

Ive Hermans

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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	Selective oxidative dehydrogenation of propane to propene using boron nitride catalysts. <i>Science</i> , 2016 , 354, 1570-1573	33.3	388
131	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
130	Catalytic transfer hydrogenation/hydrogenolysis for reductive upgrading of furfural and 5-(hydroxymethyl)furfural. <i>ChemSusChem</i> , 2014 , 7, 268-75	8.3	245
129	Simple and scalable preparation of highly active Lewis acidic Sn- β . <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11736-9	16.4	238
128	Oxidative methane upgrading. <i>ChemSusChem</i> , 2012 , 5, 1668-86	8.3	220
127	Developments in the Aerobic Oxidation of Amines. <i>ACS Catalysis</i> , 2012 , 2, 1108-1117	13.1	201
126	Aerobic Oxidations of Light Alkanes over Solid Metal Oxide Catalysts. <i>Chemical Reviews</i> , 2018 , 118, 2769-2815	28.15	150
125	Formation of [Cu ₂ O ₂] ²⁺ and [Cu ₂ O] 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
124	NMR signatures of the active sites in Sn- β zeolite. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10179-83	16.4	132
123	To the core of autocatalysis in cyclohexane autoxidation. <i>Chemistry - A European Journal</i> , 2006 , 12, 4229-48	4.8	127
122	Selective Oxidation Catalysis: Opportunities and Challenges. <i>Topics in Catalysis</i> , 2009 , 52, 1162-1174	2.3	109
121	Autoxidation of cyclohexane: conventional views challenged by theory and experiment. <i>ChemPhysChem</i> , 2005 , 6, 637-45	3.2	106
120	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
119	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
118	Stabilizing cobalt catalysts for aqueous-phase reactions by strong metal-support interaction. <i>Journal of Catalysis</i> , 2015 , 330, 19-27	7.3	87
117	Autoxidation of Hydrocarbons: From Chemistry to Catalysis. <i>Topics in Catalysis</i> , 2008 , 50, 124-132	2.3	86
116	Continuous D-fructose dehydration to 5- hydroxymethylfurfural under mild conditions. <i>ChemSusChem</i> , 2012 , 5, 1737-42	8.3	85

115	Correlating Synthetic Methods, Morphology, Atomic-Level Structure, and Catalytic Activity of Sn-□ Catalysts. <i>ACS Catalysis</i> , 2016 , 6, 4047-4063	13.1	85
114	Autoxidation of ethylbenzene: the mechanism elucidated. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3057-642	4.2	83
113	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
112	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
111	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
110	Boron and Boron-Containing Catalysts for the Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2017 , 9, 3623-3626	5.2	70
109	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
108	Insights into the cobalt(II)-catalyzed decomposition of peroxide. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1581-5	16.4	68
107	The Formation of byproducts in the autoxidation of cyclohexane. <i>Chemistry - A European Journal</i> , 2007 , 13, 754-61	4.8	68
106	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
105	Applications of Modulation Excitation Spectroscopy in Heterogeneous Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1123-1136	3.9	64
104	Enhanced Two-Dimensional Dispersion of Group V Metal Oxides on Silica. <i>ACS Catalysis</i> , 2015 , 5, 5787-5793	3.1	64
103	Selective Oxidation of n-Butane and Isobutane Catalyzed by Boron Nitride. <i>ChemCatChem</i> , 2017 , 9, 2118-2127	5.2	63
102	Aerobic alcohol oxidations mediated by nitric acid. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12355-60	16.4	63
101	Intensification of TEMPO-mediated aerobic alcohol oxidations under three-phase flow conditions. <i>Green Chemistry</i> , 2013 , 15, 1975	10	60
100	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
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	One-pot cascade transformation of xylose into Valerolactone (GVL) over bifunctional Brønsted-Lewis ZrAl-beta zeolite. <i>Green Chemistry</i> , 2016 , 18, 5777-5781	10	55

97	Silica-immobilized N-hydroxyphthalimide: An efficient heterogeneous autoxidation catalyst. <i>Journal of Catalysis</i> , 2007 , 251, 204-212	7.3	52
96	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
95	Mechanism of thermal toluene autoxidation. <i>ChemPhysChem</i> , 2007 , 8, 2678-88	3.2	51
94	New catalytic strategies for diols production from lignocellulosic biomass. <i>Faraday Discussions</i> , 2017 , 202, 247-267	3.6	44
93	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
92	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
91	The conformations of cyclooctene: consequences for epoxidation chemistry. <i>Journal of Organic Chemistry</i> , 2011 , 76, 10236-40	4.2	41
90	The Use of Heterogeneous Catalysis in the Chemical Valorization of Plastic Waste. <i>ChemSusChem</i> , 2020 , 13, 5808-5836	8.3	41
89	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
88	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
87	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
86	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
85	Biomimetic Oxidation with Fe-ZSM-5 and H ₂ O ₂ ? Identification of an Active, Extra-Framework Binuclear Core and an Fe(II)-OOH Intermediate with Resonance-Enhanced Raman Spectroscopy. <i>ChemCatChem</i> , 2015 , 7, 434-440	5.2	37
84	Nanoparticulate Tungsten Oxide for Catalytic Epoxidations. <i>ACS Catalysis</i> , 2013 , 3, 321-327	13.1	37
83	NMR Signatures of the Active Sites in Sn-Zeolite. <i>Angewandte Chemie</i> , 2014 , 126, 10343-10347	3.6	36
82	Measurement of intrinsic catalytic activity of Pt monometallic and Pt-MoO _x interfacial sites over visible light enhanced PtMoO _x /SiO ₂ catalyst in reverse water gas shift reaction. <i>Journal of Catalysis</i> , 2016 , 344, 784-794	7.3	34
81	Autoxidation Chemistry: Bridging the Gap Between Homogeneous Radical Chemistry and (Heterogeneous) Catalysis. <i>Topics in Catalysis</i> , 2008 , 48, 41-48	2.3	34
80	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

79	B-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6546-6550	16.4	33
78	Identifying Sn Site Heterogeneities Prevalent Among Sn-Beta Zeolites. <i>Helvetica Chimica Acta</i> , 2016 , 99, 916-927	2	32
77	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
76	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
75	Peculiarities of Epinene autoxidation. <i>ChemSusChem</i> , 2011 , 4, 1613-21	8.3	31
74	Thermal and catalytic formation of radicals during autoxidation. <i>Journal of Catalysis</i> , 2012 , 287, 1-4	7.3	30
73	Einfache und skalierbare Synthese von hochaktivem Lewis-saurem Sn-□ <i>Angewandte Chemie</i> , 2012 , 124, 11906-11909	3.6	30
72	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
71	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
70	Autoxidation of alpha-pinene at high oxygen pressure. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 10542-9	3.6	28
69	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
68	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
67	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
66	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
65	Diazo chemistry controlling the selectivity of olefin ketonisation by nitrous oxide. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 4269-74	3.6	26
64	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
63	Origin of byproducts during the catalytic autoxidation of cyclohexane. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1747-53	2.8	26
62	Silica-immobilized chromium colloids for cyclohexane autoxidation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7584-8	16.4	26

61	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
60	Improved Supported Metal Oxides for the Oxidative Dehydrogenation of Propane. <i>Topics in Catalysis</i> , 2016 , 59, 1545-1553	2.3	24
59	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
58	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
57	Production of 1,6-hexanediol from tetrahydropyran-2-methanol by dehydrationHydration and hydrogenation. <i>Green Chemistry</i> , 2017 , 19, 1390-1398	10	22
56	Silica-Grafted SnIV Catalysts in Hydrogen-Transfer Reactions. <i>ChemCatChem</i> , 2015 , 7, 3270-3278	5.2	22
55	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
54	Hydrogen Transfer Processes Mediated by Supported Iridium Oxide Nanoparticles. <i>ChemCatChem</i> , 2013 , 5, 2983-2990	5.2	22
53	Synthesis Gas Conversion over Rh/Mo Catalysts Prepared by Atomic Layer Deposition. <i>ACS Catalysis</i> , 2019 , 9, 1810-1819	13.1	22
52	Insights into the oxidative dehydrogenation of amines with nanoparticulate iridium oxide. <i>Chemistry - A European Journal</i> , 2013 , 19, 13193-8	4.8	21
51	Influence of Hydrophilicity on the Sn ^{II} -Catalyzed Baeyer-Villiger Oxidation of Cyclohexanone with Aqueous Hydrogen Peroxide. <i>ChemCatChem</i> , 2017 , 9, 175-182	5.2	21
50	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
49	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
48	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
47	Thermal restructuring of silica-grafted -CrO ₂ Cl and -VOCl ₂ species. <i>Dalton Transactions</i> , 2013 , 42, 12725-33	4.3	19
46	Enhanced activity and selectivity in cyclohexane autoxidation by inert H-bond acceptor catalysts. <i>ChemPhysChem</i> , 2006 , 7, 1142-8	3.2	19
45	Origin of regioselectivity in Humulene functionalization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2865-9	4.2	18
44	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

43	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
42	Molecule-induced peroxide homolysis. <i>ChemPhysChem</i> , 2013 , 14, 1666-9	3.2	16
41	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
40	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
39	Understanding selective oxidations. <i>Chimia</i> , 2010 , 64, 225-30	1.3	14
38	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
37	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
36	Einblicke in den Cobalt(II)-katalysierten Abbau von Peroxiden. <i>Angewandte Chemie</i> , 2013 , 125, 1622-1626	6.6	13
35	Olefin conversion on nitrogen-doped carbon-supported cobalt catalyst: Effect of feedstock. <i>Journal of Catalysis</i> , 2017 , 354, 213-222	7.3	12
34	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
33	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
32	UV-Vis 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
31	Synthesis Gas Conversion Over Molybdenum-Based Catalysts Promoted by Transition Metals. <i>ACS Catalysis</i> , 2020 , 10, 365-374	13.1	9
30	B-MWW Zeolite: The Case Against Single-Site Catalysis. <i>Angewandte Chemie</i> , 2020 , 132, 6608-6612	3.6	8
29	Metal-free aerobic alcohol oxidation: intensification under three-phase flow conditions. <i>ChemSusChem</i> , 2012 , 5, 1732-6	8.3	8
28	Silica-supported chromium oxide: colloids as building blocks. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 5382-6	3.6	7
27	Highly Selective Carbon-Supported Boron for Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2021 , 13, 3611-3618	5.2	7
26	Boron and Boron-Containing Catalysts for the Oxidative Dehydrogenation of Propane. <i>ChemCatChem</i> , 2017 , 9, 3622-3622	5.2	6

25	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
24	Supported two- and three-dimensional vanadium oxide species on the surface of ESiC. <i>Catalysis Science and Technology</i> , 2017 , 7, 3707-3714	5.5	6
23	Understanding the Synthesis of Supported Vanadium Oxide Catalysts Using Chemical Grafting. <i>Chemistry - A European Journal</i> , 2020 , 26, 1052-1063	4.8	6
22	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
21	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
20	Oligomerization of 1-butene over carbon-supported CoO _x and subsequent isomerization/hydroformylation to n-nonanal. <i>Catalysis Communications</i> , 2018 , 114, 93-97	3.2	6
19	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
18	Computational description of key spectroscopic features of zeolite SSZ-13. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 19065-19075	3.6	5
17	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
16	Rates of levoglucosanol 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
15	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
14	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
13	Insights into Ethanol Coupling over Hydroxyapatite using Modulation Excitation Operando Infrared Spectroscopy. <i>ChemCatChem</i> , 2020 , 12, 4167-4175	5.2	3
12	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
11	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	3
10	Verursacht Dynamik das komplexe Infrarotspektrum von NO an Kupfer(II)-Zentren in Zeolithen?. <i>Angewandte Chemie</i> , 2015 , 127, 7910-7915	3.6	2
9	Overview of Radical Chain Oxidation Chemistry 2016 , 1-14		2
8	In-situ IR Spectroscopy Study of Reactions of C ₃ 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

7	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
6	Optical encoding of luminescent carbon nanodots in confined spaces. <i>Chemical Communications</i> , 2021 , 57, 11952-11955	5.8	1
5	Kinetics of the Ag/KNO ₃ /CaCO ₃ Catalyzed Aerobic Propylene Epoxidation and Effects of CO ₂ . <i>ChemCatChem</i> , 2020 , 12, 2522-2532	5.2	0
4	Identifying hydroxylated copper dimers in SSZ-13 via UV-vis spectroscopy. <i>Catalysis Science and Technology</i> ,	5.5	0
3	Methane upgraded by rhodium. <i>Nature</i> , 2017 , 551, 575-576	50.4	
2	Oxidations with Nanocatalysis 2017 , 483-502		
1	Silica-Grafted SnIV Catalysts in Hydrogen-Transfer Reactions. <i>ChemCatChem</i> , 2015 , 7, 3190-3190	5.2	