

Ive Hermans

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132
papers

5,927
citations

41
h-index

72
g-index

146
ext. papers

6,899
ext. citations

8.5
avg, IF

6.19
L-index

#	Paper	IF	Citations
132	Ethanol to distillate-range molecules using Cu/MgxAlOy catalysts with low Cu loadings. <i>Applied Catalysis B: Environmental</i> , 2021 , 304, 120984	21.8	1
131	Optical encoding of luminescent carbon nanodots in confined spaces. <i>Chemical Communications</i> , 2021 , 57, 11952-11955	5.8	1
130	Assessment and comparison of ordered & non-ordered supported metal oxide catalysts for upgrading propane to propylene. <i>Applied Catalysis A: General</i> , 2021 , 617, 118121	5.1	6
129	Highly Selective Carbon-Supported Boron for Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2021 , 13, 3611-3618	5.2	7
128	Controlled Grafting Synthesis of Silica-Supported Boron for Oxidative Dehydrogenation Catalysis. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12636-12649	3.8	6
127	In-situ IR Spectroscopy Study of Reactions of C3 Oxygenates on Heteroatom (Sn, Mo, and W) doped BEA Zeolites and the Effect of Co-adsorbed Water. <i>ChemCatChem</i> , 2021 , 13, 445-458	5.2	2
126	Reducing Antisolvent Use in the STRAP Process by Enabling a Temperature-Controlled Polymer Dissolution and Precipitation for the Recycling of Multilayer Plastic Films. <i>ChemSusChem</i> , 2021 , 14, 4317-4329	8.3	5
125	Insights into Ethanol Coupling over Hydroxyapatite using Modulation Excitation Operando Infrared Spectroscopy. <i>ChemCatChem</i> , 2020 , 12, 4167-4175	5.2	3
124	Rates of levoglucosan hydrogenolysis over Brønsted and Lewis acid sites on platinum silica-alumina catalysts synthesized by atomic layer deposition. <i>Journal of Catalysis</i> , 2020 , 389, 111-120	7.3	4
123	Why Boron Nitride is such a Selective Catalyst for the Oxidative Dehydrogenation of Propane. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16527-16535	16.4	37
122	Kinetics of the Ag/KNO3/CaCO3 Catalyzed Aerobic Propylene Epoxidation and Effects of CO2. <i>ChemCatChem</i> , 2020 , 12, 2522-2532	5.2	0
121	Why Boron Nitride is such a Selective Catalyst for the Oxidative Dehydrogenation of Propane. <i>Angewandte Chemie</i> , 2020 , 132, 16670-16678	3.6	3
120	B-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 6608-6612	3.6	8
119	B-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6546-6550	16.4	33
118	Understanding the Synthesis of Supported Vanadium Oxide Catalysts Using Chemical Grafting. <i>Chemistry - A European Journal</i> , 2020 , 26, 1052-1063	4.8	6
117	Synthesis Gas Conversion Over Molybdenum-Based Catalysts Promoted by Transition Metals. <i>ACS Catalysis</i> , 2020 , 10, 365-374	13.1	9
116	The Use of Heterogeneous Catalysis in the Chemical Valorization of Plastic Waste. <i>ChemSusChem</i> , 2020 , 13, 5808-5836	8.3	41

115	Structure Determination of Boron-Based Oxidative Dehydrogenation Heterogeneous Catalysts with Ultra-High Field 35.2 T B Solid-State NMR Spectroscopy. <i>ACS Catalysis</i> , 2020 , 10, 13852-13866	13.1	18
114	Recent Advances in the Understanding of Boron-Containing Catalysts for the Selective Oxidation of Alkanes to Olefins. <i>Topics in Catalysis</i> , 2020 , 63, 1700-1707	2.3	4
113	Selective Oxidative Cracking of n-Butane to Light Olefins over Hexagonal Boron Nitride with Limited Formation of CO. <i>ChemSusChem</i> , 2020 , 13, 152-158	8.3	14
112	Investigation of Supported Metal Oxide Species with Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 25220-25227	3.8	5
111	Ethanol condensation at elevated pressure over copper on AlMgO and AlCaO porous mixed-oxide supports. <i>Catalysis Science and Technology</i> , 2019 , 9, 2032-2042	5.5	10
110	Computational description of key spectroscopic features of zeolite SSZ-13. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 19065-19075	3.6	5
109	Catalytic C-O bond hydrogenolysis of tetrahydrofuran-dimethanol over metal supported WO _x /TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 117945	21.8	15
108	Hexane-1,2,5,6-tetrol as a Versatile and Biobased Building Block for the Synthesis of Sustainable (Chiral) Crystalline Mesoporous Polyboronates. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13430-13436	8.3	36
107	Synthesis and Characterization of Silica-Supported Boron Oxide Catalysts for the Oxidative Dehydrogenation of Propane. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 27000-27011	3.8	37
106	UVVis and Photoluminescence Spectroscopy to Understand the Coordination of Cu Cations in the Zeolite SSZ-13. <i>Chemistry of Materials</i> , 2019 , 31, 9582-9592	9.6	10
105	Dynamic Phase Diagram of Catalytic Surface of Hexagonal Boron Nitride under Conditions of Oxidative Dehydrogenation of Propane. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 20-25	6.4	38
104	Synthesis Gas Conversion over Rh/Mo Catalysts Prepared by Atomic Layer Deposition. <i>ACS Catalysis</i> , 2019 , 9, 1810-1819	13.1	22
103	Probing the Transformation of Boron Nitride Catalysts under Oxidative Dehydrogenation Conditions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 182-190	16.4	94
102	Ethylene Dimerization and Oligomerization to 1-Butene and Higher Olefins with Chromium-Promoted Cobalt on Carbon Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 2488-2497	13.1	27
101	Synthesis of 1,6-Hexanediol from Cellulose Derived Tetrahydrofuran-Dimethanol with Pt-WO _x /TiO ₂ Catalysts. <i>ACS Catalysis</i> , 2018 , 8, 1427-1439	13.1	68
100	Aerobic Oxidations of Light Alkanes over Solid Metal Oxide Catalysts. <i>Chemical Reviews</i> , 2018 , 118, 2769-2815	28.1	150
99	Serendipity in Catalysis Research: Boron-Based Materials for Alkane Oxidative Dehydrogenation. <i>Accounts of Chemical Research</i> , 2018 , 51, 2556-2564	24.3	58
98	Synthesis Gas Conversion over Rh-Mn-W _x C/SiO ₂ Catalysts Prepared by Atomic Layer Deposition. <i>ACS Catalysis</i> , 2018 , 8, 10707-10720	13.1	15

97	2D Covalent Organic Frameworks as Intrinsic Photocatalysts for Visible Light-Driven CO Reduction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14614-14618	16.4	263
96	The Influence of Reactor Parameters on the Boron Nitride-Catalyzed Oxidative Dehydrogenation of Propane. <i>Organic Process Research and Development</i> , 2018 , 22, 1644-1652	3.9	26
95	Oligomerization of 1-butene over carbon-supported CoOx and subsequent isomerization/hydroformylation to n-nonanal. <i>Catalysis Communications</i> , 2018 , 114, 93-97	3.2	6
94	Selective Oxidation of n-Butane and Isobutane Catalyzed by Boron Nitride. <i>ChemCatChem</i> , 2017 , 9, 2118-2127	5.2	63
93	Applications of Modulation Excitation Spectroscopy in Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1123-1136	3.9	64
92	Production of 1,6-hexanediol from tetrahydropyran-2-methanol by dehydrationHydration and hydrogenation. <i>Green Chemistry</i> , 2017 , 19, 1390-1398	10	22
91	Developing a Thermodynamic Model for the Interactions between Water and Cu in the Zeolite SSZ-13. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6160-6169	3.8	23
90	Formation of [Cu2O2]2+ and [Cu2O]2+ toward C-H Bond Activation in Cu-SSZ-13 and Cu-SSZ-39. <i>ACS Catalysis</i> , 2017 , 7, 4291-4303	13.1	144
89	Influence of Tin Loading and Pore Size of Sn/MCM-41 Catalysts on the Synthesis of Nopol. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 6590-6598	3.9	13
88	Influence of Metal Doping on the Lewis Acid Catalyzed Production of Butadiene from Ethanol Studied by using Modulated Operando Diffuse Reflectance Infrared Fourier Transform Spectroscopy and Mass Spectrometry. <i>ChemCatChem</i> , 2017 , 9, 3572-3582	5.2	17
87	New catalytic strategies for diols production from lignocellulosic biomass. <i>Faraday Discussions</i> , 2017 , 202, 247-267	3.6	44
86	Boron and Boron-Containing Catalysts for the Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2017 , 9, 3622-3622	5.2	6
85	Methane upgraded by rhodium. <i>Nature</i> , 2017 , 551, 575-576	50.4	
84	Cobalt Oxide on N-Doped Carbon for 1-Butene Oligomerization to Produce Linear Octenes. <i>ACS Catalysis</i> , 2017 , 7, 7479-7489	13.1	11
83	Olefin conversion on nitrogen-doped carbon-supported cobalt catalyst: Effect of feedstock. <i>Journal of Catalysis</i> , 2017 , 354, 213-222	7.3	12
82	Boron and Boron-Containing Catalysts for the Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2017 , 9, 3623-3626	5.2	70
81	Supported two- and three-dimensional vanadium oxide species on the surface of BiC. <i>Catalysis Science and Technology</i> , 2017 , 7, 3707-3714	5.5	6
80	Oxidations with Nanocatalysis 2017 , 483-502		

79	Developing a Descriptor-Based Approach for CO and NO Adsorption Strength to Transition Metal Sites in Zeolites. <i>Chemistry of Materials</i> , 2017 , 29, 6434-6444	9.6	26
78	Influence of Hydrophilicity on the Sn-Catalyzed Baeyer-Villiger Oxidation of Cyclohexanone with Aqueous Hydrogen Peroxide. <i>ChemCatChem</i> , 2017 , 9, 175-182	5.2	21
77	Identifying Sn Site Heterogeneities Prevalent Among Sn-Beta Zeolites. <i>Helvetica Chimica Acta</i> , 2016 , 99, 916-927	2	32
76	Measurement of intrinsic catalytic activity of Pt monometallic and Pt-MoOx interfacial sites over visible light enhanced PtMoOx/SiO2 catalyst in reverse water gas shift reaction. <i>Journal of Catalysis</i> , 2016 , 344, 784-794	7.3	34
75	Computationally Exploring Confinement Effects in the Methane-to-Methanol Conversion Over Iron-Oxo Centers in Zeolites. <i>ACS Catalysis</i> , 2016 , 6, 8404-8409	13.1	67
74	Elucidation of Anchoring and Restructuring Steps during Synthesis of Silica-Supported Vanadium Oxide Catalysts. <i>Chemistry of Materials</i> , 2016 , 28, 5495-5504	9.6	31
73	Insights into the Complexity of Heterogeneous Liquid-Phase Catalysis: Case Study on the Cyclization of Citronellal. <i>ACS Catalysis</i> , 2016 , 6, 2760-2769	13.1	23
72	The impact of finite temperature on the coordination of Cu cations in the zeolite SSZ-13. <i>Catalysis Today</i> , 2016 , 267, 41-46	5.3	27
71	Selective oxidative dehydrogenation of propane to propene using boron nitride catalysts. <i>Science</i> , 2016 , 354, 1570-1573	33.3	388
70	Production of Linear Octenes from Oligomerization of 1-Butene over Carbon-Supported Cobalt Catalysts. <i>ACS Catalysis</i> , 2016 , 6, 3815-3825	13.1	20
69	Correlating Synthetic Methods, Morphology, Atomic-Level Structure, and Catalytic Activity of Sn-Catalysts. <i>ACS Catalysis</i> , 2016 , 6, 4047-4063	13.1	85
68	Mechanistic Study on the Lewis Acid Catalyzed Synthesis of 1,3-Butadiene over Ta-BEA Using Modulated Operando DRIFTS-MS. <i>ACS Catalysis</i> , 2016 , 6, 6823-6832	13.1	40
67	Improved Supported Metal Oxides for the Oxidative Dehydrogenation of Propane. <i>Topics in Catalysis</i> , 2016 , 59, 1545-1553	2.3	24
66	Overview of Radical Chain Oxidation Chemistry 2016 , 1-14		2
65	One-pot cascade transformation of xylose into γ -valerolactone (GVL) over bifunctional Brønsted-Lewis Zr-Al-beta zeolite. <i>Green Chemistry</i> , 2016 , 18, 5777-5781	10	55
64	Effect of carbon supports on RhRe bifunctional catalysts for selective hydrogenolysis of tetrahydropyran-2-methanol. <i>Catalysis Science and Technology</i> , 2016 , 6, 7841-7851	5.5	20
63	Reverse Water-Gas Shift on Interfacial Sites Formed by Deposition of Oxidized Molybdenum Moieties onto Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10317-25	16.4	72
62	Stabilizing cobalt catalysts for aqueous-phase reactions by strong metal-support interaction. <i>Journal of Catalysis</i> , 2015 , 330, 19-27	7.3	87

61	Insight into the Photocatalytical Activity of TiO ₂ Nanoparticles Through the Electrochemical Characterization of Carbon Paste Electrodes. <i>Electrocatalysis</i> , 2015 , 6, 92-101	2.7	6
60	Silica-Grafted SnIV Catalysts in Hydrogen-Transfer Reactions. <i>ChemCatChem</i> , 2015 , 7, 3270-3278	5.2	22
59	Enhanced Two-Dimensional Dispersion of Group V Metal Oxides on Silica. <i>ACS Catalysis</i> , 2015 , 5, 5787-5793	19.1	64
58	Silica-Grafted SnIV Catalysts in Hydrogen-Transfer Reactions. <i>ChemCatChem</i> , 2015 , 7, 3190-3190	5.2	
57	Verursacht Dynamik das komplexe Infrarotspektrum von NO an Kupfer(II)-Zentren in Zeolithen?. <i>Angewandte Chemie</i> , 2015 , 127, 7910-7915	3.6	2
56	Can Dynamics Be Responsible for the Complex Multipeak Infrared Spectra of NO Adsorbed to Copper(II) Sites in Zeolites?. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7799-804	16.4	29
55	Biomimetic Oxidation with Fe-ZSM-5 and H ₂ O ₂ ? Identification of an Active, Extra-Framework Binuclear Core and an FeIII?OOH Intermediate with Resonance-Enhanced Raman Spectroscopy. <i>ChemCatChem</i> , 2015 , 7, 434-440	5.2	37
54	NMR signatures of the active sites in Sn-zeolite. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10179-83	16.4	132
53	Post-synthetic preparation of Sn-, Ti- and Zr-beta: a facile route to water tolerant, highly active Lewis acidic zeolites. <i>Dalton Transactions</i> , 2014 , 43, 4514-9	4.3	90
52	Combined 1,4-butanediol lactonization and transfer hydrogenation/hydrogenolysis of furfural-derivatives under continuous flow conditions. <i>Catalysis Science and Technology</i> , 2014 , 4, 2326-2331	5.5	44
51	Formation Mechanism of Alkyl Nitrites, Valuable Intermediates in C1-Upgrading Chemistry and Oxidation Processes. <i>Topics in Catalysis</i> , 2014 , 57, 1256-1264	2.3	4
50	NMR Signatures of the Active Sites in Sn-zeolite. <i>Angewandte Chemie</i> , 2014 , 126, 10343-10347	3.6	36
49	Catalytic transfer hydrogenation/hydrogenolysis for reductive upgrading of furfural and 5-(hydroxymethyl)furfural. <i>ChemSusChem</i> , 2014 , 7, 268-75	8.3	245
48	Insights into the oxidative dehydrogenation of amines with nanoparticulate iridium oxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 13193-8	4.8	21
47	Einblicke in den Cobalt(II)-katalysierten Abbau von Peroxiden. <i>Angewandte Chemie</i> , 2013 , 125, 1622-1626	6.6	13
46	Insights into the cobalt(II)-catalyzed decomposition of peroxide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1581-5	16.4	68
45	Formation mechanism of Cu ₂ ZnSnSe ₄ absorber layers during selenization of solution deposited metal precursors. <i>Journal of Alloys and Compounds</i> , 2013 , 567, 102-106	5.7	42
44	Hydrogen Transfer Processes Mediated by Supported Iridium Oxide Nanoparticles. <i>ChemCatChem</i> , 2013 , 5, 2983-2990	5.2	22

43	Intensification of TEMPO-mediated aerobic alcohol oxidations under three-phase flow conditions. <i>Green Chemistry</i> , 2013 , 15, 1975	10	60
42	Thermal restructuring of silica-grafted -CrO ₂ Cl and -VOCl ₂ species. <i>Dalton Transactions</i> , 2013 , 42, 12725-33	4.3	19
41	Nanoparticulate Tungsten Oxide for Catalytic Epoxidations. <i>ACS Catalysis</i> , 2013 , 3, 321-327	13.1	37
40	Thermal restructuring of silica-grafted TiCl(x) species and consequences for epoxidation catalysis. <i>Chemistry - A European Journal</i> , 2013 , 19, 9849-58	4.8	21
39	Molecule-induced peroxide homolysis. <i>ChemPhysChem</i> , 2013 , 14, 1666-9	3.2	16
38	Thermal and catalytic formation of radicals during autoxidation. <i>Journal of Catalysis</i> , 2012 , 287, 1-4	7.3	30
37	Mechanistic Insights into the Kinetic and Regiochemical Control of the Thiol-Promoted Catalytic Synthesis of Diphenolic Acid. <i>ACS Catalysis</i> , 2012 , 2, 2700-2704	13.1	31
36	Oxidative methane upgrading. <i>ChemSusChem</i> , 2012 , 5, 1668-86	8.3	220
35	Einfache und skalierbare Synthese von hochaktivem Lewis-saurem Sn-IV. <i>Angewandte Chemie</i> , 2012 , 124, 11906-11909	3.6	30
34	Simple and scalable preparation of highly active Lewis acidic Sn-IV. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11736-9	16.4	238
33	Metal-free aerobic alcohol oxidation: intensification under three-phase flow conditions. <i>ChemSusChem</i> , 2012 , 5, 1732-6	8.3	8
32	Developments in the Aerobic Oxidation of Amines. <i>ACS Catalysis</i> , 2012 , 2, 1108-1117	13.1	201
31	Origin of regioselectivity in Humulene functionalization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2865-9	4.2	18
30	Acid-Catalyzed Decomposition of the Benzyl Nitrite Intermediate in HNO ₃ -Mediated Aerobic Oxidation of Benzyl Alcohol. <i>ChemCatChem</i> , 2012 , 4, 525-529	5.2	22
29	Continuous D-fructose dehydration to 5- hydroxymethylfurfural under mild conditions. <i>ChemSusChem</i> , 2012 , 5, 1737-42	8.3	85
28	The conformations of cyclooctene: consequences for epoxidation chemistry. <i>Journal of Organic Chemistry</i> , 2011 , 76, 10236-40	4.2	41
27	Peculiarities of Pinene autoxidation. <i>ChemSusChem</i> , 2011 , 4, 1613-21	8.3	31
26	Aerobic alcohol oxidations mediated by nitric acid. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12355-60	16.4	63

25	Understanding selective oxidations. <i>Chimia</i> , 2010 , 64, 225-30	1.3	14
24	Autoxidation of alpha-pinene at high oxygen pressure. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10542-9	3.6	28
23	Mechanism of the catalytic deperoxidation of tert-butylhydroperoxide with cobalt(II) acetylacetonate. <i>Chemistry - A European Journal</i> , 2010 , 16, 13226-35	4.8	60
22	Selective Oxidation Catalysis: Opportunities and Challenges. <i>Topics in Catalysis</i> , 2009 , 52, 1162-1174	2.3	109
21	Pronounced non-Arrhenius behaviour of hydrogen-abstractions from toluene and derivatives by phthalimide-N-oxyl radicals: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1125-32	3.6	29
20	Autoxidation Chemistry: Bridging the Gap Between Homogeneous Radical Chemistry and (Heterogeneous) Catalysis. <i>Topics in Catalysis</i> , 2008 , 48, 41-48	2.3	34
19	Autoxidation of Hydrocarbons: From Chemistry to Catalysis. <i>Topics in Catalysis</i> , 2008 , 50, 124-132	2.3	86
18	Brassicaceae seed oil identified as illuminant in Nilotic shells from a first millennium AD Coptic church in Bawit, Egypt. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 783-93	4.4	26
17	Origin of byproducts during the catalytic autoxidation of cyclohexane. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1747-53	2.8	26
16	Silica-supported chromium oxide: colloids as building blocks. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 5382-6	3.6	7
15	Diazo chemistry controlling the selectivity of olefin ketonisation by nitrous oxide. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 4269-74	3.6	26
14	The formation of byproducts in the autoxidation of cyclohexane. <i>Chemistry - A European Journal</i> , 2007 , 13, 754-61	4.8	68
13	Solvent- and Metal-Free Ketonization of Fatty Acid Methyl Esters and Triacylglycerols with Nitrous Oxide. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 1604-1608	5.6	28
12	Mechanism of thermal toluene autoxidation. <i>ChemPhysChem</i> , 2007 , 8, 2678-88	3.2	51
11	Silica-immobilized N-hydroxyphthalimide: An efficient heterogeneous autoxidation catalyst. <i>Journal of Catalysis</i> , 2007 , 251, 204-212	7.3	52
10	Autoxidation of ethylbenzene: the mechanism elucidated. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3057-64	4.2	83
9	Autoxidation catalysis with N-hydroxyimides: more-reactive radicals or just more radicals?. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 686-90	3.6	52
8	To the core of autocatalysis in cyclohexane autoxidation. <i>Chemistry - A European Journal</i> , 2006 , 12, 4229-48	4.8	127

7	Silica-immobilized chromium colloids for cyclohexane autoxidation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7584-8	16.4	26
6	Enhanced activity and selectivity in cyclohexane autoxidation by inert H-bond acceptor catalysts. <i>ChemPhysChem</i> , 2006 , 7, 1142-8	3.2	19
5	Understanding the autoxidation of hydrocarbons at the molecular level and consequences for catalysis. <i>Journal of Molecular Catalysis A</i> , 2006 , 251, 221-228		80
4	Kinetics of alpha-hydroxy-alkylperoxyl radicals in oxidation processes. HO ₂ *-initiated oxidation of ketones/aldehydes near the tropopause. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 4303-11	2.8	81
3	Autoxidation of cyclohexane: conventional views challenged by theory and experiment. <i>ChemPhysChem</i> , 2005 , 6, 637-45	3.2	106
2	Tropopause chemistry revisited: HO ₂ *-initiated oxidation as an efficient acetone sink. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9908-9	16.4	34
1	Identifying hydroxylated copper dimers in SSZ-13 via UV-vis spectroscopy. <i>Catalysis Science and Technology</i> ,	5.5	0