J Will Medlin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8332021/publications.pdf

Version: 2024-02-01

136	6,087	71061	79644
papers	citations	41	73
		h-index	g-index

138	138	138	6482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bifunctional Catalysts for Upgrading of Biomass-Derived Oxygenates: A Review. ACS Catalysis, 2016, 6, 5026-5043.	5.5	372
2	Controlled selectivity for palladium catalysts using self-assembled monolayers. Nature Materials, 2010, 9, 853-858.	13.3	358
3	Controlling the Surface Environment of Heterogeneous Catalysts Using Self-Assembled Monolayers. Accounts of Chemical Research, 2014, 47, 1438-1445.	7.6	262
4	Control of Metal Catalyst Selectivity through Specific Noncovalent Molecular Interactions. Journal of the American Chemical Society, 2014, 136, 520-526.	6.6	246
5	Scaling relations between adsorption energies for computational screening and design of catalysts. Catalysis Science and Technology, 2014, 4, 3748-3761.	2.1	225
6	Directing reaction pathways by catalyst active-site selection using self-assembled monolayers. Nature Communications, 2013, 4, 2448.	5.8	180
7	Organic Thiol Modified Pt/TiO₂ Catalysts to Control Chemoselective Hydrogenation of Substituted Nitroarenes. ACS Catalysis, 2012, 2, 2079-2081.	5.5	159
8	Stabilizing Ni Catalysts by Molecular Layer Deposition for Harsh, Dry Reforming Conditions. ACS Catalysis, 2014, 4, 2714-2717.	5.5	150
9	Adsorption and Reaction of Furfural and Furfuryl Alcohol on Pd(111): Unique Reaction Pathways for Multifunctional Reagents. ACS Catalysis, 2011, 1, 1272-1283.	5.5	145
10	Theoretical Study of the Adsorption and Dissociation of Oxygen on Pt(111) in the Presence of Homogeneous Electric Fields. Journal of Physical Chemistry B, 2005, 109, 6304-6310.	1.2	127
11	Effects of Electronic Structure Modifications on the Adsorption of Oxygen Reduction Reaction Intermediates on Model Pt(111)-Alloy Surfaces. Journal of Physical Chemistry C, 2007, 111, 17052-17060.	1.5	127
12	Enhanced Hydrodeoxygenation of m-Cresol over Bimetallic Ptâ€“Mo Catalysts through an Oxophilic Metal-Induced Tautomerization Pathway. ACS Catalysis, 2016, 6, 4356-4368.	5.5	117
13	Theoretical Study of the Adsorption of Acetylene on the (111) Surfaces of Pd, Pt, Ni, and Rh. Journal of Physical Chemistry B, 2003, 107, 217-223.	1.2	107
14	Effects of Thiol Modifiers on the Kinetics of Furfural Hydrogenation over Pd Catalysts. ACS Catalysis, 2014, 4, 3123-3131.	5.5	106
15	Understanding and Controlling Reactivity of Unsaturated Oxygenates and Polyols on Metal Catalysts. ACS Catalysis, 2011, 1, 1284-1297.	5.5	101
16	Mechanistic Study of the Electrochemical Oxygen Reduction Reaction on Pt(111) Using Density Functional Theory. Journal of Physical Chemistry B, 2006, 110, 15338-15344.	1.2	91
17	Enhanced dry reforming of methane on Ni and Ni-Pt catalysts synthesized by atomic layer deposition. Applied Catalysis A: General, 2015, 492, 107-116.	2.2	89
18	Elucidating Acidic Electro-Oxidation Pathways of Furfural on Platinum. ACS Catalysis, 2019, 9, 10305-10316.	5.5	85

#	Article	IF	Citations
19	The selective oxidation of ethylene glycol and 1,2-propanediol on Au, Pd, and Auâ€“Pd bimetallic catalysts. Journal of Catalysis, 2013, 307, 111-120.	3.1	82
20	Effect of water on formic acid photocatalytic decomposition on TiO2 and Pt/TiO2. Journal of Catalysis, 2010, 275, 294-299.	3.1	77
21	Control of interfacial acidâ€“metal catalysis with organic monolayers. Nature Catalysis, 2018, 1, 148-155.	16.1	74
22	Synthesis of supported Ni catalysts by atomic layer deposition. Journal of Catalysis, 2013, 303, 9-15.	3.1	69
23	Catalyst design using an inverse strategy: From mechanistic studies on inverted model catalysts to applications of oxide-coated metal nanoparticles. Surface Science Reports, 2018, 73, 117-152.	3.8	68
24	A density functional theory study of H2S decomposition on the (111) surfaces of model Pd-alloys. Surface Science, 2007, 601, 5382-5393.	0.8	65
25	Multicomponent Catalysts: Limitations and Prospects. ACS Catalysis, 2018, 8, 3202-3208.	5.5	64
26	Effect of Surface Hydrophobicity of Pd/Al₂O₃ on Vanillin Hydrodeoxygenation in a Water/Oil System. ACS Catalysis, 2018, 8, 11165-11173.	5.5	63
27	Directing Reaction Pathways through Controlled Reactant Binding at Pdâ€“TiO₂ Interfaces. Angewandte Chemie - International Edition, 2017, 56, 6594-6598.	7.2	60
28	Controlling Nanoscale Properties of Supported Platinum Catalysts through Atomic Layer Deposition. ACS Catalysis, 2015, 5, 1344-1352.	5.5	59
29	Selective Hydrogenation of Polyunsaturated Fatty Acids Using Alkanethiol Self-Assembled Monolayer-Coated Pd/Al₂O₃ Catalysts. ACS Catalysis, 2013, 3, 2041-2044.	5.5	58
30	Controlling surface crowding on a Pd catalyst with thiolate self-assembled monolayers. Journal of Catalysis, 2013, 303, 92-99.	3.1	58
31	Synergistic Effects of Alloying and Thiolate Modification in Furfural Hydrogenation over Cu-Based Catalysts. Journal of Physical Chemistry Letters, 2014, 5, 4110-4114.	2.1	56
32	A Unified Picture of Adsorption on Transition Metals through Different Atoms. Journal of the American Chemical Society, 2014, 136, 9272-9275.	6.6	55
33	Oxametallacycle formation via ring-opening of 1-epoxy-3-butene on Ag(110): a combined experimental/theoretical approach. Journal of Molecular Catalysis A, 2000, 163, 129-145.	4.8	54
34	Adsorption Orientation-Induced Selectivity Control of Reactions of Benzyl Alcohol on Pd(111). Journal of Physical Chemistry C, 2012, 116, 13654-13660.	1.5	54
35	Effect of water on the adsorbed structure of formic acid on TiO2 anatase (101). Journal of Catalysis, 2011, 278, 321-328.	3.1	53
36	The Formation of Epoxides from Reactions of Oxametallacycles on Ag(110):Â A Density Functional Theory Study. Journal of Physical Chemistry B, 2001, 105, 10054-10061.	1.2	50

#	Article	IF	Citations
37	On the Reaction Mechanism of Direct H₂O₂ Formation over Pd Catalysts. ACS Catalysis, 2021, 11, 2735-2745.	5.5	50
38	Synthesis of Oxametallacycles from 2-Iodoethanol on Ag(111) and the Structure Dependence of Their Reactivity. Langmuir, 2002, 18, 5197-5204.	1.6	48
39	Promotion of Activity and Selectivity by Alkanethiol Monolayers for Pd-Catalyzed Benzyl Alcohol Hydrodeoxygenation. Journal of Physical Chemistry C, 2014, 118, 23783-23789.	1.5	46
40	Surface-level mechanistic studies of adsorbateâ€“adsorbate interactions in heterogeneous catalysis by metals. Surface Science Reports, 2011, 66, 173-184.	3.8	45
41	Control of Molecular Bonding Strength on Metal Catalysts with Organic Monolayers for CO₂ Reduction. Journal of the American Chemical Society, 2020, 142, 5184-5193.	6.6	45
42	Catalyst Site Selection via Control over Noncovalent Interactions in Self-Assembled Monolayers. ACS Catalysis, 2016, 6, 5086-5094.	5.5	44
43	Effects of Water and Formic Acid Adsorption on the Electronic Structure of Anatase TiO₂(101). Journal of Physical Chemistry C, 2011, 115, 2738-2749.	1.5	41
44	Theoretical and experimental studies of Agâ€“Pt interactions for supported Agâ€“Pt bimetallic catalysts. Surface Science, 2009, 603, 690-696.	0.8	40
45	Deuterium Kinetic Isotope Effects in Butadiene Epoxidation over Unpromoted and Cs-Promoted Silver Catalysts. Journal of Catalysis, 2001, 204, 71-76.	3.1	39
46	Tunable Catalytic Performance of Palladium Nanoparticles for H₂O₂ Direct Synthesis via Surface-Bound Ligands. ACS Catalysis, 2020, 10, 5202-5207.	5.5	39
47	Control of Pd catalyst selectivity with mixed thiolate monolayers. Journal of Catalysis, 2016, 339, 38-46.	3.1	38
48	Surface Chemistry of Aromatic Reactants on Pt- and Mo-Modified Pt Catalysts. Journal of Physical Chemistry C, 2016, 120, 26824-26833.	1.5	38
49	Use of Oxygen-18 to Determine Kinetics of Butadiene Epoxidation over Cs-Promoted, Ag Catalysts. Journal of Catalysis, 2001, 203, 362-368.	3.1	37
50	Controlling Catalytic Selectivity via Adsorbate Orientation on the Surface: From Furfural Deoxygenation to Reactions of Epoxides. Journal of Physical Chemistry Letters, 2015, 6, 1348-1356.	2.1	37
51	The adsorption and reaction of ethylene glycol and 1,2-propanediol on Pd(111): A TPD and HREELS study. Surface Science, 2010, 604, 1558-1564.	0.8	36
52	Site-Specific Scaling Relations for Hydrocarbon Adsorption on Hexagonal Transition Metal Surfaces. Journal of Physical Chemistry C, 2013, 117, 20078-20088.	1.5	36
53	Predicting and Comparing Câ€“M and Oâ€“M Bond Strengths for Adsorption on Transition Metal Surfaces. Journal of Physical Chemistry C, 2014, 118, 2666-2672.	1.5	36
54	Enhanced Hydrothermal Stability of Î³-Al₂O₃ Catalyst Supports with Alkyl Phosphonate Coatings. Langmuir, 2018, 34, 3619-3625.	1.6	35

#	Article	IF	Citations
55	Benzyl Alcohol Oxidation on Pd(111): Aromatic Binding Effects on Alcohol Reactivity. Langmuir, 2014, 30, 4642-4653.	1.6	34
56	Phosphonic acid promotion of supported Pd catalysts for low temperature vanillin hydrodeoxygenation in ethanol. Applied Catalysis A: General, 2018, 561, 1-6.	2.2	34
57	Understanding the Surface Reactivity of Ligand-Protected Metal Nanoparticles for Biomass Upgrading. ACS Catalysis, 2020, 10, 5462-5474.	5.5	32
58	Stabilities of Substituted Oxametallacycle Intermediates:Â Implications for Regioselectivity of Epoxide Ring Opening and Olefin Epoxidation. Journal of Physical Chemistry B, 1999, 103, 11169-11175.	1.2	30
59	Controlling the Surface Reactivity of Titania via Electronic Tuning of Self-Assembled Monolayers. ACS Catalysis, 2017, 7, 8351-8357.	5.5	30
60	Electro-oxidation of furfural on gold is limited by furoate self-assembly. Journal of Catalysis, 2020, 391, 327-335.	3.1	30
61	Adsorption of Oxygenates on Alkanethiol-Functionalized Pd(111) Surfaces: Mechanistic Insights into the Role of Self-Assembled Monolayers on Catalysis. Langmuir, 2011, 27, 6731-6737.	1.6	28
62	Controlling Catalyst-Phase Selectivity in Complex Mixtures with Amphiphilic Janus Particles. ACS Applied Materials & Interfaces, 2020, 12, 2338-2345.	4.0	28
63	Enhancing Au/TiO₂ Catalyst Thermostability and Coking Resistance with Alkyl Phosphonic-Acid Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2019, 11, 41289-41296.	4.0	26
64	Phosphonic acid modifiers for enhancing selective hydrodeoxygenation over Pt catalysts: The role of the catalyst support. Journal of Catalysis, 2019, 372, 311-320.	3.1	26
65	Adsorption and Reaction of 1-Epoxy-3-butene on Pt(111): Implications for Heterogeneous Catalysis of Unsaturated Oxygenates. Journal of the American Chemical Society, 2008, 130, 5507-5514.	6.6	25
66	An experimental approach for controlling confinement effects at catalyst interfaces. Chemical Science, 2020, 11, 11024-11029.	3.7	24
67	Experimental and Theoretical Probes of the Structure of Oxametallacycle Intermediates Derived from 1-Epoxy-3-butene on Ag(110). Journal of Physical Chemistry B, 2001, 105, 3769-3775.	1.2	23
68	A theoretical study of the influence of dopant concentration on the hydration properties of yttrium-doped barium cerate. Solid State Ionics, 2011, 204-205, 27-34.	1.3	23
69	The response of palladium metal-insulator-semiconductor devices to hydrogenâ€“oxygen mixtures: comparisons between kinetic models and experiment. Sensors and Actuators B: Chemical, 2003, 96, 290-297.	4.0	22
70	Common Decomposition Pathways of 1-Epoxy-3-butene and 2-Butenal on Pd(111). Journal of Physical Chemistry C, 2008, 112, 20406-20412.	1.5	22
71	O H versus C H bond scission sequence in ethanol decomposition on Pd(111). Surface Science, 2014, 619, 114-118.	0.8	22
72	Stability of self-assembled monolayer coated Pt/Al2O3 catalysts for liquid phase hydrogenation. Journal of Molecular Catalysis A, 2015, 396, 188-195.	4.8	22

#	Article	IF	Citations
73	Directing Reaction Pathways through Controlled Reactant Binding at Pdâ€“TiO 2 Interfaces. Angewandte Chemie, 2017, 129, 6694-6698.	1.6	22
74	Enhancing Cooperativity in Bifunctional Acidâ€“Pd Catalysts with Carboxylic Acid-Functionalized Organic Monolayers. Journal of Physical Chemistry C, 2018, 122, 6637-6647.	1.5	22
75	Adsorption and decomposition of SiH4 on Pd(111). Surface Science, 2008, 602, 693-701.	0.8	20
76	Ring-Opening and Oxidation Pathways of Furanic Oxygenates on Oxygen-Precovered Pd(111). Journal of Physical Chemistry C, 2014, 118, 27933-27943.	1.5	20
77	Hydrocarbon adsorption in an aqueous environment: A computational study of alkyls on Cu(111). Journal of Chemical Physics, 2016, 145, 074702.	1.2	20
78	Experimental and computational investigations of sulfur-resistant bimetallic catalysts for reforming of biomass gasification products. Journal of Catalysis, 2011, 282, 249-257.	3.1	19
79	Liquid- and vapor-phase hydrogenation of 1-epoxy-3-butene using self-assembled monolayer coated palladium and platinum catalysts. Applied Catalysis A: General, 2012, 445-446, 102-106.	2.2	19
80	Computational investigation of defect segregation at the (001) surface of BaCeO3 and BaZrO3: the role of metalâ€“oxygen bond strength in controlling vacancy segregation. Journal of Materials Chemistry A, 2013, 1, 2840.	5.2	18
81	Effects of Phosphonic Acid Monolayers on the Dehydration Mechanism of Aliphatic Alcohols on TiO₂. ACS Catalysis, 2019, 9, 7808-7816.	5.5	18
82	Reaction paths for hydrodeoxygenation of furfuryl alcohol at TiO2/Pd interfaces. Journal of Catalysis, 2019, 377, 28-40.	3.1	17
83	Effects of a polyimide coating on the hydrogen selectivity of MIS sensors. Sensors and Actuators B: Chemical, 2006, 115, 86-92.	4.0	16
84	NiW and NiRu Bimetallic Catalysts for Ethylene Steam Reforming: Alternative Mechanisms for Sulfur Resistance. Catalysis Letters, 2012, 142, 718-727.	1.4	16
85	Hydrogenation of Cinnamaldehyde over Pd/Al2O3 Catalysts Modified with Thiol Monolayers. Topics in Catalysis, 2014, 57, 1505-1511.	1.3	16
86	Thermal Activation of tert-Butyl Nitrite on Pt(111):â€‰ tert-Butoxy Dehydrogenation and Oxametallacycle Formation. Langmuir, 2001, 17, 798-806.	1.6	15
87	Effects of competitive carbon monoxide adsorption on the hydrogen response of metalâ€“insulatorâ€“semiconductor sensors: the role of metal film morphology. Journal of Applied Physics, 2003, 93, 2267-2274.	1.1	15
88	Selective acetylene detection through surface modification of metalâ€“insulatorâ€“semiconductor sensors with alkanethiolate monolayers. Sensors and Actuators B: Chemical, 2009, 136, 315-319.	4.0	15
89	Experimental and modeling studies of acetylene detection in hydrogen/acetylene mixtures on PdM bimetallic metalâ€“insulatorâ€“semiconductor devices. Sensors and Actuators B: Chemical, 2011, 156, 924-931.	4.0	15
90	Effects of metal oxide surface doping with phosphonic acid monolayers on alcohol dehydration activity and selectivity. Applied Catalysis A: General, 2019, 571, 102-106.	2.2	15

#	Article	IF	Citations
91	Pretreatment Effects on the Surface Chemistry of Small Oxygenates on Molybdenum Trioxide. ACS Catalysis, 2020, 10, 8187-8200.	5.5	15
92	Adsorption and reaction of SiH4 and oxygen on Pd(111). Surface Science, 2008, 602, 786-794.	0.8	14
93	Interactions of Hydrogen, CO, Oxygen, and Water with Molybdenum-Modified Pt(111). Journal of Physical Chemistry C, 2013, 117, 26716-26724.	1.5	14
94	Role of tungsten modifiers in bimetallic catalysts for enhanced hydrodeoxygenation activity and selectivity. Catalysis Science and Technology, 2020, 10, 414-423.	2.1	14
95	Organic Modifiers Promote Furfuryl Alcohol Ring Hydrogenation via Surface Hydrogen-Bonding Interactions. ACS Catalysis, 2021, 11, 3730-3739.	5.5	14
96	Adsorption and Decomposition of 2(5H)-Furanone on Pd(111) and Pt(111): Comparison of Ring-Opening Pathways of an Unsaturated Cyclic Ester. Journal of Physical Chemistry C, 2009, 113, 14900-14907.	1.5	13
97	A density functional study of C1â€“C4 alkyl adsorption on Cu(111). Journal of Chemical Physics, 2012, 136, 204710.	1.2	13
98	Surface Chemistry of 2-Iodoethanol on Pd(111): Orientation of Surface-Bound Alcohol Controls Selectivity. Journal of Physical Chemistry C, 2012, 116, 4201-4208.	1.5	13
99	Application of thiolate self-assembled monolayers in selective alcohol oxidation for suppression of Pd catalyst deactivation. Journal of Catalysis, 2016, 344, 722-728.	3.1	13
100	Thermodynamics of Alkanethiol Self-Assembled Monolayer Assembly on Pd Surfaces. Langmuir, 2018, 34, 6346-6357.	1.6	13
101	Onâ€theâ€fly Catalyst Modification: Strategy to Improve Catalytic Processes Selectivity and Understanding. ChemCatChem, 2019, 11, 3355-3365.	1.8	13
102	Adsorption and Reactivity of 2,3-Dihydrofuran and 2,5-Dihydrofuran on Pd(111): Influence of the Câ•C Position on the Reactivity of Cyclic Ethers. Langmuir, 2010, 26, 13320-13332.	1.6	12
103	A Simple, Accurate Model for Alkyl Adsorption on Late Transition Metals. Journal of Physical Chemistry C, 2013, 117, 2835-2843.	1.5	12
104	The influence of oxygen on the surface chemistry of 1,2-propanediol on Pd(111). Surface Science, 2014, 619, 30-38.	0.8	12
105	An ab Initio Investigation of Proton Stability at BaZrO₃ Interfaces. Chemistry of Materials, 2014, 26, 4915-4924.	3.2	12
106	Enhancing sintering resistance of atomically dispersed catalysts in reducing environments with organic monolayers. Green Energy and Environment, 2022, 7, 1263-1269.	4.7	12
107	Controlling Heterogeneous Catalysis with Organic Monolayers on Metal Oxides. Accounts of Chemical Research, 2021, 54, 4080-4090.	7.6	12
108	Hydrogen Exposure Effects on Pt/Al₂O₃ Catalysts Coated with Thiolate Monolayers. Langmuir, 2014, 30, 14104-14110.	1.6	11

#	Article	IF	Citations
109	Control of surface alkyl catalysis with thiolate monolayers. Catalysis Science and Technology, 2016, 6, 2413-2418.	2.1	11
110	The reaction of 1-chloro-2-methyl-2-propanol on oxygen-covered Ag(): epoxide formation via a surface chlorohydrin reaction. Surface Science, 2002, 506, 105-118.	0.8	10
111	Application of polymer-coated metal-insulator-semiconductor sensors for the detection of dissolved hydrogen. Applied Physics Letters, 2006, 88, 233507.	1.5	10
112	Adsorption and decomposition of Î³-butyrolactone on Pd(111) and Pt(111). Surface Science, 2010, 604, 98-105.	0.8	10
113	Scaling the rough heights. Nature Chemistry, 2015, 7, 378-380.	6.6	10
114	Furfuryl alcohol deoxygenation, decarbonylation, and ring-opening on Pt(111). Surface Science, 2018, 677, 333-340.	0.8	10
115	Insight into the Oxidation Mechanism of Furanic Compounds on Pt(111). ACS Catalysis, 2019, 9, 11360-11370.	5.5	10
116	Trimethylsilyl functionalization of alumina (Î³-Al₂O₃) increases activity for 1,2-propanediol dehydration. Catalysis Science and Technology, 2016, 6, 5721-5728.	2.1	9
117	Accelerating Electro-oxidation Turnover Rates via Potential-Modulated Stimulation of Electrocatalytic Activity. Industrial & Engineering Chemistry Research, 2020, 59, 19999-20010.	1.8	8
118	Investigation of submonolayer SiOX species formed from oxidation of silane on Pt(111). Surface Science, 2008, 602, 3225-3231.	0.8	7
119	Effects of Ring Structure on the Reaction Pathways of Cyclic Esters and Ethers on Pd(111). Topics in Catalysis, 2010, 53, 1179-1184.	1.3	7
120	Extended Thin-Film Electrocatalyst Structures via Pt Atomic Layer Deposition. ACS Applied Nano Materials, 2018, 1, 6150-6158.	2.4	7
121	Reactivity of Pdâ€“MO₂ encapsulated catalytic systems for CO oxidation. Catalysis Science and Technology, 2022, 12, 1476-1486.	2.1	7
122	Probing surface-adsorbate interactions through active particle dynamics. Journal of Colloid and Interface Science, 2022, 614, 425-435.	5.0	7
123	NEXAFS investigations of cyclooctatetraene on TiO2(001). Surface Science, 2001, 492, 203-213.	0.8	5
124	Deuterium adsorption on W(100) studied by LEIS and DRS. Surface Science, 2004, 571, 31-40.	0.8	5
125	Density functional theory studies of submonolayer oxidized silicon structures on Pd(111) and Pt(111). Surface Science, 2008, 602, 3603-3610.	0.8	4
126	110th Anniversary: Fabrication of Inverted Pd@TiO₂ Nanostructures for Selective Catalysis. Industrial & Engineering Chemistry Research, 2019, 58, 4032-4041.	1.8	4

#	Article	IF	Citations
127	Confinement Effects on Furfuryl Alcohol Reactions over Porous Bilayer Silica-Modified Pd(111). Journal of Physical Chemistry C, 2020, 124, 25437-25446.	1.5	4
128	Altering Linear Scaling Relationships on Metal Catalysts via Ligandâ€“Adsorbate Hydrogen Bonding. Journal of Physical Chemistry C, 2021, 125, 23791-23802.	1.5	4
129	Tuning Gas Adsorption Selectivity and Diffusion Rates in Zeolites with Phosphonic Acid Monolayers. Cell Reports Physical Science, 2020, 1, 100036.	2.8	3
130	Investigating deposition sequence during synthesis of Pd/Al₂O₃ catalysts modified with organic monolayers. Catalysis Science and Technology, 2022, 12, 2306-2314.	2.1	3
131	Profiling of hydrogen in metal-insulator-semiconductor sensors using neutron reflectivity. Applied Physics Letters, 2008, 92, .	1.5	2
132	Hydrocarbon detection via ion implantation in metalâ€“insulatorâ€“semiconductor devices. Applied Physics Letters, 2004, 85, 5457-5459.	1.5	1
133	Scalable synthesis of selective hydrodeoxygenation inverted Pd@TiO2 nanocatalysts. Journal of Flow Chemistry, 2021, 11, 393.	1.2	1
134	Mechanism of selectivity control for zeolites modified with organic monolayers. Microporous and Mesoporous Materials, 2022, 337, 111913.	2.2	1
135	Virtual Issue: Work from the Organic Reactions Catalysis Society Meeting 2016. Organic Process Research and Development, 2017, 21, 277-278.	1.3	0
136	Effects of Surface Hydrophobicity on Catalytic Transfer Hydrogenation of Styrene with Formic Acid in a Biphasic Mixture. ACS Applied Materials & Interfaces, 2022, 14, 33457-33462.	4.0	0