on Surfaces, 251st ACS National Meeting, San				
		Diego CA				
218	06/13/16	Gordon Research Conference on Catalysis, New London NH				
219	06/24/16	Innovations and Perspectives in NMR and Molecular Transformations, ACalNet Workshop 2016, Aachen,				
		Germany				
220	06/29/16	Keynote Lecture, 4th Blue Sky Conference on Catalytic Olefin Polymerization, Sorrento, Italy				
221	07/04/16	Invited Lecture, 16 th International Congress on Catalysis, Beijing China				
222	07/10/16	Keynote Lecture, 16th ICC Post-symposium on Nano and Interfacial Catalysis, Dalian, China				
223	07/12/16	Keynote Lecture, 4 th Symposium on Frontiers of Catalysis and New Materials, Shaanxi Normal University,				
		Xi'an, China				
224	09/07/16	Unité de Catalyse et Chimie du Solide, Université de Lille 1 – Sciences et Technologies, Lille, France				
225	09/15/16	Laboratory of Chemistry, Catalysis, Polymers and Processes, CPE-Lyon, Lyon France				
226	10/13/16	Keynote Lecture, MANGAN Conference, Berlin, Germany				
227	11/06/16	Invited Lecture. 63rd Annual American Vacuum Society International Symposium. Nashville TN				
228	12/02/16	Department of Chemical Engineering, Texas Tech University, Lubbock, TX				
229	01/09/17	Department of Energy, Basic Energy Sciences, Catalysis Scoping Meeting: Assessing Future Opportunities				
		in Catalysis Science to Transform the Energy Landscape. Leesburg VA				
230	01/14/17	Plenary Lecture, Main Group Chemistry Symposium, UCLA, Los Angeles CA				
231	01/17/17	Invited Lecture, NSF Modular Manufacturing Workshop, Arlington VA				
232	01/29/17	Harvard/MIT Inorganic Chemistry Seminar Series, Departments of Chemistry, MIT and Harvard University,				
-		Boston MA				
233	02/07/17	Invited Lecture, 2 nd KAUST Research Conference on Polymers-Designing Macromolecules for Applications				
234	03/15/17	Department of Chemical Engineering, Georgia Tech. Atlanta GA				
235	04/02 /17	Symposium on "Synthesis of Catalysts by Non-traditional Methods". 253rd American Chemical Society				
		National Meeting, San Francisco CA				
236	04/02 /17	Keynote Lecture, Symposium on "Catalysis for Unconventional Energy Sources". 253rd American				
		Chemical Society National Meeting, San Francisco CA				

237	04/04/17	Symposium on "Support and Activator Effects on Metal-Mediated Polymerization", 253 rd American
		Chemical Society National Meeting, San Francisco CA
238	04/05/17	American Chemical Society National Meeting, San Francisco CA
239	04/19/17	Symposium on Novel Catalytic Materials for Energy and Environment, Materials Research Society Spring National Meeting, Phoenix, A7
240	04/28/17	Department of Chemical Engineering, Virginia Tech, Blacksburg VA
241	07/27/17	Plenary Lecture DOF RES Catalysis Science Pl meeting, Gaithersburg MD
2/2	08/04/17	Center for Catalysis and Surface Science, Northwestern University, Evanston II
2/2	00/04/17	Division of Chamical Sciences, Arganna National Laboratory, Arganna II
243	00/00/17	
244	00/10/17	UUP, Des Plaines IL
245	08/14/17	Irvine Materials Research Institute, University of California, Irvine CA
246	08/20/17	Symposium on "Mixed Metal Oxides", 254" ACS National Meeting, Washington, DC
247	08/20/17	Conversion", 254th ACS National Meeting, Washington, DC
248	08/21/17	Henry H. Storch Symposium in honor of Umit Ozkan, 254 th ACS National Meeting, Washington DC
249	08/21/17	Symposium on "Cooperative catalysis at surfaces and interfaces: impact on chemistry and energy frontiers", 254 th ACS National Meeting, Washington DC
250	09/01/17	Dalian University of Technology, Dalian China
251	09/04/17	Dalian University of Technology, Workshop on Heterogeneous Catalysis for Energy, Dalian China
252	09/16/17	Ford Chemistry Symposium, University of California, Santa Barbara CA
253	09/18/17	Pacific Coast Catalysis Society, University of California, Davis CA
254	09/07/17	Ipatieff Lecture, Sesquicentennial Ipatieff Symposium, Center for Catalysis and Surface Science Annual
		Symposium, Northwestern University
255	09/24/17	Advances in Polvolefins conference. Santa Rosa. CA
256	10/15/17	Grace Hopper Distinguished Lecture. University of Pennsylvania
257	10/24/17	Department of Chemistry & Biochemistry, Florida State University, Tallahassee FL
258	01/25/18	Department of Chemical and Biochemical Engineering, Rutgers University, Piscataway NJ
259	02/04/18	2018 Mesilla Chemistry Workshop on Interplay between Theory and Experiment in Nanocatalysis. Mesilla
200	02,01,10	NM
260	02/22/18	Department of Chemical and Riomolecular Engineering, University of Illinois, Urbana-Champaign II
261	03/08/18	Department of Chemistry Princeton University
262	03/19/18	Symposium for Beata Kilos, Early Career Fellow Award in Industrial & Engineering Chemistry, 255th ACS
262	02/21/10	National Meeting, Washington, DC
203	03/21/10	Symposium: Towards Comprehension of Scale up and Multiscale Modeling of Catalysis, 255th ACS
264	05/07/19	National Meeting, Washington, DC
264	05/07/18	ACS Catalysis Symposium, Chinese Chemical Society annual meeting, Hangzhou, China
205	05/08/18	Vergente Lecture, Canadian Surgenerium en Catalucia, Saclata en SK
200	05/10/18	Keynote Lecture, Canadian Symposium on Catalysis, Saskatoon SK
267	06/07/18	Catalysis, Budapest, Hungary
268	06/12/18	John van Geuns Lecture, Van't Hoff Institute for Molecular Science, University of Amsterdam
269	07/13/18	Department of Chemical Engineering, Dalian University of Technology, Dalian, China
270	07/18/18	2018 International Symposium on Catalysis between Lanzhou Institute of Chemical Physics and University of California, Lanzhou, China
271	07/28/18	Gordon Research Conference on Green Chemistry, Castelldefels, Spain
272	08/19/18	Symposium: Understanding Catalytic Sites on Amorphous and Disordered Materials, 256th ACS National
272	00/10/10	Meeting, Boston, MA
273	08/19/18	Symposium: Heterogeneous Catalyst Development for Biomass Upgrading, 256th ACS National Meeting, Boston. MA
274	09/06/18	Department of Chemical and Biomolecular Engineering, Johns Hopkins University. Baltimore. MD
275	09/10/18	10 th International Mesostructured Materials Symposium, UCLA, Los Angeles CA
276	00/10/10	
v	10/03/18	Symposium on "Pursuing a Fundamental Understanding of Electrochemical and Catalytic Processes using
0	10/03/18	Symposium on "Pursuing a Fundamental Understanding of Electrochemical and Catalytic Processes using Synchrotron Radiation Techniques", Advanced Light Source Users' Meeting, Lawrence Berkeley National
5	10/03/18	Symposium on "Pursuing a Fundamental Understanding of Electrochemical and Catalytic Processes using Synchrotron Radiation Techniques", Advanced Light Source Users' Meeting, Lawrence Berkeley National Laboratory, Berkeley CA
279	10/03/18	Symposium on "Pursuing a Fundamental Understanding of Electrochemical and Catalytic Processes using Synchrotron Radiation Techniques", Advanced Light Source Users' Meeting, Lawrence Berkeley National Laboratory, Berkeley CA Pfizer Global Research and Development, Groton CT
279 280	10/03/18 11/07/18 11/16/18	Symposium on "Pursuing a Fundamental Understanding of Electrochemical and Catalytic Processes using Synchrotron Radiation Techniques", Advanced Light Source Users' Meeting, Lawrence Berkeley National Laboratory, Berkeley CA Pfizer Global Research and Development, Groton CT Department of Chemical and Biomolecular Engineering, University of Houston

282	12/07/18	Max-Planck-Institut für Kohlenforschung, Mülheim, Germany				
283	12/10/18	Institut de sciences et d'ingénierie supramoléculaire, Université de Strasbourg, France				
284	01/11/19	Catalysis Forum (102 nd Lecture), State Key Laboratory of Catalysis, Dalian Institute of Chemical Physics,				
		Chinese Academy of Sciences, Dalian, China				
285	01/15/19	Distinguished Lecture Series, Department of Chemical Engineering and Material Science, University of				
		Southern California, Los Angeles CA				
286	03/10/19	Plenary Lecture, 4th North American Symposium on Chemical Reaction Engineering (NASCRE-4),				
		Houston, TX				
287	03/31/19	Award Symposium to honor Industrial & Engineering Chemistry (IEC) International Fellow R. Tom Baker.				
		257 th ACS National Meeting. Orlando FL				
288	03/31/19	Symposium "Through the Lens of Inorganic Chemistry: Understanding Heterogeneous Processes in				
		Energy Conversion and Storage", 257 th ACS National Meeting, Orlando Fl				
289	03/31/19	Symposium "Well-Defined Materials for Heterogeneous Catalysis: Synthesis, Characterization, and				
200	00,01,10	Performance Studies". 257 th ACS National Meeting. Orlando Fl				
290	03/31/19	Symposium "Activation of Light (C1-C4) Hydrocarbons: Theory & Experiments" 257th ACS National				
200	00/01/10	Meeting Orlando Fl				
291	04/19/19	Symposium on "Cooperative catalysis for energy and environmental applications" 2019 Materials				
231	04/13/13	Research Society Spring Meeting Phoenix Arizona				
202	05/02/10	LICLA Department of Chemical Engineering, Los Angeles CA				
202	05/03/13	National Academics Workshop, Closing the Lean on the Plactice Dilemma, Chamical Sciences				
293	03/03/13	National Academies Workshop: Closing the Loop on the Plastics Dilemina, Chemical Sciences				
		Roundtable of the Board on Chemical Sciences and Technology				
		"Adapting transition metal-based heterogeneous and homogeneous catalysts for polymer disassembly"				
294	05/17/19	Kurt Wohl Memorial Lecture, Department of Chemical and Biomolecular Engineering, University of				
		Delaware				
295	06/16/19	Gordon Research Conference on Clusters and Nanoparticles, Les Diablerets, Switzerland				
296	07/04/19	Plenary Lecture, 60th Anniversary Ceremony of the Institut de recherches sur la catalyse (IRCELYON),				
		Lyon, France				
297	07/14/19	Gordon Research Conference on Biomass to Biobased Chemicals and Materials,				
		Newry ME				
298	08/09/19	Pacific Coast Catalysis Society annual meeting, Pullman, WA				
299	08/12/19	SUNCAT Summer Institute 2019, Catalysis in an Evolving Energy Landscape				
300	08/26/19	Symposium "Inorganic Chemistry for Sustainable Energy and the Environment", inaugural symposium of				
		Sustainable Energy and the Environment (SEE) subdivision of Division of Inorganic Chemistry, 258th ACS				
		National Meeting, San Diego, CA				
301	08/28/19	Keynote Lecture, Symposium on Sustainable Biofuels and Bioproducts, 258th ACS National Meeting, San				
		Diego CA				
302	08/28/19	Symposium "Understanding the Role of Water in Solid Acid-Base Catalysis", Catalysis Division, 258 th ACS				
		National Meeting, San Diego				
303	10/03/19	Catalysis Research and the APS-U, Advanced Photon Source, Argonne National Laboratory				
304	10/22/19	Keynote Lecture, Strategic Planning Workshop, National Synchrotron Light Source-II, Brookhaven National				
		Laboratory				
305	10/20/19	Symposium "Addressing Challenges to Energy Production in the 21st Century", 66th Annual AVS Annual				
		Symposium, Columbus OH				
306	10/29/19	Boulder Scientific Distinguished Lecture, Colorado State University, Fort Collins, CO				
307	10/20/19	Symposium "Addressing Challenges to Energy Production in the 21st Century", 66th Annual AVS Annual				
		Symposium, Columbus OH				
308	11/06/19	Dow Chemical, Company Lake Jackson, TX				
309	11/07/19	Critical Issues in Energy Symposium Series, The Future of Plastics: Designed Sustainability or Recycling,				
		University of Houston Energy Initiative, Houston TX				
310	11/12/19	Corporate Strategic Research, ExxonMobil Research & Engineering, Annandale NJ				
311	12/21/20	Symposium on Ethanol Upgrading to Value-Added Chemicals, Dalian University of Technology, Dalian,				
		China				
313	12/02/19-	Eastman Lectures in Catalysis, UC Berkeley, Berkeley CA				
314	12/04/19	Eastman Lectures in Catalysis, UC Berkeley, Berkeley CA				
315	02/03/19	Department of Chemical Engineering, Stanford University				
316	03/17/20	AIChE CRE Webinar on Chemical Recycling of Waste Plastics				
317	04/26/20	Future of Plastics and Recyclable Plastics. Annual Meeting of the National Academy of Sciences				
		Washington DC (converted to virtual meeting)				

Patents:

2010	US Patent 7,754,789, Method for Forming Flame-retardant Clay-polyolefin Composites, Inventors S. Scott, B. Peoples, C.M. Yung, filed 10/6/2006, issued 7/13/2010, Also W0/2008/108790; EP2038343
2010	US Patent 7,772,299, Method for Forming Flame-retardant Clay-polyolefin Composites, Inventors S. Scott, B.
	Peoples, C.M. Yung, filed 7/22/2009, issued 8/10/2010
2010	US Patent 7,776,943, Method for Forming Exfoliated Clay-polyolefin Composites, Inventors S. Scott, B.
	Peoples, R. Rojas, A. Tanna, F. Shimizo, filed 6/12/2006, issued 8/17/2010. Also WO/2007/146263;
	EP2029668; CN101501121.
2012	US Patent 8,268,946, Clay Activation of Pd(II) and Ni(II) Complexes, Inventors S. L. Scott, M. A. Caipa
	Campos, issued 9/18/2012. Also WO/2009/155509; CN102066392; EP2303903.
2019	US Provisional Application 62/796,482, Catalytic Polymer Processing, Inventors M.D. Delferro, M.S. Ferrandon,
	K.R. Poeppelmeier, A.D. Sadow, S. Scott, A.M. Lapointe, filed 1/24/19.
2020	US Provisional Patent Application 63/052,227, Process for Upcycling of hydrocarbon polymers to
	alkylaromatics, Inventors F. Zhang, M. Zeng, M.M. Abu-Omar, S.L. Scott, filed 7/15/20

Special Appointments (since move to UC Santa Barbara, in 2003):

YEAR	POSITION	TYPE OF APPOINTMENT
2003-2006	Member	Editorial Board, Organic Reactions Catalysis Society
2006-2010	Co-director	UCSB PIRE program: Electron Chemistry and Catalysis at Interfaces
2010-present	Director	NSF Partnership in International Research and Education: Electron Chemistry and
·		Catalysis at Interfaces, UCSB
2008-2009	Member	Stanford Synchrotron Radiation Lightsource, Proposal Review Panel (Materials1)
2009-2012	Chair	Stanford Synchrotron Radiation Lightsource, Proposal Review Panel (Mat1)
2008-2012	Member	Editorial Advisory Board, Catalysis Communications
2009-2010	Member	Editorial Board, Organic Reactions Catalysis Society (responsible for special issue of <i>Topics in Catalysis</i>)
2009-2012	Member	International Advisory Council, Victoria Institute of Science and Technology, Kenya
2010-2012	Vice-President	Pacific Coast Catalysis Society
2010	Chair-elect	Organic Reactions Catalysis Society
2011	Member	Committee of Visitors, Catalysis Science portfolio of Chemical Sciences, Geosciences and
		Biosciences Division, Office of Basic Energy Sciences, US Department of Energy
2011-2015	Member	Joint Board-Council Committee on Publications, American Chemical Society
2012-2014	Chair	Organic Reactions Catalysis Society
2012-2013	Member	Editorial Advisory Board, ACS Catalysis
2012-2016	Member	International Advisory Board, ChemPlusChem
2012	Member	International Advisory Committee, Workshop on Applications of Environmental
		Transmission Electron Microscopy, Göttingen, Germany
2012	Member	Committee of Visitors, National Science Foundation, Chemical, Bioengineering,
		Environmental, and Transport (CBET) Division
2013-2017	Member-at-	Elected by Chemistry Section, American Association for the Advancement of Science
	Large	
2013-present	Assoc. Editor	ACS Catalysis
2013	Member	Committee of Visitors, Department of Energy, Basic Energy Sciences Advisory
		Committee, Energy Frontiers Research Centers
2013	Member	US Delegation, Chemical Sciences and Society Summit, "Efficient Utilization of Elements",
		Tokyo, Japan
2013-2014	Member	NSF Mathematical and Physical Sciences Advisory Committee, Subcommittee on Food
		Systems
2014-2020	Member	International Scientific Advisory Board (Fachbeirat), Fritz-Haber-Institute, Max-Planck-
		Society, Berlin Germany
2014	Member	Energy Materials and Processes Science Theme Advisory Panel, Environmental Molecular
		Sciences Laboratory, Pacific Northwest National Laboratory
2014	Member	Physical Sciences and Engineering Directorate Standing Review Board, Argonne National
		Laboratory
2014	Guest Editor	Special issue of <i>Topics in Catalysis</i> : Proceedings of 25 th Organic Reactions Catalysis

		Society meeting
2014-2018	Member	Advisory Board, Catalysis Center for Energy Innovation, University of Delaware
2014-2017	Member	NSERC Joint Prizes Selection Committee (John C. Polanyi Award, Brockhouse Canada
		Prize, Gerhard Herzberg Canada Gold Medal)
2014-2019	Member	Editorial Board, Chinese Journal of Catalysis
2015-2018	Member	Editorial Board, <i>Chem</i> (Cell Press)
2016-2020	Member	International Scientific Advisory Committee, Stanford Synchrotron Radiation Lightsource
2016-2020	Chair	Scientific Advisory Committee, Chemical Transformations Initiative, Pacific Northwest National Laboratory
2016-present	Member	Editorial Board, Reaction Kinetics, Mechanisms and Catalysis
2017	Chair	Spectroscopy Review Panel, Stanford Synchrotron Radiation Lightsource
2017	Co-Chair	DOE-BES Basic Research Needs in Catalysis Workshop
2017-present	Member	Scientific Advisory Committee, Ames Laboratory
2017-2021	Member	Board of Reviewing Editors, <i>Science</i>
2018	Vice-Chair	Gordon Conference on Catalysis
2018	Member	Technical Advisory Board, Institute for Interfacial Catalysis, Pacific Northwest National
		Laboratory
2018-	Member	Editorial Board, Journal of Catalysis
2018	Vice-Chair	Gordon Conference on Catalysis
2018	Member	ExxonMobil International Technical Advisory Panel on Heterogeneous Catalyst and Basic
		Chemicals, Intermediates and Synthetics Processes
2018-2021	Member	ACS National Award Selection Committee
2018-2021	Member	Department of Energy - Basic Energy Sciences (DOE-BES) Council for Chemical Sciences, Geosciences and Biosciences (CSGB)
2018-present	Member	Board of Directors, Joint BioEnergy Institute (JBEI, a DOE Bioenergy Research Center, led
		by UC Berkeley)
2018-present	Member	Bioenergy Technical Review Panel, National Renewable Energy Lab.
2018-2020	Program	International Congress on Catalysis, San Diego CA
	Committee	
2019-	Member	Science Advisory Board, SUNCAT Center for Interface Science and Catalysis, Stanford
		University and SLAC National Accelerator Laboratory
2020	Chair	Gordon Conference on Catalysis (postponed until 2022)
2019-	Member	International Advisory Board, International Symposium on Relations Between
		Homogeneous and Heterogeneous Catalysis (ISHHC)
2019	Member	Advisory Board of Discipline Assessment on Chemical Engineering, Dalian University of
		Technology, Dalian, China
2019-2021	Member	Editorial Board, <i>Reaction Chemistry & Engineering</i>
2020	Member	Committee of Visitors, Division of Chemistry, National Science Foundation
2021-2023	Member	ACS National Awards Committee

Other Professional Contributions:

YEAR	POSITION	TYPE OF CONTRIBUTION
2000-2012	Consultant	The Dow Chemical Company
2001-pres.	Member	Leaders' Opportunity Fund Advisory Committee, Canada Foundation for Innovation
2001-pres.	Member	College of Reviewers, Canada Research Chairs
2004-2007	Consultant	Nova Chemicals
2005	Member	Technical Advisory Board on Nanocomposite Materials, Mitsubishi Chemical Corporation
2005	Member	Technical Advisory Board on Advanced Motor Fuels, ExxonMobil
2006	Organizer	UCSB Summer School: Techniques of Catalysis and Surface Science
2006	Consultant	Clipper Windpower
2007	Organizer	US China Partnership Workshop on Heterogeneous Catalysis and Surface Science
2007	Member	Technical Advisory Board on Advanced Polyolefins, Mitsubishi Chemical Corporation
2007	Co-chair	Kokes Student Awards, 2009 North American Catalysis Society meeting
2007-2008	Organizer	CENTC 2008 Summer School: Organometallic Catalysis
2007-2008	Organizer	PIRE-ECCI/ICMR 2008 Summer Workshop: Grand Challenges for Catalysis
2008	Member	Technical Advisory Board on Advanced Polyolefins, Mitsubishi Chemical Corporation
2009	Co-chair	DOE/BES Catalysis Science Contractors' Meeting

2009	Co-organizer	2 nd US-China Partnership Workshop on Heterogeneous Catalysis and Surface Science
2011	Panel Member	Sustainable Chemistry Basic Research workshop, Board on Chemical Sciences and Technology, National Academy of Sciences, Washington DC
2011	Co-organizer	Workshop on Synchrotron Applications in Catalysis Chemistry, Stanford Synchrotron Radiation Lightsource, Annual Users' Meeting, Palo Alto, CA
2011	Co-organizer	PIRE-ECCI/IAMS Joint Workshop, Taipei, Taiwan
2011	Speaker	"Chemical Approaches to Sustainable Energy Production: A US-China collaboration in
	·	catalysis", video-recorded by NSF Office of Public and Legislative Affairs, and posted on NSF website.
2011	Contributor	Report of the NSF Catalytic Chemistry Workshop on Defining Critical Directions for the
		Future, "Molecular-level Understanding of Heterogeneous Catalysis",
		faculty.chemistry.harvard.edu/friend-lab/pages/reports
2011	Contributor	Sustainable Chemistry Basic Research Workshop, Board on Chemical Sciences and
		Technology, National Academy of Sciences, Washington DC, webcast and meeting
		recap available at <i>dels.nas.edu/global/bcst/SustainableChemistry</i>
2011	Contributor	Report of the Committee of Visitors, US Department of Energy, Office of Basic Energy
		Sciences
2012	Speaker	Symposium on <i>Science, Innovation, and Partnerships for Sustainability Solutions</i> , The National Academies, Washington, DC
		"Catalysis for Sustainable Energy Production: A US-China Partnership",
		video and slides posted online at sites.nationalacademies.org/PGA/sustainability/
0010	.	SustainabilitySymposium/PGA_069360.htm
2012	Speaker	Ensuring the Sustainability of Critical Materials and Alternatives: Addressing the
		Fundamental Challenges in Separation Science and Engineering, 244 th ACS National
		Meeting, Philadelphia PA. Recording and sildes available at www.sildeshare.net/ ChEnected/acs-symposium-findings-and-opportunities-from-the-2012-nsf-suschem- workshop
2012	Contributor	Report of the Committee of Visitors, National Science Foundation, Chemical,
		Bioengineering, Environmental, and Transport (CBET) Division
2012	Contributor	Report on Compact X-ray Lightsource at Pacific Northwest National Laboratory
2012	Organizer	NSF Joint CHE/CBET/DMR Workshop on Sustainable Chemistry
2012	Chair	NSF Joint CHE/CBET/DMR SusChEM Workshop (Sustainable Chemistry, Engineering and
		Materials)
2012	Co-organizer	Pacific Coast Catalysis Society Annual Meeting and Conference, Santa Barbara, CA
2012	Organizer	PIRE-ECCI/ICMR/DICP Summer School on Catalysis, Dalian, China
2012	Session Chair	NSF S-STEM PI meeting, Arlington VA
2012	Co-organizer	Pacific Coast Catalysis Society Annual Meeting and Conference, Santa Barbara
2012	Member	International Advisory Committee, Workshop on Applications of Environmental
	- ·	Transmission Electron Microscopy, Göttingen, Germany
2013	Organizer	Symposium on "Sustainable Chemical Manufacturing in a Resource-Limited World", AAAS Annual Meeting, Boston MA
2013	Member	Workshop on "Building Research Partnerships between Women Scientists and Engineers
		in the US and Brazil", sponsored by the US State Department, the US National Science Foundation and Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, Boston
2012	Mambar	MA Scientific Committee 2 nd International Congress on Catalysis for Pierofinaries Dalian
2013	мениреі	China
2013	Organizer	CTINE Public Lecture: Carl Wieman, "Taking a Scientific Approach to Science and
2013	organizer	Engineering Education"
2014	Organizer	CTPSE Public Lecture: Fric Mazur, "Assessment: The Silent Killer of Learning"
2014	Chair	25 th Organic Reactions Catalysis Society Riannual Conference, Tucson, AZ
2014	Member	International Advisory Committee, International Workshop on Catalytic Olefin
_ • · ·		Polymerization & High Performance Polyolefins. Shanghai. China
2014	Member	Comité scientifique, Congrès Franco-Marocain de Catalyse Hétérogène
2014	Member	DOE-BER Workshop on Bioenergy
2014	Organizer	Sustainable Chemical Technologies Summit (SusTech 2014), UC Santa Barbara
2014	Member	International Advisory Committee, International Workshop on Catalytic Olefin
		Polymerization and High Performance Polyolefins (Shanghai, China)

2014-pres.	Member	Aachen-California Network of Academic Exchange (ACalNet)
2014	Member	International Scientific Committee, International Conference on Advanced Materials
		(ICAM-2015, Irbid, Jordan)
2014-2015	Member	Organizing Committee, World Polyolefin Congress (WPOC2015), Tokyo, Japan
2015	Co-organizer	Sustainable Science Communication Conference LIC Santa Barbara
2015	Co-chair	DOE BES Catalysis PI Meeting Annanolis MD
2015	Co-chail Mombor	Scientific Committee, 2 rd International Congress on Catalysis for Pierofinarias. Die De
2015	Member	Sciencine Continuitie, S ^{re} international Congress on Catalysis for Diorennenes, Rio De
0015		Janeiro, Brazil
2015	Member	Science Theme Advisory Panel on Energy Materials and Processes, Environmental
		Molecular Sciences Laboratory, Pacific Northwest National Laboratory
2015	Member	International Scientific Committee, Catalysis Applied to Fine Chemicals (CAFC-11, Lyon
		France)
2016	Organizer	Symposium on Amorphous Catalytic Materials, 251 st ACS National Meeting, San Diego
2016	Co-organizer	Symposium on Elucidation of Mechanisms and Kinetics on Surfaces, 251 st ACS National
	0	Meeting, San Diego, CA
2016	Member	Science Theme Advisory Panel on Energy Materials and Processes. Environmental
		Molecular Sciences Laboratory Pacific Northwest National Laboratory
2016	Reviewer	National Academies of Sciences Engineering, and Medicine's Board on Chemical
2010	NEVIEWEI	Sciences and Technology workshop report. The Changing Landscope of Hydrocerbon
		Sciences and rechnology workshop report, the changing Landscape of Hydrocarbon
		Feedstocks for Chemical Production: Implications for Catalysis
2016-2017	Co-Chair	Catalysis Division, 253 rd ACS National Meeting, San Francisco CA
2017	Organizer	Symposium on Catalytic transformation of lignocellulosic biomass to chemicals, 253 rd
		ACS National Meeting, San Diego, CA
2017	Organizer	Symposium on Amorphous Catalytic Materials, 253 rd ACS National Meeting, San Diego,
		CA
2017	Co-organizer	Symposium on Elucidation of Mechanisms and Kinetics on Surfaces, 253 rd ACS National
	0	Meeting, San Diego, CA
2017	Organizer	Mellichamp-ACalNet Joint Workshop on Sustainable Chemistry, UC Santa Barbara
2017	Co-organizer	Mellichamp-Rupe Joint Workshop on Science Communication and Uncertainty UC Santa
LOTT	co organizer	Barbara
2017	Discussion	Cardan Recearch Conference on Inerganic Reaction Mechanisms, Calveston TV
2017	Discussion	Gordon Research Contenence on morganic Reaction Mechanisms, Gaiveston TX
2010		New Techniques and Applications of Memoria Decements in Unterscore Cetchesia
2018	Co-organizer	New Techniques and Applications of Magnetic Resonance in Heterogeneous Catalysis,
		ACS National Meeting, New Orleans
2018	Co-organizer	Cal-Cat-Net planning workshop, UC Santa Barbara
2018	Discussion	Gordon Research Conference "Catalysis", New London NH
	Leader	
2018	Co-organizer	China-US Forum on Electron Chemistry and Catalysis with Applications to Energy
		Conservation, Beijing and Lanzhou
2018	Co-lead	DOE-BES Basic Research Needs in Catalysis Workshop Brochure and Full Report
		(https://science.energy.gov/bes/community-resources/reports/)
2019	Co-organizer	Symposium on Elucidating the Roles of Electric Eields in Catalysis, ACS National
2013	oo organizer	Meeting Orlando
2010	Papal load	DOE RES Polymor Uncycling Poundtable
2013	Pariel leau	DOE-DES Polymer opcyching Roundlable RES Doundtable Workshap on Dokumer Unevaling, DOE RES Catalysis Di maating
07725719	Panelist	BES Roundtable workshop on Polymer Opcycling, DOE-BES Catalysis PI meeting,
07/00/40	.	Washington, DC
07/26/19	Session chair	DOE-BES Catalysis PI meeting, Washington, DC
08/13/19	Panel member	Women in Catalysis, SUNCAT Summer Institute 2019: Catalysis in an Evolving Energy
		Landscape, Stanford University, Palo Alto CA
2020	Co-organizer	Symposium on Catalytic Conversion of Polymers: Upcycling to Useful Chemicals, Fuels,
		and Materials, 259 th ACS National Meeting, Philadelphia PA
2020	Co-organizer	Symposium: Towards Comprehension of Scaleup and Multiscale Modeling of Catalysts.
		260 th ACS National Meeting, San Francisco CA
2020	Co-organizer	Pacifichem 2020 Congress Symposium on Supported Single-Ion Catalysts Waikiki HI
2020	Co-organizer	Pacifichem 2020 Congress, Symposium on Triangle of Heterogeneous Catalysis
2020	So organizer	Surface Science and Theory Waikiki UI
2020	Calabair	Junate Julente, and Theory, Walkiki II
2020	Co-chair	DUE-DES USUB COUNCIL WORKSHOP ON Synergy between Reactions and Separations,
		Gaimerspurg MD

SERVICE

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University Service (since move to UC Santa Barbara, in 2003):

YEAR	POSITION	TYPE OF SERVICE
2004-2006	Member	Executive Committee. College of Engineering
2004-2006	Member	Merits and Promotions Committee. Chemical Engineering
2004-2006	Member	COE/MI PS Diversity Committee
2005	Member	Chem Engr Undergraduate Laboratory Committee
2005	Chair	Academic Senate Ad Hoc Committee
2005	Coordinator	Spring seminar series. Chemical Engineering Departmental Seminar
2005-2006	Member	Chem Engr Eaculty Search Committee
2006-2010	Co-director	Partnership for International Research and Education (NISE) – Electron Chemistry
2000-2010		and Catalysis at Interfaces
2006	Speaker	College of Engineering International Advisory Roard Meeting
10/6/06		ChE 1 A Engineering and the Scientific Method
2006-2007	Chair	ChE Undergraduate Affairs Committee
2006-2007	Member	Organizing Committee Emerging Energy Technologies Summit Technology
2000-2007	Member	Management Program
2007	Mombor	Academic Senate Ad Hoc Committee
2007 2009	Member	Craduate Affaire Committee Chemical Engineering
2007-2006	Member	Diversity Committee, Chemical Engineering
2007	Member	Creducto Student Componention Committee, Chemistry & Dischemistry
2007	Member Foculty odvicer	Graduate Student Compensation Committee, Chemistry & Biochemistry
2008 2011		Department of Chemical Engineering (Creducto Affaire)
2006-2011	Vice-Chair Crod Advisor	Department of Chemical Engineering (Graduate Arraits)
2000 2010	Grad Advisor	Creativete Administra Committee
2006-2010	Criair	Graduate Admissions Committee
10/20/08	Facilitator	Ocs Postdoc Society, workshop on CV Preparation
2008-	Faculty advisor	UCSB Creducts Outreach and Advancement Committee (COAC)
2008	nember	Chamical Engine gring FIPE up (UC ACED divergity initiative)
2009-2010	Lead	Chemical Engineering Fike-up (UC AGEP diversity initiative)
2009-2010	Faculty advisor	Society for women Engineers (student club)
2009-2010	Member	Ad noc committee, Chemistry (tenure case)
11/22/00	Organizer	Society of Postdoctoral Scholars, workshop on Research Collaborations
11/23/09	Lecturer	CHE TA, Lecture on Catalysis
2010-present	Director	Partnership for international Research and Education (NSF) – Electron Chemistry
2010	Mombor	and Catalysis at Interfaces
2010	Member	Committee on Excellence in Graduate Education
2010 2012	Speaker	SPO-sponsored DOE-BES proposal-writing workshop
2010-2012	Member	Advisory Board, Technology Management Program, UCSB
10/08/2010	Lecturer	CHE TA, Lecture on Catalysis
2010-2011	Member	Graduate Affairs Committee, Dept of Chemengr
12/01/10	Panelist	Society of Postdoctoral Scholars, workshop on work-Life Balance
19/05/11	Member	Academic Senate Ad Hoc Committee
08/12/11	Speaker	DUE-BES proposal-writing workshop
09/01/11	Member	Office of Research On-Campus Proposal Review Panel
2011-2012	Member	College of Engineering Executive Committee
2011-2012	Member	Che Undergraduate Affairs Committee
2011-2012	Member	Che Undergraduate Laboratory Committee
01/09/12	Member	Keu Team Keview Panel (STC Proposal), UTTICE OF Kesearch
2012	Co-organizer	Society of Postdoctoral Scholars, workshop on Negotiations
2012	Director	ESTEEM Scholars Program for First-Generation Engineering Students
2012	Member	Advisory Committee, Academic Research Consortium (ARC), UCSB Graduate
04/00/10	C 1	
04/26/12	Speaker	University of California System-wide Califeach program
05/10/12	Speaker	UC-wide Science and Mathematics Institute (SMI) annual workshop
10/05/12	Panelist	Bren Eco-entrepreneurship Panel "Reducing Chemical Impacts in the Environment"

10/05/12	Panelist	STC Mock NSF Site Visit Red-Team Review Team
2012-2015	Co-director	Center for Sustainable Use of Renewable Feedstocks (CenSURF), an NSF Phase I
		Center for Chemical for Innovation
2012-present	Co-director	CalTeach: Physical Sciences and Engineering, an NSF Noyce Teacher Scholarships
		Program
2012-2014	Chair	ABET Committee, Dept of Chemical Engineering
2012-2014	Member	WASC Committee on Graduate Education
10/22/12	Member	NSF CBET CAREER Proposal Review Panel
10/23/12	Member	NSF CBET Unsolicited Proposal Review Panel
10/29/12	Lecturer	CHE 1A, Lecture on Catalysis
11/16/12	Member	Office of Research Red Team Proposal Review
2012-2015	Member	Academic Senate Sustainability Working Group
02/07/13	Lecturer	PHYS/ECE 121A The Practice of Science "Networking and Collaborating: An
02/01/10	20000101	Expansive Scientific Sphere"
02/19/13	Organizer	Inaugural CTPSE Public Lecture: Carl Wieman "Taking a Scientific Approach to
02/13/13	organizer	Science and Engineering Education"
02/26/12	Organizor	"Caragers in Science Education" namel discussion for LICSP students
02/20/13	organizer, modorator	Careers in Science Education, panel discussion for OCSB students
2012	Mombor	Search committee Chemical Engineering MSO position
2013 2014	Member	Search Committee, Chemical Engineering MSO position
2013-2014	Member	Search Committee, New inorganic Chemistry Faculty position
2013	Chair	Department of Chemistry & Biochemistry Ad Hoc Personnel Committee
10/2013	Member	Office of Research Red Team Proposal Review Panel
2013	Member	Inorganic Chemistry Faculty Search Committee
2013	Member	Search committee, Chemical Engineering Laboratory Manager
02/06/14	Lecturer	PHYS/ECE 121A, The Practice of Science, "Science Collaboration"
2014, 2015	Member	Search Advisory Committee, Dean of the Gevirtz Graduate School of Education
2014, 2015	Speaker	UCSB Prowess (Proposal Writing) Workshop, Research Development
2013-2014	Lead PI	UCSB Assessment Grant: Assessment of Technical Writing Skills Acquisition in
		Chemical Engineering
2014-2015	Co-Pl	UCSB Assessment Grant: Assessing the Integration of Technical Writing Instruction
		in Upper Division Chemical Engineering Coursework
2014-2015	Co-Pl	UCSB Assessment Grant: Assessment of Professional and Ethical Responsibility
		Learning Outcomes in the Engineering Curricula
2014-2016	Chair	Search committee, Mellichamp Chair in Sustainable Manufacturing (Chemical
		Engineering
2014-2016	Member	Search committee, Mellichamp Chair in Economics of Sustainable Technologies
		(Bren School)
2014-2016	Member	Search committee, Mellichamp Chair in Green Chemistry (Chemistry &
		Biochemistry)
2015-2016	Member	ABET Committee. Department of Chemical Engineering
2015-2016	Member	Graduate Affairs Committee, Department of Chemical Engineering
05/07/2015	Lecturer	PHYS/ECE 121A. The Practice of Science. "Science Collaboration"
2014-2016	Member	Chancellor's Advisory Committee on the Status of Women
03/29/2015	Sneaker	LICSB College of Engineering Corporate Affiliates Board Meeting
03/23/2013	opeaker	"Enhanced Support Training and Experiences for Engineering Majors (ESTEEM)"
05/13/2015	Speaker	LICSB MI PS Dean's Cabinet meeting
03/13/2013	эрсаксі	"Mellichamp Academic Initiative in Sustainability"
2015 16 17	Member	Academic Senate Committee on Eaculty Crants
2013, 10, 17	Member	DROWEES Eaculty Danal Desearch Development
2014 2015		LICED Approximate Cronty Approximation of Technical Writing Instruction
2014-2015	C0-PI	in Upper Division Chemical Engineering Coursework
2014 2015		In Opper Division Chemical Engineering Coursework
2014-2015	CO-PI	UCSB Assessment Grant: Assessment of Professional and Ethical Responsibility
2014 2017	Ob a in	Learning Outcomes in the Engineering Curricula
2014-2017	Chair	Search committee, Mellichamp Chair in Sustainable Manufacturing (Department of
0014 0010	., ,	Chemical Engineering)
2014-2016	Member	Search committee, Mellichamp Chair in Economics of Sustainable Technologies
	o	(Bren School)
2014-2016	Co-chair	Search committee, Mellichamp Chair in Green Chemistry (Department of Chemistry

		& Biochemistry)
2015-2016	Member	ABET Committee. Department of Chemical Engineering
2015-2016	Member	Graduate Affairs Committee. Department of Chemical Engineering
2016-2017	Chair	Ad Hoc Committee, Merits & Promotions, Department of Chemistry & Biochemistry
2016-2017	Member	Junior Faculty Search Committee, Department of Chemical Engineering
2016-2017	Member	Undergraduate Affairs Committee/ABET Committee Department of Chemical
2010 2011	Member	Engineering
2016-2017	Member	Eaculty Executive Committee, College of Engineering
2015-2016	Member	Campus Story Advisory Panel, Office of Public Affairs and Communications
05/04/2016	Lecturer	DHYS/FCF 121A The Practice of Science "Science Collaboration"
2016_present	Eaculty Advisor	Dhi Sigma Dha. Sararity for Women in Engineering
2016-2017	Chair	Ad Hoc Committee Merits & Promotions Department of Chemistry & Biochemistry
2016-2017	Member	Liniversity of California Academic Council Special Committee on Lab Issues
2010-2019	Member	(ACSCOLI)
2016-2020	Director	Enhancing Success in Transfer Education for Engineering Majors (ESTEEM), 5-
		campus collaborative program (with Santa Barbara City College, Ventura College,
		Oxnard College, Alan Hancock College)
11/22/2016	Lecturer	INT 95 (UCSB Academic Initiative Course for UCSB Promise Scholars) "Modern
		Research University"
11/01/2016	Faculty host	UCSB Academic Initiative Faculty Night "Black Lives Matter vs. All Lives Matter"
		(nominated by students)
02/22/2017	Faculty host	UCSB Academic Initiative Faculty Night "Genetic Modification is the New Reality"
		(nominated by students)
03/12/2017	Panel member	Professional Development Series for Graduate Students and Postdocs "Writing"
05/17/2017	Lecturer	PHYS/ECE 121A (The Practice of Science), "Science Collaboration"
02/27/2018	Lecturer	INT 95 (UCSB Academic Initiative Course for UCSB Promise Scholars) "Modern
		Research University"
2017-present	Member	UCSB MESA Advisory Board
05/16/2018	Lecturer	PHYS 16 (The Practice of Science), "Science Collaboration"
05/16/2018	Faculty host	UCSB Academic Initiative Faculty Night "Agree to Disagree: An Uncensored
		Discussion on Civil Discourse" (nominated by students)
07/23/2018	Panel member	PROWESS grantwriting workshop, Research Development
2018	Member	Academic Senate <i>ad hoc</i> committee
2018	*Member	Institute for Terahertz Science and Technology Advisory Committee
2019	Lecturer	PHYS/ECE 121A (The Practice of Science), "Science Collaboration"
2018-2020	Member	Undergraduate Affairs Committee, Dept of Chemical Engineering
2018-2020	Member	ABET Committee, Dept of Chemical Engineering
2019-2020	Member	Faculty Search Committee, Dept of Chemical Engineering
2019-2020	Member	Ad hoc Merits & Promotion Committee, Dept of Chemistry
2019	Member	CNSI Challenge Grants Review Panel
2020	Member	Ad Hoc Committee on Academic Integrity Software
2020	Member	Academic Senate Executive Director Search Committee
2020	Member	UC MEXUS-CONACYT review committee
2020	Member	ESB Building Research Ramp-up Committee
2020	Member	University Fall Contingency Planning Committee
2020	Member	University COVID-19 Task Force
2020	Member	University Research Planning Committee
2020-2022	Chair	Academic Senate, University of California, Santa Barbara Division

Public Service (since 2003):

YEAR	POSITION	TYPE OF SERVICE
2005	Member	Science Fair Organizing Committee, Goleta Family School
2006-present	Demonstrator	Weekly math and science instruction/demonstrations, Goleta Family School and
		Kellogg Elementary School
2006-2007	Supervisor	Research experience for high school student, Marissa Jaffe
2009-2010	Project leader	One Laptop Per Child Pilot Project, Kellogg Elementary School

Cumulative List of Publications:

#	YEAR	TITLE and AUTHORS	PUBLISHER	CATEGORY
1	1988	"Electron Affinities of Benzo-, Naptho- and Anthraquinones Determined from Gas-Phase Equilibria Measurements", T. Heinis, S. Chowdhury, S.L. Scott and P. Kebarle	<i>J. Am. Chem. Soc.</i> 110 , 400-407	Journal Paper
2	1989	"Effect of Steric Crowding on the Rates of Reactions of a Nickel(I) Tetraaza Macrocycle with Organic Halides and Hydroperoxides" N. Sadler, S.L. Scott, A. Bakac, J.H. Espenson and M.S. Ram	<i>lnorg. Chem.</i> 28 , 3951-3954	Journal Paper
3	1991	"Preparation and Reactivity of the Aquachromium(IV) Ion" S.L. Scott, A. Bakac and J.H. Espenson	<i>J. Am. Chem. Soc.</i> 113, 7787-7788	Journal Paper
4	1991	"Catalytic Oxidation of the Hydroxymethyl)chromium(III) by the Superoxochromium(III) Ion" S.L. Scott, A. Bakac and J.H. Espenson	<i>Inorg. Chem.</i> 30 , 4112-4117	Journal Paper
5	1992	"Oxidation of Alcohols, Aldehydes and Carboxylates by the Aquachromium(IV) Ion" S.L. Scott, A. Bakac and J.H. Espenson	<i>J. Am. Chem. Soc.</i> 114, 4205-4213	Journal Paper
6	1992	"Preparation and Reactivity of a Cationic Dichromium-Semiquinone Complex" S.L. Scott, A. Bakac and J.H. Espenson	<i>J. Am. Chem. Soc</i> 114 , 4605-4610	Journal Paper
7	1993	"Spectroscopic Parameters, Electrode Potentials, Acid Ionization Constants, and Electron Exchange Rates of the 2,2´-Azinobis(3- ethylbenzothioazoline-6-sulphonate) Radicals and Ions" S.L. Scott, WJ. Chen, A. Bakac and J.H. Espenson	<i>J. Phys. Chem.,</i> 97 , 6710-6714	Journal Paper
8	1993	"Reactivity of 17-Electron Organometallic Tungsten and Molybdenum Radicals: A Laser Flash Photolysis Study" S.L. Scott, J.H. Espenson and Z. Zhu	<i>J. Am. Chem. Soc.</i> 115, 1789-1797	Journal Paper
9	1993	"Photochemical Generation of $[Rh(dmgH)_2PPh_3]_2$ from $[CpW(CO)_3]_2$ and XRh(dmgH)_2PPh ₃ (X = Cl, Br) with Intermediate 17-Electron Tungsten and Rhodium Radicals" S.L. Scott, J.H. Espenson and A. Bakac	<i>Organometallics</i> 12 , 1044-1047	Journal Paper
10	1993	"Electron-Transfer Reactions of 17-Electron and 19-Electron Organometallic Radicals, CpW(CO) ₃ and CpW(CO) ₃ PPh ₃ " S.L. Scott, J.H. Espenson and WJ. Chen	<i>Organometallics</i> 12 , 4077-4084	Journal Paper
11	1993	"Organometallic Chemistry as a Basis for Understanding Heterogeneous Catalysis" JM. Basset, S.L. Scott, A. Choplin, M. Leconte, F. Quignard, C. Santini, and A. Théolier	<i>Proc. NATO Adv.</i> <i>Wkshp "Elementary</i> <i>Reaction Steps in</i> <i>Heterogeneous</i> <i>Catalysis"</i> , Kluwer, pp. 39-49	Conference
12	1994	"Stoichiometric and Catalytic Reactivity of Organometallic Fragments Supported on Inorganic Oxides" S.L. Scott and JM. Basset	<i>J. Mol. Catal.</i> 86 , 5-22	Journal Paper

#	YEAR	TITLE and AUTHORS	PUBLISHER	CATEGORY
13	1994	"Surface Organometallic Chemistry on Oxides: Reaction of Carbon Monoxide with Bis(allyl)rhodium Grafted onto Silica, Titania and Alumina" P. Dufour, S.L. Scott, C.C. Santini, F. Lefebvre and JM. Basset	<i>Inorg. Chem.</i> 33 , 2509-2517	Journal Paper
14	1994	"Surface-Mediated Organometallic Synthesis of [=SiO ⁻][H ₂ Rh(PMe ₃) ₄ ⁺]: The First Example of a Cationic Organometallic Complex Attached to the Silica Surface by Ion Pairing" S.L. Scott, P. Dufour, C.C. Santini and JM. Basset	<i>J. Chem. Soc., Chem. Commun.</i> 2011-2012	Journal Paper
15	1994	"Coordination Chemistry on Surfaces: A New Method to Graft Rhenium(VII) Oxide on Highly Dehydroxylated Oxides" S.L. Scott and JM. Basset	<i>J. Am. Chem. Soc.</i> 116 , 12069- 12070	Journal Paper
16	1994	"Surface Organometallic Chemistry: A Molecular Approach to Heterogeneous Catalysis" S.L. Scott, JM. Basset, G.P. Niccolai, C.C. Santini, JP. Candy, C. Lecuyer, F. Quignard and A. Choplin	<i>New J. Chem.</i> 18 , 115-122	Journal Paper
17	1995	"Interaction of Chromium(II) Complexes with Molecular Oxygen: Spectroscopic and Kinetic Evidence for η ¹ -Superoxo Complex Formation" A. Bakac, S.L. Scott, J.H. Espenson and K.R. Rodgers	<i>J. Am. Chem. Soc.</i> 117, 6483-6488	Journal Paper
18	1995	"Supramolecular Approach to Metal-Support Interactions: Formation and Decarbonylation of Allyl Alcohol by an Oxide-Supported (σ - allyl)rhodium(III) Complex" S.L. Scott, C. Crippen, C.C. Santini and JM. Basset	<i>J. Chem. Soc., Chem. Commun.</i> 1875-1876	Journal Paper
19	1995	"Kinetics of the Reaction of Chromium(II) with Ethyliodoacetate and lodoacetatopentaamminecobalt(III)" A.D. Jordan, S.L. Scott and R.B. Jordan	<i>lnorg. Chim. Acta</i> 239 , 99-106	Journal Paper
20	1996	"Surface Organometallic Chemistry on Oxides: Reaction of Trimethylphosphine with Bis(allyl)rhodium Grafted onto Silica"	<i>Inorg. Chem.</i> 35 , 869-875	Journal Paper
21	1996	"Supramolecular Approach to Metal-Support Interactions: Reactivity of Silica-Supported Bis(allyl)rhodium(III) and the Influence of Surface Hydroxyl Groups" C.C. Santini, S.L. Scott and JM. Basset	<i>J. Mol. Catal A: Chem.</i> 107 , 263-271	Journal Paper
22	1997	"Characterization of Silica-supported Vanadium(V) Complexes Derived from Molecular Precursors and Their Ligand Exchange Reactions" G.L. Rice and S.L. Scott	<i>Langmuir</i> 13 , 1545-1551	Journal Paper
23	1997	"Reactions of Tetraalkylchromium(IV) with Silica: Mechanism of Grafting and Characterization of Surface Organometallic Complexes" J. Amor Nait Ajjou and S.L. Scott	<i>Organometallics</i> 1 6 , 86-92	Journal Paper
24	1997	"Site-specific Oxygen-18 Labelling of Silica-supported Vanadium(V) Complexes: Implications for Oxidation Catalysis" G.L. Rice and S.L. Scott	<i>J. Mol. Catal A: Chem.</i> 125 , 73-79	Journal Paper
25	1998	"Nonhydrolytic Surface Synthesis of a Heterobimetallic V-Ti Alkoxide Complex on Silica"	<i>Chem. Mater.</i> 1 0 , 620-625	Journal Paper

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21	1996	"Supramolecular Approach to Metal-Support Interactions: Reactivity of Silica-Supported Bis(allyl)rhodium(III) and the Influence of Surface Hydroxyl Groups" C.C. Santini, S.L. Scott and JM. Basset	<i>J. Mol. Catal A:</i> <i>Chem.</i> 107 , 263-271	Journal Paper
22	1997	"Characterization of Silica-supported Vanadium(V) Complexes Derived from Molecular Precursors and Their Ligand Exchange Reactions" G.L. Rice and S.L. Scott	<i>Langmuir</i> 13 , 1545-1551	Journal Paper
23	1997	"Reactions of Tetraalkylchromium(IV) with Silica: Mechanism of Grafting and Characterization of Surface Organometallic Complexes" J. Amor Nait Ajjou and S.L. Scott	<i>Organometallics</i> 16 , 86-92	Journal Paper
24	1997	"Site-specific Oxygen-18 Labelling of Silica-supported Vanadium(V) Complexes: Implications for Oxidation Catalysis" G.L. Rice and S.L. Scott	<i>J. Mol. Catal A:</i> <i>Chem.</i> 125 , 73-79	Journal Paper
25	1998	"Nonhydrolytic Surface Synthesis of a Heterobimetallic V-Ti Alkoxide Complex on Silica" G.L. Rice and S.L. Scott	<i>Chem. Mater.</i> 10 , 620-625	Journal Paper
26	1998	"Synthesis and Characterization of Silica-Stabilized Chromium(IV) Alkylidene Complexes" J. Amor Nait Ajjou, S.L. Scott and V. Paquet	<i>J. Am. Chem. Soc.</i> 120, 415-416	Journal Paper
27	1998	"Ligand Exchange and Oxidative Addition on a Silica-Supported Rhodium Complex, <i>trans-</i> [(=SiO)Rh(PMe ₃) ₂ (CO)]" S.L. Scott, M. Szpakowicz, A. Mills and C.C. Santini	<i>J. Am. Chem. Soc.</i> 120 , 1883-1890	Journal Paper
28	1998	"Kinetics and Mechanisms of Thermally Induced Alkane Eliminations from Silica-supported Bis(alkyl)chromium(IV) and -vanadium(IV) Complexes" J. Amor Nait Ajjou, G.L. Rice and S.L. Scott	<i>J. Am. Chem. Soc.</i> 120 ,13436- 13443	Journal Paper
29	1999	"Mono- and Dinuclear Silica-Supported Titanium(IV) Complexes and the Effect of TiOTi Connectivity on Reactivity" A.O. Bouh, G.L. Rice and S.L. Scott	<i>J. Am. Chem. Soc.</i> 121 , 7201-7210	Journal Paper
30	2000	"Reduction of the Aqueous Mercuric Ion by Sulfite: UV Spectrum of HgSO $_3$ and Its Intramolecular Redox Reaction" L. Van Loon, E. Mader and S.L. Scott	<i>J. Phys. Chem. A</i> 104 ,1621-1626	Journal Paper
31	2000	"Modification of Silica Surfaces by Metallasiloxanes Containing Mo and Ti: Evidence for Concurrent Metal and Ligand Chemisorption" C. Roveda, T.L. Church, H. Alper and S.L. Scott	<i>Chem. Mater.</i> 12 , 857-862	Journal Paper
32	2000	"A Kinetic Study of Ethylene and 1-Hexene Homo- and Copolymerization Catalyzed by a Silica- Supported Cr(IV) Complex: Evidence for Propagation by a Migratory Insertion Mechanism" J. Amor Nait Ajjou and S.L. Scott	<i>J. Am. Chem. Soc.</i> 122 , 8968-8976	Journal Paper
33	2001	"Reaction of NiBr ₂ (DME) with 2-pyridinal-methyl-N-2,6- diisopropylphenylimine. The First Crystal Structure of an α -Diimine Nickel(II) Complex of the NiL ₂ X ₂ Type" F. Li, G.P.A. Yap, S.L. Scott and S.I. Woo	<i>Trans. Met. Chem.</i> 26 , 271-275	Journal Paper

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34	2001	"Spontaneous Evolution of Silica-Supported Ti Amide Fragments to Imine and Imido Complexes" M. Beaudoin and S.L. Scott	<i>Organometallics</i> 20 , 237-239	Journal Paper
35	2001	"Surface Organometallic Investigation of the Mechanism of Ethylene Polymerization by Silica-supported Cr Catalysts" S.L. Scott and J. Amor Nait Ajjou	<i>Chem. Eng. Sci.</i> 56 , 4155-4168	Journal Paper
36	2001	"Sulfite Stabilization and Reduction of the Aqueous Mercuric Ion: Kinetic Determination of Sequential Formation Constants" L.L. Van Loon, E.A. Mader and S.L. Scott	<i>J. Phys. Chem. A</i> 105, 3190-3195	Journal Paper
37	2001	"Preparation of New Catalysts by the Immobilization of Palladium(II) Species onto Silica: An Investigation of Their Catalytic Activity for the Cyclization of Aminoalkynes" M.K. Richmond, S.L. Scott and H. Alper	<i>J. Am. Chem. Soc.</i> 123 , 10521- 10525	Journal Paper
38	2002	"Silica-supported Alkylidene Complexes: Their Preparation, Characterization and Reactivity, Especially towards Olefins" M.C. Beaudoin, O. Womiloju, A. Fu, J. Amor Nait Ajjou, G.L. Rice and S.L. Scott	<i>J. Mol. Catal. A:</i> <i>Chem.,</i> 190 , 159- 169	Journal Paper
39	2002	"Preparation of Dinuclear Phosphine-bridged Palladium(II) Species and their Silica-Bound Analogues as Catalysts for the Cyclization of Aminoalkynes" M.K. Richmond, S.L. Scott, G.P.A. Yap, and H. Alper	<i>Organometallics,</i> 21 , 3395-3400	Journal Paper
40	2002	"Thermolysis of Silica-supported Bis(neopentyl) Complexes of Titanium and Zirconium" T. Alladin, M.C. Beaudoin and S.L. Scott (Schrock special issue)	<i>Inorg. Chim. Acta</i> 345 , 292-298	Journal Paper
41	2002	"Kinetics and Mechanism of Nitrite Oxidation by HOBr/BrO ⁻ in Atmospheric Water and Comparison with Oxidation by HOCI/CIO ⁻ " N. Lahoutifard, P. Lagrange, J. Lagrange and S.L. Scott	<i>J. Phys. Chem. A,</i> 106 , 11891- 11896	Journal Paper
42	2002	"Stoichiometry and Kinetics of Gas Phase Cyclohexene Epoxidation by a Silica-supported tert-Butylperoxodititanium Complex" A.O. Bouh and S.L. Scott	<i>Catal. Org. React.,</i> 89 , 537-543	Book chapter
43	2003	"Nanostructured Catalysts" S.L. Scott, C.M. Crudden and C.W. Jones, Eds.	<i>Nanostructure Science and Technology,</i> Vol 3, Kluwer: New York	Edited book
44	2003	"Multifunctional Active Sites on Silica Surfaces by Grafting of Metal Complexes" S.L. Scott and E.W. Deguns	"Nanostructured Catalysts" Kluwer: New York, pp. 1- 14	Book chapter
45	2003	"Heterogeneous Scavenging of Atmospheric Mercury by Snow Spiked with Hydrogen Peroxide" N. Lahoutifard, L. Poissant and S.L. Scott	<i>J. Phys. IV Fr.</i> 107 , 711-714	Journal Paper
46	2003	"Homogeneous and Heterogeneous Reactions of Atmospheric Mercury(II) and Sulfur(IV)" S.L. Scott, H. Yusuf, N. Lahoutifard and K. Maunder	<i>J. Phys. IV Fr.</i> 107 , 1201-1204	Journal Paper

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47	2003	"Silica-supported Rhodium Hydrides Stabilized by	J. Mol. Catal. A:	Journal
		Triisopropylphosphine"	Chem.	Paper
		S.L. Scott, A. Mills, C. Chao, JM. Basset, N. Millot and C.C. Santini	204-205 , 457- 463	
48	2003	"Olefin Epoxidation Catalyzed by an Air Stable-Supported Titanium Catalyst"	J. Mol. Catal. A: Chem	Journal Paper
		S. Sensarma, A.O. Bouh, S.L. Scott and H. Alper	203 , 145-152	i upoi
49	2003	Abiotic Methylation of Environmental Mercury" S.L. Scott and V. Celo	<i>Prepr. Ext. Abstr.</i> <i>ACS Natl. Meet.</i> , 43 , 625-627	Conference Proceed.
50	2004	"Rates and Mechanisms of Mercury Methylation by Methyltin Compounds in the Aquatic Environment" V. Celo, S.L. Scott and D.R.S. Lean	<i>RMZ-Mater. Geoenviron.</i> 51 , 919-922	Conference Proceed.
51	2004	"Artifact Formation of Methylmercury During Solid-Phase Extraction of Water Samples Using Sulfhydryl Cotton Fiber Adsorbent" V. Celo, R.V. Ananth, S.L. Scott and D.R.S. Lean	<i>Enviro</i> Analysis 2004	Conference Proceed.
52	2004	"Methylmercury Artifact Formation during Solid-Phase Extraction of Water Samples Using Sulfhydryl Cotton Fiber Adsorbent" V. Celo, R.V. Ananth, S.L. Scott, and D.R.S. Lean	<i>Anal. Chim. Acta</i> 516 , 171-177	Journal Paper
53	2004	"Dissociation of Acetaldehyde and β -Mo ₂ C to Yield Ethylidene and Oxo Surface Groups: A Possible Pathway for Active Site Formation in Heterogeneous Olefin Metathesis" M. Siaj, C. Reed, S.T. Oyama, S.L. Scott and P.H. McBreen	<i>J. Am. Chem. Soc.</i> 126 , 9514-9515	Journal Paper
54	2004	"Reply to "Comment on "Kinetics And Mechanism of Nitrite Oxidation by HOBr/BrO ⁻ in Atmospheric Water and Comparison with Oxidation by HOCI/OCI-""" N. Lahoutifard and S.L. Scott	<i>J. Phys. Chem. A</i> 108 , 10617- 10618	Journal Paper
55	2004	"Abiotic Methylation of Mercury in the Aquatic Environment" V. Celo, S.L. Scott and D.R.S. Lean	<i>RMZ-Mater. Geoenviron.</i> 51 , 915-918	Conference Proceed.
56	2005	"An X-ray Absorption Study of Two VOCI3-Modified Silicas: Evidence for Chloride-Silica Interactions" E.W. Deguns, Z. Taha, G.D. Meitzner and S.L. Scott	<i>J. Phys. Chem. B</i> 109, 5005-5011	Journal Paper
57	2005	"Preparation and Activity of a V-Ti/Silica Catalyst for Olefin Epoxidation" S.L. Scott and A. Hassan	<i>Catal. Org. React.,</i> 104 , 423-427	Book chapter
58	2005	"An Investigation of Catalyst/Cocatalyst/Support Interactions in Silica-supported Olefin Polymerization Catalysts Based on Cp*TiMe ₃ " S.L. Scott, T.L. Church, D.H. Nguyen, E.A. Mader and J. Moran	<i>Topics Catal.</i> 34 , 109-120	Journal Paper
59	2005	"The Effect of Cryogenic Sample Cooling on X-ray Absorption Spectra" G. Meitzner, J. Gardea-Torresdey, J. Parsons, S.L. Scott and E. Deguns	<i>Microchem. J.</i> 81 , 61-68	Journal Paper

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60	2005	"Kinetics and Mechanism of the Hg(II)-Assisted Hydrolysis of Methyl Iodide" V. Celo and S.L. Scott	<i>Inorg. Chem.</i> 44 , 2507-2512	Journal Paper
61	2006	"Scavenging of Gaseous Mercury by Acidic Snow at Kuujjuarapik, Northern Québec" N. Lahoutifard, L. Poissant and S.L. Scott	<i>Sci. Total Environ.</i> 355 , 118-126	Journal Paper
62	2006	"Formation of Digallium Sites in the Reaction of Trimethylgallium with Silica" Z. A. Taha, E. W. Deguns, S. Chattopadhyay and S.L. Scott	<i>Organometallics</i> 25 , 1891-1899	Journal Paper
63	2006	"Methytrioxorhenium Interactions with Lewis Acid Sites of an Amorphous Silica-Alumina" A.W. Moses, N.A. Ramsahye, C. Raab, H.D. Leifeste, S. Chattopadhyay, B.F. Chmelka, J. Eckert and S.L. Scott	<i>Organometallics</i> 25 , 2157-2165	Journal Paper
64	2006	"Photochemical Reduction and Reoxidation of Aqueous Mercuric Chloride in the Presence of Ferrioxalate and Air" F. A. Ababneh, S.L. Scott, H. A. Al-Reasi and D.R.S. Lean	<i>Sci. Total Environ.</i> 367 , 831-839	Journal Paper
65	2006	"Abiotic Methylation of Mercury in the Aquatic Environment" V. Celo, D.R.S. Lean and S.L. Scott	<i>Sci. Total Environ.</i> 368 , 126-137	Journal Paper
66	2007	"Supported Re Catalysts for the Metathesis of Functionalized Olefins" A.W. Moses, H.D. Leifeste, N. Ramsahye, J. Eckert, S.L. Scott	<i>Catal. Org. React.</i> 115, pp. 13-22	Book chapter
67	2007	"BaCe _{1-x} Pd _x O _{3-δ} (0≤x≤0.1): Redox-controlled Ingress and Egress of Palladium in a Perovskite" J. Li, U.G. Singh, J.W. Bennett, K. Page, J. Weaver, JP. Zhang, T. Proffen, A.M. Rappe, S.L. Scott, R. Seshadri	<i>Chem. Mater.</i> 19 , 1418-1426	Journal Paper
68	2007	"A Pd-doped Perovskite Catalyst, BaCe _{1-x} Pd _x O _{3-δ} , for CO Oxidation" U.G. Singh, J. Li, J.W. Bennett, A.M. Rappe, R. Seshadri, S.L. Scott	<i>J. Catal.</i> 249 , 349-358	Journal Paper
69	2007	"Spectroscopically Distinct Sites Present in Methyltrioxorhenium Grafted onto Silica-Alumina, and their Abilities to Initiate Olefin Metathesis" A.W. Moses, C. Raab, R.C. Nelson, H.D. Leifeste, N.A. Ramsahye, S. Chattopadhyay, J. Eckert, B.F. Chmelka, S.L. Scott	<i>J. Am. Chem. Soc.</i> 129 , 8912-8920	Journal Paper
70	2007	"Catalytic Transformation of Seed Oil Derivatives via Olefin Metathesis" S.L. Scott	<i>Helia</i> 30 , 133-142	Journal Paper
71	2007	"First-principles modeling of BaCeO₃: Structure and stabilization of C vacancies by Pd-doping" J.W. Bennett, R. Seshadri, S.L. Scott, A.M. Rappe arXiv:0707.3220v1) Los Alamos Natl. Lab., Prepr. Arch., Condens. Matter 1-6	Web Archive
72	2008	"Spectroscopy in Catalysis: An Introduction, Third Completely Revised and Enlarged Edition, by J. W. Niemantsverdriet" S.L. Scott	<i>J. Am. Chem. Soc.</i> 1 30 , 383	Book Review

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73	2008	"Catalytic Ring Expansion, Contraction, and Metathesis- Polymerization of Cycloalkanes" R. Ahuja, S. Kundu, A.S. Goldman, M. Brookhart, B.C. Vicente, S.L. Scott	<i>Chem. Commun.</i> 253-255	Journal Paper
74	2008	"Nature of \equiv SiOCrO ₂ Cl and (\equiv SiO) ₂ CrO ₂ Sites Prepared by Grafting CrO ₂ Cl ₂ onto Silica" C.A. Demmelmaier, R.E. White, J.A. van Bokhoven, S.L. Scott	<i>J. Phys. Chem. C</i> 112, 6439-6449	Journal Paper
75	2008	"Effect of Silica Type and Grafting Method on the Reactivity of Tetraneopentylchromium(IV) towards and on Silica" S.L. Scott, A. Fu, L.A. MacAdams (Angelici Special issue)	<i>Inorg. Chim. Acta</i> 361 , 3315-3321	Journal Paper
76	2008	"IR Spectroscopic Investigation of <i>cis</i> -(CH ₃) ₂ Au(O,O -acac) and <i>cis</i> -(CD ₃) ₂ Au(O,O -acac)" M. Hisamoto, S.L. Scott	<i>Spectrochim. Acta A</i> 71 , 969-974	Journal Paper
77	2008	"Reciprocal Space and Real-Space Neutron Investigation of Nanostructured Mo₂C and WC" K. Page, J. Li, R. Savinelli, H.N. Szumila, J. Zhang, J.K. Stalick, T. Proffen, S.L. Scott, R. Seshadri	<i>Solid State Sci.</i> 10 , 1499-1510	Journal Paper
78	2008	"Highly Dispersed Clay-Polyolefin Nanocomposites Free of Compatibilisers, via the <i>In Situ</i> Polymerization of α -Olefins by Clay- Supported Catalysts" S.L. Scott, B.C. Peoples, C. Yung, R.S. Rojas, V. Khanna, H. Sano, T. Suzuki, F. Shimizu	<i>Chem. Commun.</i> 4186-4188	Journal Paper
79	2008	Hexagonal YFe _{1-x} Pd _x O ₃ : Non-perovskite Host Compounds for Pd ²⁺ and Their Catalytic Activity for CO Oxidation J. Li, U. G. Singh, T. D. Schladt, J. K. Stalick, S. L. Scott, R. Seshadri	<i>Chem. Mater.</i> 20 , 6567-6576	Journal Paper
80	2009	"A Highly Active and Reusable Catalyst for Suzuki Coupling: BaCe ₁₋ _x Pd _x O _{3-x} (0 < $x \le 0.1$)" X. Ouyang, J. Li, R. Seshadri and S.L. Scott	<i>Catal. Org. React.</i> 123 , 233-241	Book chapter
81	2009	"Solid-State Spectroscopic and Structural Investigation of <i>cis</i> - (CH ₃) ₂ Au(<i>O,O</i> ´-acac)" M. Hisamoto, S. Chattopadhyay, J. Eckert, G. Wu, S.L. Scott	<i>J. Chem. Crystallogr.</i> 39 , 173-177	Journal Paper
82	2009	"Evidence for a Chromasiloxane Ring Size Effect in Phillips (Cr/SiO₂) Polymerization Catalysts" C.A. Demmelmaier, R.E. White, J.A. van Bokhoven, S.L. Scott	<i>J. Catal.</i> 262 , 44-56	Journal Paper
83	2009	"Highly Active and Recyclable Heterogeneous Iridium Pincer Catalysts for Transfer Dehydrogenation of Alkanes" Z. Huang, M. Brookhart, A.S. Goldman, S. Kundu, A. Ray, S. L. Scott, B.C. Vicente Featured in <i>SYNFACTS</i> , 2009, 4 , 453	<i>Adv. Synth. Catal.</i> 351 , 188-206	Journal Paper
84	2009	"Mode of Adsorption of (CH₃)₂Au(acac) onto Partially- Dehydroxylated Silica" M. Hisamoto, R.C. Nelson, MY. Lee, J. Eckert, S.L. Scott	<i>J. Phys. Chem. C</i> 113, 8794-8805	Journal Paper

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85	2009	"CO Oxidation Catalyzed by Pd-doped BaCeO3: Coexistence of Langmuir-Hinshelwood and BaCeO3-mediated Mechanisms" X. Ouyang, S.L. Scott	<i>Mater. Res. Soc.</i> <i>Symp. Proc.</i> 1217 -Y02-05	Conf. Proceed.
86	2010	"La₄LiAuO ₈ and La₂BaPdO₅: Comparing Two Highly Stable <i>d</i> ⁸ Square- planar Oxides" J.A. Kurzman, X. Ouyang, W.B. Im, J. Li, J. Hu, S.L. Scott, R. Seshadri	<i>Inorg. Chem.</i> 49 , 4670-4680	Journal Paper
87	2010	"Electronic structure of alumina-supported monometallic Pt and bimetallic PtSn catalysts under hydrogen and carbon monoxide environment" J.Singh, R.C. Nelson, B.C. Vicente, S.L. Scott, J.A. van Bokhoven	<i>Phys. Chem.</i> <i>Chem. Phys.</i> 12 , 5668-5677	Journal Paper
88	2010	"Wavelet transform EXAFS analysis of mono- and dimolybdate model compounds and a Mo/HZSM-5 dehydroaromatization catalyst" R.O. Savinelli, S.L. Scott	<i>Phys. Chem. Chem. Phys.</i> 12 , 5660-5667	Journal Paper
89	2010	"Bifunctional Solid Catalysts for the Selective Conversion of Fructose to 5-Hydroxymethylfurfural" A.J. Crisci, M.H. Tucker, J.A. Dumesic, S.L. Scott	<i>Topics Catal.</i> 53 , 1185-1192	Journal Paper
90	2010	"CO Oxidation Catalyzed by Pd-doped BaCeO3: Coexistence of Langmuir-Hinshelwood and BaCeO3-mediated Mechanisms" X. Ouyang, S.L. Scott	<i>J. Catal.</i> 273 , 83-91	Journal Paper
91	2010	"Catalytic Disassembly of an Organosolv Lignin via Hydrogen Transfer from Supercritical Methanol" K. Barta, T.D. Matson, M.L. Fettig, S. Scott, A.V. Iretskii, P.C. Ford	<i>Green Chem.</i> 12 , 1640-1647	Journal Paper
92	2011	"Electronic structures of supported Pt and PtSn nanoparticles in the presence of adsorbates and during CO oxidation" B.C. Vicente, R.C. Nelson, J. Singh, S.L. Scott, J.A. van Bokhoven	<i>Catal. Today</i> 160 , 137-143	Journal Paper
93	2011	"Clay-Polyolefin Nanocomposites by <i>In Situ</i> Polymerization", in <u>Advances in Polyolefin Nanocomposites</u> , V. Mittal, Ed. S.L. Scott	<i>Taylor-Francis</i> pp. 129-184	Book Chapter
94	2011	"Spectroscopic Evidence for Extra-Framework Heterometallic Oxo- Clusters in Fe/Ga-ZSM-5 Catalysts" H. Xia, S.D. Fleischman, C. Li, S.L. Scott	<i>J. Phys. Chem.</i> <i>Lett.</i> 2 , 190-195	Journal Paper
95	2011	"Evidence for the Non-random Distribution of Grafting Sites on Highly Dehydroxylated Silicas, via their Reactions with $Ga(CH_3)_3$ " S.D. Fleischman, S.L. Scott Featured on the journal cover, 06/04/2011	<i>J. Am. Chem. Soc.</i> 133, 4847-4855	Journal Paper
96	2011	"Quantitative Investigation of a Hybrid Ziegler-Natta Catalyst Support, Prepared by Grafting Di(<i>n</i> -butyl)magnesium onto Partially- Dehydroxylated Silica" MY. Lee, S.L. Scott	<i>Chem. Eur. J.</i> 17 , 4632-4639	Journal Paper
97	2011	"Reactions of Phosphinites with Oxide Surfaces: A New Method for Anchoring Organic and Organometallic Complexes" B.C. Vicente, Z. Huang, M. Brookhart, A.S. Goldman, S. L. Scott Featured on the RSC Blog, 06/04/2011	<i>Dalton Trans.</i> 40 , 4268 – 4274	Journal Paper

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98	2011	"Linear, High Molecular Weight Polyethylene from a Discrete, Mononuclear Phosphinoarenesulfonate Complex of Nickel" P. Perrotin, J.S.J. McCahill, G. Wu, S.L. Scott	<i>Chem. Commun.</i> 6948-6950	Journal Paper
99	2011	"Interactions Involving Lewis Acidic Aluminum Sites in Oxide- Supported Perrhenate Catalysts" B.C. Vicente, R.C. Nelson, A.W. Moses, S. Chattopadhyay, S.L. Scott	<i>J. Phys. Chem. C</i> 115, 9012-9024	Journal Paper
100	2011	"Functionalized periodic mesoporous silica catalysts for the selective dehydration of carbohydrates" A.J. Crisci, M.H. Tucker, J.A. Dumesic, S.L. Scott	Prepr. – Am. Chem. Soc., Div. Petr. Chem. 56 , 148-149	Conf. Proceed.
101	2011	"Acid-Functionalized SBA-15-Type Silica Catalysts for Carbohydrate Dehydration" A.J. Crisci, M.H. Tucker, S. Jang, J.A. Dumesic, S.L. Scott	<i>ACS Catal.</i> 1, 719-728	Journal Paper
102	2011	"Pd ²⁺ /Pd ⁰ Redox Cycling in Hexagonal YFe _{0.5} Mn _{0.5} O ₃ : Implications for Catalysis by PGM-substituted Complex Oxides" J. Kurzman, J. Li, T. Schladt, C. Parra, X. Ouyang, R. Davis, J. Miller, S.L. Scott, R. Seshadri	<i>lnorg. Chem.</i> 50 , 8073-8084	Journal Paper
103	2011	"Clay-Catalyzed Cracking Leads to Suppressed Flammability in Clay-Polyolefin Nanocomposites" B.M. Kunkel, B.C. Peoples, C.M. Yung, S.L. Scott	<i>Macromol. Eng.</i> 296 , 1075-1080	Journal Paper
104	2012	"Borane-Induced Dehydration of Silica, and the Ensuing Water-Catalyzed Grafting of $B(C_6F_5)_3$ " YJ. Wanglee, J. Hu, R.E. White, MY. Lee, S.M. Stewart, P. Perrotin, S.L. Scott	<i>J. Am. Chem. Soc.</i> 1 34 , 355-366	Journal Paper
105	2012	"Two-step synthesis of Fe_2O_3 and Co_3O_4 nanoparticles: Towards a general method for synthesizing nanocrystalline metal oxides with high surface area and thermal stability" J. Zhu, X. Ouyang, MY. Lee, R.C. Davis, S.L. Scott, A. Thomas	<i>RSC Advances</i> 2 , 121-124	Journal Paper
106	2012	"Origin of the ZnCl ₂ Effect on CH ₃ ReO ₃ / γ -Al ₂ O ₃ in Olefin Metathesis" T.M. Tovar, S.M. Stewart, S.L. Scott	<i>Top. Catal.</i> 55 , 530-537	Journal Paper
107	2012	"Spectroscopic and structural characterization of the Cr(II)/SiO ₂ active site precursors in a model Phillips catalyst" L. Zhong, MY. Lee, Z. Liu, YJ. Wanglee, B. Liu, S.L. Scott	<i>J. Catal.</i> 293 , 1-12	Journal Paper
108	2012	"Acid-Functionalized SBA-15-Type Periodic Mesoporous Organosilicas and their Use in the Continuous Production of 5- Hydroxymethylfurfural" M.H. Tucker, A.J. Crisci, B. Wigington, N. Phadke, R. Alamillo, J. Zhang, S.L. Scott, J.A. Dumesic featured on the journal cover	<i>ACS Catal.</i> 2 , 1865-1876	Journal Paper
109	2012	"A Biomimetic Pathway for Vanadium-Catalyzed Aerobic Oxidation: Evidence for Intermolecular Base-assisted Dehydrogenation" B.N. Wigington, M.L. Drummond, T.R. Cundari, D.L. Thorn, S.K. Hanson, S.L. Scott	<i>Chem. Eur. J.</i> <i>18</i> , 14981- 14988	Journal Paper

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110	2013	"Direct Conversion of Methane by Dehydroaromatization: Progress and Prospects" S. Ma, X. Guo, L. Zhao, S. Scott, X. Bao	<i>J. Energy Chem.</i> <i>22</i> , 1-20	Journal Paper
111	2013	"Sustainable solvent systems for use in tandem carbohydrate dehydration-hydrogenation" M.H. Tucker; R. Alamillo; A.J. Crisci; G. Gonzalez; S.L. Scott; J.A. Dumesic	<i>ACS Sustainable Chem. Eng.</i> 1, 554-560	Journal Paper
112	2013	"Niobium-silica catalysts for the selective epoxidation of cyclic alkenes: the generation of the active site by grafting niobocene dichloride" C. Tiozzo, C. Bisio, Fabio Carniato, A. Gallo, S.L. Scott, R. Psaro, M. Guidotti	<i>Phys. Chem.</i> <i>Chem. Phys.</i> 15 , 13354- 13362	Journal Paper
113	2013	"Phillips Cr/silica catalyst for ethylene polymerization", in <u>Polyolefins: 50 Years after Ziegler and Natta</u> R. Cheng, Z. Liu, L. Zhong, X. He, P. Qiu, M. Terano, M.S. Eisen, S.L. Scott, B. Liu	<i>Adv. Polym. Sci.</i> 257 , 135-202	Book Chapter
114	2013	"Amine Catalyzed Atomic Layer Deposition of (3- Mercaptopropyl)trimethoxysilane for the Production of Heterogeneous Sulfonic Acid Catalysts" D. Jackson, D. Wang, J.M. Gallo, A. Crisci, S. Scott, J. Dumesic, T. Kuech	<i>Chem. Mater.</i> 25 , 3844–3851	Journal Paper
115	2013	"A Tailored Microenvironment for Catalytic Biomass Conversion in Inorganic-Organic Nanoreactors" R. Alamillo, A.J. Crisci, J. M. Gallo, S.L. Scott, J.A. Dumesic Featured on the journal cover	<i>Angew. Chem. Int. Ed.</i> 52 , 10349- 10351	Journal Paper
116	2013	"Stabilization by Atomic Layer Deposition of Copper Catalysts for Liquid Phase Reactions" B.J. O'Neill, D.H.K. Jackson, A.J. Crisci, C.A. Farberow, F. Shi, J. Lu, P.J. Dietrich, X. Gu, C.L. Marshall, P.C. Stair, J.W. Elam, J.T. Miller, F.H. Ribeiro, P.M. Voyles, J. Greeley, M. Mavrikakis, S.L. Scott, T.F. Kuech, J.A. Dumesic Designated VIP contribution and featured on the journal cover	<i>Angew. Chem. Int.</i> <i>Ed.,</i> 52 , 13808- 13812	Journal Paper
117	2013	"Water-Catalyzed Activation of H_2O_2 by Methyltrioxorhenium: A Combined Computational-Experimental Study" T. Hwang; B.R. Goldsmith; B. Peters; S.L. Scott	<i>Inorg. Chem</i> 52 , 13904- 13917	Journal Paper
118	2014	"Mechanism of NO Reduction by CO over Pt/SBA-15" P. Xiao, R.C. Davis, X. Ouyang, J. Li, A. Thomas, S.L. Scott, J. Zhu	<i>Catal. Commun.</i> 50 , 69-72	Journal Paper
119	2014	"Chromium catalysts for ethylene polymerization and oligomerization" Z. Liu, X. He, R. Cheng, M.S. Eisen, M. Terano, S.L. Scott, B. Liu	<i>Adv. Chem. Eng.</i> 44 , 127-191	Book Chapter
120	2014	"Tandem Catalytic Conversion of Glucose to 5- Hydroxymethylfurfural with an Immobilized Enzyme and a Solid Acid" H. Huang, C.A. Denard, R. Alamillo, A.J. Crisci, Y. Miao, J.A. Dumesic, S.L. Scott, H. Zhao	<i>ACS Catal.</i> 4 , 2165-2168	Journal Paper

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121	2015	"Ir-Re Alloy as a Highly Active Catalyst for the Hydrogenolysis of Glycerol to 1,2-Propanediol" C. Deng, X. Duan, J. Zhou, X. Zhou, W. Yuan, S.L. Scott	<i>Catal. Sci. Technol.</i> 5 , 1540-1547	Journal Paper
		DOI: 10.1039/C4CY01285B		
122	2015	"Single Atom Catalysts on Amorphous Supports: A Quenched Disorder Perspective" B. Peters, S.L. Scott DOI: 10.1063/1.4914145	<i>J. Chem. Phys.</i> 142 , 104708	Journal Paper
123	2015	"Computational Kinetic Discrimination of Ethylene Polymerization Mechanisms for the Phillips (Cr/SiO ₂) Catalyst" A. Fong, Y. Yuan, S.L. Ivry, S.L. Scott, B. Peters DOI: 10.1021/acscatal.5b00016	<i>ACS Catal.</i> 5 , 3360-3374	Journal Paper
124	2015	"Rate-Enhancing Roles of Water Molecules in Methyltrioxorhenium- Catalyzed Olefin Epoxidation by Hydrogen Peroxide" B. Goldsmith, T. Hwang, S. Seritan, B. Peters, S.L. Scott DOI: 10.1021/jacs.5b03750	<i>J. Am. Chem. Soc.</i> 137 , 9604-9616	Journal Paper
125	2015	"Mapping reactivities of aromatic models with a lignin disassembly catalyst. Steps toward controlling product selectivity" C.M. Bernt, G. Bottari, J.A. Barrett, S.L. Scott, K. Barta, P.C. Ford DOI: 10.1039/C5CY01555C	<i>Catal. Sci. Technol.</i> 6 , 2984-2994	Journal Paper
126	2015	"Mechanism of Initiation in the Phillips' Ethylene Polymerization Catalyst: Redox Processes Leading to the Active Site" C. Brown, J. Krzystek, R. Achey, R. Fu, R. Meulenberg, M. Polinski, N. Peek, Y. Wang, L. van de Burgt, S. Profeta, A.E. Stiegman, S.L. Scott DOI: 10.1021/acscatal.5b00927	<i>ACS Catal.</i> 5 , 5574-5583	Journal Paper
127	2015	"Re-examining the evidence for proton transfers in ethylene polymerization" B. Peters, S.L. Scott, A. Fong, Y. Wang, A.E. Stiegman DOI : 10.1073/pnas.1422589112	<i>Proc. Natl. Acad. Sci. USA</i> 112 , E4160- E4161	Letter (peer- reviewed)
128	2015	"A Cu ₂₅ Nanocluster with Metallic Copper Character" T.D. Nguyen, Z.R. Jones, B.R. Goldsmith, W.R. Buratto, G. Wu, B. Peters, S.L. Scott, T.W. Hayton DOI: 10.1021/jacs.5b07574	<i>J. Am. Chem. Soc.</i> 137 , 13319- 13324	Journal Paper
129	2015	"Selective Grafting of Ga(i-Bu) ₃ on Mesoporous H-ZSM-5 by Surface Organometallic Chemistry for Catalytic Propane Aromatization" K.C. Szeto, A. Gallo, S. Hernández-Morejudo, U. Olsbye, F. Lefebvre, L. Delevoye, R.M. Gauvin, S.L. Scott, M. Taoufik DOI: 10.1021/acs.jpcc.5b09289	<i>J. Phys. Chem. C</i> 119 , 26611- 26619	Journal Paper
130	2016	"Toward Benchmarking in Catalysis Science: Best Practices, Challenges, and Opportunities" T. Bligaard, R.M. Bullock, C.T. Campbell, J.G. Chen, B.C. Gates, R.J. Gorte, C.W. Jones, W.D. Jones, J.R. Kitchin, S.L. Scott DOI: 10.1021/acscatal.6b00183 Featured in <i>Nature</i> 2016 , <i>537</i> , 156–158 DOI:10.1038/537156a	<i>ACS Catal.</i> 6 , 2590-2602	Journal Paper

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131	2016	"Rapid Extraction of Quantitative Kinetic Information from Variable-Temperature Reaction Profiles" D.C. Coller, B.C. Vicente, S.L. Scott DOI: 10.1016/j.cej.2016.05.136	<i>Chem. Eng. J.</i> 303 , 183-192	Journal Paper
132	2016	"Ligand-Exchange-Induced Growth of an Atomically Precise Cu ₂₉ Nanocluster from a Smaller Cluster" T.D. Nguyen, Z.R. Jones, D.F. Leto, G. Wu, S.L. Scott, T.W. Hayton DOI: 10.1021/acs.chemmater.6b03879	<i>Chem. Mater.</i> 28 , 8385-8390	Journal Paper
133	2016	"Ligand Exchange-Mediated Activation and Stabilization of a Re- based Olefin Metathesis Catalyst by chlorinated alumina" A. Gallo, A. Fong, K.C. Szeto, J. Rieb, L. Delevoye, R.M. Gauvin, M. Taoufik, B. Peters, S.L. Scott DOI: 10.1021/jacs.6b06953	<i>J. Am. Chem. Soc.</i> 138 , 12935- 12947	Journal Paper
134	2016	"One-Electron Redox activation of the Reduced Phillips Polymerization Catalyst via Alkylchromium(IV) Homolysis: A Computational Assessment" A. Fong, B. Peters, S.L. Scott DOI: 10.1021/acscatal.6b01728	<i>ACS Catal.</i> 6 , 8286-8307	Journal Paper
135	2016	"Phenomena Affecting Catalytic Reactions at Solid-Liquid Interfaces" C. Sievers, Y. Noda, L. Qi, E.M. Albuquerque, R.M. Rioux, S.L. Scott DOI: 10.1021/acscatal.6b02532	<i>ACS Catal.</i> 6 , 8286-8307	Journal paper
136	2017	" <i>Operando</i> Solid-state NMR Observation of Solvent-Mediated Adsorption-Reaction of Carbohydrates in Zeolites" L. Qi, R. Alamillo, W.A. Elliott, A. Andersen, D.W. Hoyt, E.D. Walter, K.S. Han, N.M. Washton, R.M. Rioux, J.A. Dumesic, S.L. Scott DOI: 10.1021/acscatal.7b01045	<i>ACS Catal.</i> 7 , 3489–3500	Journal Paper
137	2017	"Mechanism of Initiation in the Phillips Ethylene Polymerization Catalyst: Ethylene Activation by Cr(II) and the Structure of the Resulting Active Site" C. Brown, A. Lita, M. Crosswhite, Y. Tao, M. Mileham, J. Krzystek, R. Achey, R. Fu, M. Polinski, N. Peek, Y. Wang, L. van de Burgt, S. Profeta, A.E. Stiegman, S.L. Scott DOI: 10.1021/acscatal.7b02677	<i>ACS Catal.</i> 7 , 7442-7455	Journal Paper
138	2017	"Beyond Ordered Materials: Understanding Catalytic Sites on Amorphous Solids" B.R. Goldsmith, B. Peters, J.K. Johnson, B.C. Gates, S.L. Scott	<i>ACS Catal.</i> 7 , 7543-7557	Journal Paper
139	2018	"An Organometallic Cu ₂₀ Superatom Featuring a [Cu ₄] ²⁺ Tetrahedral Core: Synthesis, Immobilization on Silica, Characterization, and Catalysis" A.W. Cook, Z. Jones, G. Wu, S.L. Scott, T.W. Hayton	<i>J. Am. Chem. Soc.</i> 140 , 394-400	Journal Paper
140	2017	"Superlative Scientific Writing" S.L. Scott, C.W. Jones	<i>ACS Catal.</i> 7 , 2218-2219	Editorial

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141	2018	"Computational Support for Phillips Catalyst Initiation via Cr-C Bond Homolysis in a Chromacyclopentane Site" A. Fong, C. Vandervelden, S.L. Scott, B. Peters	<i>ACS Catal.</i> 8 , 1728-1733	Journal Paper
142	2018	"Solid Molecular Frustrated Lewis Pairs for the Catalytic Metal-Free Hydrogenation of Alkenes" A. Wilms, H. Schuhmacher, T. Tabassum, L. Qi, S. L. Scott, P. J. C. Hansoul, M. Rose	<i>ChemCatChem</i> 10 , 1835-1843	Journal Paper
143	2018	"Operando MAS-NMR Reaction Studies at High Temperatures and Pressures" E.D. Walter, L. Qi, A. Chamas, H.S. Mehta, J.A. Sears, S.L. Scott, D.W. Hoyt	<i>J. Phys. Chem. C</i> 122 , 8209-8215 <i>Featured on the</i> <i>journal cover.</i>	
144	2018	"A Reassessment of the Electronic Structure of Cr(VI) Sites Supported on Amorphous Silica and Implications for Cr Coordination Number" N. Peek, D. B. Jeffcoat, C. Moisii, L. van de Burgt, S. Profeta, S.L. Scott, A.E. Stiegman	<i>J. Phys. Chem. C</i> 122 , 4349-4358	Journal Paper
145	2018	"The Role of the Electric Field in Catalysis: A Perspective" F. Che, J.T. Gray, S. Ha, N. Kruse, S.L. Scott, JS. McEwen	<i>ACS Catal.</i> 8 , 5153-5174	Journal Paper
146	2018	"Essential Elements of Collaboration: Understanding How Chemistry Graduate Students Experience Collaboration through International Research Visits" A. Leak, E. Sciaky, L. Lunaberg, J. Bianchini, S. Scott	<i>J. Chem. Educ.</i> 95 , 749-757	Journal Paper
147	2018	"Do Mono-Oxo Sites Exist in Silica-Supported Cr(VI) Materials? Reassessment of the Resonance Raman Spectra" C. Moisii, D. Jeffcoat, N. Peek, L. van de Burgt, S.L. Scott, A. E. Stiegman	<i>J. Phys. Chem. C</i> 122 , 17149- 17160	Journal Paper
148	2018	"A Strong Support Effect in Selective Propane Dehydrogenation Catalyzed by Ga(i -Bu) ₃ Grafted onto Silica and γ -Alumina" K.C. Szeto, N. Merle, C. Rios, A. Gallo, Z.R. Jones, L. Delevoye, R.M. Gauvin, S.L. Scott, M. Taoufik	<i>ACS Catal.</i> 8 , 7566-7577	Journal Paper
149	2018	"A Matter of Life(time) and Death" S.L. Scott	<i>ACS Catal.</i> 8 , 8597-8599	Editorial
150	2018	"Enhanced Metathesis Activity and Stability of Methyltrioxorhenium on a Mostly Amorphous Alumina: Role of the Local Grafting Environment" F. Zhang, K. C. Szeto, M. Taoufik, L. Delevoye, R.M. Gauvin, S.L. Scott	<i>J. Am. Chem. Soc.</i> 140 , 13854- 13868	Journal Paper
151	2019	"High Temperature/Pressure MAS-NMR for the Study of Dynamic Processes in Mixed Phase Systems" A. Chamas, L. Qi, H. S. Mehta, J. A. Sears, S. L. Scott, E. D. Walter, D. W. Hoyt	<i>Mag. Reson. Imag.</i> 56 , 37-44	Journal Paper
152	2019	"Glucose Isomerization and Epimerization over Metal-Organic Frameworks with Single-Site Active Centers" Q. Luo, Y. Zhang, L. Qi, S.L. Scott	<i>ChemCatChem</i> 11 , 1903-1909	Journal Paper

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153	2019	"The Burden of Disproof" S.L. Scott	<i>ACS Catal.</i> 9 , 4706-4708	Editorial
154	2019	"Direct, Selective Production of Aromatic Alcohols from Ethanol Using a Tailored Bifunctional Catalyst" QN. Wang, XF. Weng, BC. Zhou, SP. Lv, S. Miao, D. Zhang, Y. Han, S. L. Scott, F. Schüth, AH. Lu	<i>ACS Catal.</i> 9 , 7204-7216	Journal Paper
155	2019	"Upcycling Single-Use Polyethylene into High-Quality Liquid Products" G. Celik, R.M. Kennedy, R.A. Hackler, M. Ferrandon, A. Tennakoon, S. Patnaik, A.M. Lapointe, S.C. Ammal, A. Heyden, F.A. Perras, M. Pruski, S. Scott, K.R. Poeppelmeier, A.D. Sadow, M. Delferro	<i>ACS Central Sci.</i> 9 , 7204-7216	Journal Paper
156	2019	"Grafting metal complexes onto amorphous supports: From elementary steps to catalyst site populations via kernel regression" S. Khan, C. Vandervelden, S.L. Scott, B. Peters	<i>React. Chem. Engr.</i> 5 , 66-76	Journal Paper
157	2019	"Site-averaged kinetics for catalysts on amorphous supports: An importance learning algorithm" C. Vandervelden, S. Khan, S.L. Scott, B. Peters	<i>React. Chem. Engr.</i> 5 , 77-86	Journal Paper
158	2019	"Unraveling the Dynamic Network in the Reactions of an Alkyl Aryl Ether Catalyzed by Ni/ γ -Al ₂ O ₃ in 2-Propanol" L. Qi, A. Chamas, Z. Jones, E. Walter, D. Hoyt, N. Washton, S.I. Scott	<i>J. Am. Chem. Soc.</i> 141 , 17730- 17381	Journal Paper
159	2020	"Structure-performance correlations of cross-linked boronic acid polymers as adsorbents for recovery of fructose from glucose- fructose mixtures" G. Schroer, J. Deischter, T. Zensen, J. Kraus, AC. Pöppler, L. Qi, S. Scott, I. Delidovich	<i>Green Chem.</i> 22 , 550-562	Journal Paper
160	2020	"Phosphonate-Modified UiO-66 Brønsted Acid Catalyst and Its Use in Dehydra-Decyclization of 2-Methyltetrahydrofuran to Pentadienes" M. Dorneles de Mello, G. Kumar, T. Tabassum, S.K. Jain, TH. Chen, S. Caratzoulas, X. Li, D. G. Vlachos, SI. Han, <u>S.L. Scott</u> , P. Dauenhauer, M. Tsapatsis.	<i>Angew. Chem. Int.</i> <i>Ed.</i> 59 , 13260- 13266	
161	2020	"Degradation Rates of Plastics in the Environment" Ali Chamas, Hyunjin Moon, Jiajia Zheng, Yang Qiu, Tarnuma Tabassum, Jun Hee Jang, Susannah L. Scott, Mahdi Abu-Omar, Sangwon Suh	<i>ACS Sustain. Chem. Eng.</i> 8 , 3494-3511	Journal Paper
162	2020	"Tuning Molecular Adsorption in SBA-15-Type Silicas by Systematic Variation of Surface Polarity" H. Moon, S. Han, S.L. Scott DOI: <u>10.1039/D0SC00168F</u>	<i>Chem. Sci.</i> 11, 3702-3712	Journal Paper
163	2020	"Polyethylene Upgrading to Long-Chain Alkylaromatics by Tandem Catalytic Depolymerization/Dehydroaromatization" F. Zhang, D. Zeng, R. Yappert, A.M. Lapointe, J. Sun, A. Lee, B. Peters, M.M. Abu-Omar, S.L. Scott	<i>Science</i> in press	Journal Paper