

Evgeny A Pidko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2032554/publications.pdf>

Version: 2024-02-01

251
papers

14,773
citations

13827

67
h-index

24915

109
g-index

281
all docs

281
docs citations

281
times ranked

13431
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-site trinuclear copper oxygen clusters in mordenite for selective conversion of methane to methanol. <i>Nature Communications</i> , 2015, 6, 7546.	5.8	623
2	Catalytic (de)hydrogenation promoted by non-precious metals – Co, Fe and Mn: recent advances in an emerging field. <i>Chemical Society Reviews</i> , 2018, 47, 1459-1483.	18.7	511
3	Strategies for the Direct Catalytic Valorization of Methane Using Heterogeneous Catalysis: Challenges and Opportunities. <i>ACS Catalysis</i> , 2016, 6, 2965-2981.	5.5	438
4	Heterogeneous and homogeneous catalysis for the hydrogenation of carboxylic acid derivatives: history, advances and future directions. <i>Chemical Society Reviews</i> , 2015, 44, 3808-3833.	18.7	395
5	Highly Efficient Reversible Hydrogenation of Carbon Dioxide to Formates Using a Ruthenium PNP-Pincer Catalyst. <i>ChemCatChem</i> , 2014, 6, 1526-1530.	1.8	283
6	Complexity behind CO ₂ Capture on NH ₂ -MIL-53(Al). <i>Langmuir</i> , 2011, 27, 3970-3976.	1.6	274
7	Understanding the Anomalous Alkane Selectivity of ZIF-7 in the Separation of Light Alkane/Alkene Mixtures. <i>Chemistry - A European Journal</i> , 2011, 17, 8832-8840.	1.7	274
8	Computational Approach to Molecular Catalysis by 3d Transition Metals: Challenges and Opportunities. <i>Chemical Reviews</i> , 2019, 119, 2453-2523.	23.0	260
9	Engineering of Transition Metal Catalysts Confined in Zeolites. <i>Chemistry of Materials</i> , 2018, 30, 3177-3198.	3.2	232
10	Intrinsic Facet-Dependent Reactivity of Well-Defined BiOBr Nanosheets on Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6590-6595.	7.2	231
11	Mechanism of Brønsted acid-catalyzed conversion of carbohydrates. <i>Journal of Catalysis</i> , 2012, 295, 122-132.	3.1	221
12	Stability and reactivity of copper oxo-clusters in ZSM-5 zeolite for selective methane oxidation to methanol. <i>Journal of Catalysis</i> , 2016, 338, 305-312.	3.1	217
13	Structure and Reactivity of Zn-Modified ZSM-5 Zeolites: The Importance of Clustered Cationic Zn Complexes. <i>ACS Catalysis</i> , 2012, 2, 71-83.	5.5	214
14	Isolated Fe Sites in Metal Organic Frameworks Catalyze the Direct Conversion of Methane to Methanol. <i>ACS Catalysis</i> , 2018, 8, 5542-5548.	5.5	200
15	Hydrodeoxygenation of mono- and dimeric lignin model compounds on noble metal catalysts. <i>Catalysis Today</i> , 2014, 233, 83-91.	2.2	170
16	Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7531-7534.	7.2	169
17	Towards <i>operando</i> computational modeling in heterogeneous catalysis. <i>Chemical Society Reviews</i> , 2018, 47, 8307-8348.	18.7	169
18	Glucose Activation by Transient Cr ²⁺ Dimers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2530-2534.	7.2	150

#	ARTICLE	IF	CITATIONS
19	Influence of steaming on the acidity and the methanol conversion reaction of HZSM-5 zeolite. <i>Journal of Catalysis</i> , 2013, 307, 194-203.	3.1	149
20	Stable Mo/HZSM-5 methane dehydroaromatization catalysts optimized for high-temperature calcination-regeneration. <i>Journal of Catalysis</i> , 2017, 346, 125-133.	3.1	147
21	Highly Active and Recyclable Sn-MWW Zeolite Catalyst for Sugar Conversion to Methyl Lactate and Lactic Acid. <i>ChemSusChem</i> , 2013, 6, 1352-1356.	3.6	140
22	The impact of Metal-Ligand Cooperation in Hydrogenation of Carbon Dioxide Catalyzed by Ruthenium PNP Pincer. <i>ACS Catalysis</i> , 2013, 3, 2522-2526.	5.5	136
23	DRIFT study of molecular and dissociative adsorption of light paraffins by HZSM-5 zeolite modified with zinc ions: methane adsorption. <i>Journal of Catalysis</i> , 2004, 225, 369-373.	3.1	129
24	Confined Carbon Mediating Dehydroaromatization of Methane over Mo/ZSM-5. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1016-1020.	7.2	128
25	Activation of Light Alkanes over Zinc Species Stabilized in ZSM-5 Zeolite: A Comprehensive DFT Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2643-2655.	1.5	126
26	On the activity of supported Au catalysts in the liquid phase hydrogenation of CO ₂ to formates. <i>Journal of Catalysis</i> , 2016, 343, 97-105.	3.1	126
27	Modeling the electrical double layer to understand the reaction environment in a CO ₂ electrocatalytic system. <i>Energy and Environmental Science</i> , 2019, 12, 3380-3389.	15.6	125
28	Efficient Base-Metal NiMn/TiO ₂ Catalyst for CO ₂ Methanation. <i>ACS Catalysis</i> , 2019, 9, 7823-7839.	5.5	124
29	Hydrocarbon Synthesis via Photoenzymatic Decarboxylation of Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2019, 141, 3116-3120.	6.6	123
30	The Mechanism of Glucose Isomerization to Fructose over Sn-BEA Zeolite: A Periodic Density Functional Theory Study. <i>ChemSusChem</i> , 2013, 6, 1688-1696.	3.6	122
31	Understanding Cooperativity in Hydrogen-Bond-Induced Supramolecular Polymerization: A Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13667-13674.	1.2	119
32	Robust and efficient hydrogenation of carbonyl compounds catalysed by mixed donor Mn(I) pincer complexes. <i>Nature Communications</i> , 2021, 12, 12.	5.8	118
33	Synergy between Lewis acid sites and hydroxyl groups for the isomerization of glucose to fructose over Sn-containing zeolites: a theoretical perspective. <i>Catalysis Science and Technology</i> , 2014, 4, 2241-2250.	2.1	117
34	Intensities of IR Stretching Bands as a Criterion of Polarization and Initial Chemical Activation of Adsorbed Molecules in Acid Catalysis. Ethane Adsorption and Dehydrogenation by Zinc Ions in ZnZSM-5 Zeolite. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2103-2108.	1.2	115
35	Mechanism of CO ₂ hydrogenation to formates by homogeneous Ru-PNP pincer catalyst: from a theoretical description to performance optimization. <i>Catalysis Science and Technology</i> , 2014, 4, 3474-3485.	2.1	112
36	Molecular Aspects of Glucose Dehydration by Chromium Chlorides in Ionic Liquids. <i>Chemistry - A European Journal</i> , 2011, 17, 5281-5288.	1.7	109

#	ARTICLE	IF	CITATIONS
37	Catalytic Hydrogenation of CO ₂ to Formates by a Lutidine-Derived Ru ^{II} -CNC Pincer Complex: Theoretical Insight into the Unrealized Potential. <i>ACS Catalysis</i> , 2015, 5, 1145-1154.	5.5	109
38	Nature and Location of Cationic Lanthanum Species in High Alumina Containing Faujasite Type Zeolites. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21763-21776.	1.5	105
39	Synthesis of Sn ^{II} -Beta with Exclusive and High Framework Sn Content. <i>ChemCatChem</i> , 2015, 7, 1152-1160.	1.8	105
40	Lutidine-Derived Ru-CNC Hydrogenation Pincer Catalysts with Versatile Coordination Properties. <i>ACS Catalysis</i> , 2014, 4, 2667-2671.	5.5	104
41	Understanding the Effect of Crystalline Structural Transformation for Lead-Free Inorganic Halide Perovskites. <i>Advanced Materials</i> , 2020, 32, e2002137.	11.1	101
42	A comprehensive density functional theory study of ethane dehydrogenation over reduced extra-framework gallium species in ZSM-5 zeolite. <i>Journal of Catalysis</i> , 2006, 240, 73-84.	3.1	99
43	Influence of Extraframework Aluminum on the Brønsted Acidity and Catalytic Reactivity of Faujasite Zeolite. <i>ChemCatChem</i> , 2013, 5, 452-466.	1.8	98
44	Structure, Stability, and Lewis Acidity of Mono and Double Ti, Zr, and Sn Framework Substitutions in BEA Zeolites: A Periodic Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3976-3986.	1.5	98
45	Mechanistic Complexity of Methane Oxidation with H ₂ O ₂ by Single-Site Fe/ZSM-5 Catalyst. <i>ACS Catalysis</i> , 2018, 8, 7961-7972.	5.5	98
46	The Nature and Catalytic Function of Cation Sites in Zeolites: a Computational Perspective. <i>ChemCatChem</i> , 2019, 11, 134-156.	1.8	96
47	Dynamic Supramolecular Polymers Based on Benzene-1,3,5-tricarboxamides: The Influence of Amide Connectivity on Aggregate Stability and Amplification of Chirality. <i>Chemistry - A European Journal</i> , 2010, 16, 810-821.	1.7	93
48	Lateral Adsorbate Interactions Inhibit HCOO [•] while Promoting CO Selectivity for CO ₂ Electrocatalysis on Silver. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1345-1349.	7.2	93
49	Nature and Catalytic Role of Extraframework Aluminum in Faujasite Zeolite: A Theoretical Perspective. <i>ACS Catalysis</i> , 2015, 5, 7024-7033.	5.5	92
50	Catalytic Formation of Acrylate from Carbon Dioxide and Ethene. <i>Chemistry - A European Journal</i> , 2014, 20, 12037-12040.	1.7	91
51	Dehydration of Different Ketoses and Aldoses to 5-Hydroxymethylfurfural. <i>ChemSusChem</i> , 2013, 6, 1681-1687.	3.6	90
52	Bis-N-heterocyclic Carbene Aminopincer Ligands Enable High Activity in Ru-Catalyzed Ester Hydrogenation. <i>Journal of the American Chemical Society</i> , 2015, 137, 7620-7623.	6.6	90
53	Dehydrogenation of Light Alkanes over Isolated Gallyl Ions in Ga/ZSM-5 Zeolites. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13068-13075.	1.5	87
54	Donor-Functionalized Polydentate Pyrylium Salts and Phosphinines: Synthesis, Structural Characterization, and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 4548-4559.	1.7	87

#	ARTICLE	IF	CITATIONS
55	Lewis-acid catalyzed depolymerization of Protobind lignin in supercritical water and ethanol. <i>Catalysis Today</i> , 2016, 259, 460-466.	2.2	87
56	Cu ^I Complexes with a Noninnocent PNP Ligand: Selective Dearomatization and Electrophilic Addition Reactivity. <i>Inorganic Chemistry</i> , 2009, 48, 7513-7515.	1.9	83
57	Water-Promoted Hydrocarbon Activation Catalyzed by Binuclear Gallium Sites in ZSM-5 Zeolite. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7273-7276.	7.2	78
58	Fuelling the hydrogen economy: Scale-up of an integrated formic acid-to-power system. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28533-28541.	3.8	78
59	T-Shaped Cationic Cu ^I Complexes with Hemilabile PNP-Type Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 4442-4444.	1.9	76
60	Stability of Extraframework Iron-Containing Complexes in ZSM-5 Zeolite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 413-426.	1.5	75
61	Cationic and neutral Ni ^{II} complexes containing a non-innocent PNP ligand: formation of alkyl and thiolate species. <i>Dalton Transactions</i> , 2009, , 1016-1023.	1.6	74
62	Scaling Relations for Acidity and Reactivity of Zeolites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23520-23530.	1.5	74
63	Electronic Structure of the [Cu ₃ ($\frac{1}{4}$ -O) ₃] ²⁺ Cluster in Mordenite Zeolite and Its Effects on the Methane to Methanol Oxidation. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22295-22302.	1.5	74
64	Self-organization of extraframework cations in zeolites. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 2070-2086.	1.0	73
65	Relationship between acidity and catalytic reactivity of faujasite zeolite: A periodic DFT study. <i>Journal of Catalysis</i> , 2016, 344, 570-577.	3.1	72
66	Ni-Mn catalysts on silica-modified alumina for CO ₂ methanation. <i>Journal of Catalysis</i> , 2020, 382, 358-371.	3.1	70
67	Aromatization of ethylene over zeolite-based catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 2774-2785.	2.1	70
68	Stability and reactivity of active sites for direct benzene oxidation to phenol in Fe/ZSM-5: A comprehensive periodic DFT study. <i>Journal of Catalysis</i> , 2011, 284, 194-206.	3.1	69
69	Gallium-promoted HZSM-5 zeolites as efficient catalysts for the aromatization of biomass-derived furans. <i>Chemical Engineering Science</i> , 2019, 198, 305-316.	1.9	68
70	van der Waals Metal-Organic Framework as an Excitonic Material for Advanced Photonics. <i>Advanced Materials</i> , 2017, 29, 1606034.	11.1	67
71	Unraveling reaction networks behind the catalytic oxidation of methane with H ₂ O over a mixed-metal MIL-53(Al,Fe) MOF catalyst. <i>Chemical Science</i> , 2018, 9, 6765-6773.	3.7	67
72	On the Mechanism of Lewis Acid Catalyzed Glucose Transformations in Ionic Liquids. <i>ChemCatChem</i> , 2012, 4, 1263-1271.	1.8	66

#	ARTICLE	IF	CITATIONS
73	Enhancement of Catalyst Performance in the Direct Propene Epoxidation: A Study into Gold-Titanium Synergy. <i>ChemCatChem</i> , 2013, 5, 467-478.	1.8	66
74	Diphosphinine Derivatives of Terpyridine: A New Class of Neutral σ -Accepting PNP-Pincer Ligands. <i>Chemistry - A European Journal</i> , 2008, 14, 8803-8807.	1.7	65
75	The framework basicity of zeolites. <i>Journal of Materials Chemistry</i> , 2012, 22, 18705.	6.7	64
76	Dehydration of Glucose to 5-Hydroxymethylfurfural Using Nb-doped Tungstite. <i>ChemSusChem</i> , 2016, 9, 2421-2429.	3.6	64
77	Coordination Properties of Ionic Liquid-Mediated Chromium(II) and Copper(II) Chlorides and Their Complexes with Glucose. <i>Inorganic Chemistry</i> , 2010, 49, 10081-10091.	1.9	61
78	Toward the Balance between the Reductionist and Systems Approaches in Computational Catalysis: Model versus Method Accuracy for the Description of Catalytic Systems. <i>ACS Catalysis</i> , 2017, 7, 4230-4234.	5.5	61
79	Stability of functionalized activated carbon in hot liquid water. <i>Carbon</i> , 2014, 77, 143-154.	5.4	60
80	Formation of Active Cu-oxo Clusters for Methane Oxidation in Cu-Exchanged Mordenite. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8759-8769.	1.5	60
81	Dinuclear Copper(I) Thiolate Complexes with a Bridging Noninnocent PNP Ligand. <i>Chemistry - A European Journal</i> , 2011, 17, 3850-3854.	1.7	59
82	Towards a Selective Heterogeneous Catalyst for Glucose Dehydration to 5-Hydroxymethylfurfural in Water: CrCl_2 Catalysis in a Thin Immobilized Ionic Liquid Layer. <i>ChemCatChem</i> , 2011, 3, 969-972.	1.8	58
83	Hydrogenation of levulinic acid to γ -valerolactone over Fe-Re/TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119314.	10.8	57
84	Propane Dehydrogenation on Ga ₂ O ₃ -Based Catalysts: Contrasting Performance with Coordination Environment and Acidity of Surface Sites. <i>ACS Catalysis</i> , 2021, 11, 907-924.	5.5	55
85	An Active Alkali-Exchanged Faujasite Catalyst for <i>p</i> -Xylene Production via the One-Pot Diels-Alder Cycloaddition/Dehydration Reaction of 2,5-Dimethylfuran with Ethylene. <i>ACS Catalysis</i> , 2018, 8, 760-769.	5.5	54
86	Efficient and Practical Transfer Hydrogenation of Ketones Catalyzed by a Simple Bidentate Mn ^{II} -NHC Complex. <i>ChemCatChem</i> , 2019, 11, 5232-5235.	1.8	54
87	Structure and Reactivity of the Mo/ZSM-5 Dehydroaromatization Catalyst: An Operando Computational Study. <i>ACS Catalysis</i> , 2019, 9, 8731-8737.	5.5	52
88	Activity Descriptors Derived from Comparison of Mo and Fe as Active Metal for Methane Conversion to Aromatics. <i>Journal of the American Chemical Society</i> , 2019, 141, 18814-18824.	6.6	52
89	Developing a New Class of Axial Chiral Phosphorus Ligands: Preparation and Characterization of Enantiopure Atropisomeric Phosphinines. <i>Chemistry - A European Journal</i> , 2008, 14, 4899-4905.	1.7	51
90	Lewis acid-catalyzed depolymerization of soda lignin in supercritical ethanol/water mixtures. <i>Catalysis Today</i> , 2016, 269, 9-20.	2.2	51

#	ARTICLE	IF	CITATIONS
91	Multinuclear gallium-oxide cations in high-silica zeolites. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 2893.	1.3	50
92	MoO ₃ –TiO ₂ synergy in oxidative dehydrogenation of lactic acid to pyruvic acid. <i>Green Chemistry</i> , 2017, 19, 3014-3022.	4.6	50
93	Correlations between Density-Based Bond Orders and Orbital-Based Bond Energies for Chemical Bonding Analysis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2843-2854.	1.5	50
94	Unfolding and Mechanochemical Scission of Supramolecular Polymers Containing a Metal–Ligand Coordination Bond. <i>Macromolecules</i> , 2011, 44, 9187-9195.	2.2	49
95	Molecular Promoting of Aluminum Metal–Organic Framework Topology MIL-101 by <i>N,N</i> -Dimethylformamide. <i>Inorganic Chemistry</i> , 2014, 53, 882-887.	1.9	49
96	Hydride Transfer versus Deprotonation Kinetics in the Isobutane–Propene Alkylation Reaction: A Computational Study. <i>ACS Catalysis</i> , 2017, 7, 8613-8627.	5.5	49
97	Interplay of Bonding and Geometry of the Adsorption Complexes of Light Alkanes within Cationic Faujasites. Combined Spectroscopic and Computational Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22618-22627.	1.2	48
98	The Molecular Pathway to ZIF-7 Microrods Revealed by In Situ Time-Resolved Small- and Wide-Angle X-Ray Scattering, Quick-Scanning Extended X-Ray Absorption Spectroscopy, and DFT Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 7809-7816.	1.7	47
99	Intrinsic Facet-Dependent Reactivity of Well-Defined BiOBr Nanosheets on Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2020, 132, 6652-6657.	1.6	46
100	A Periodic DFT Study of Glucose to Fructose Isomerization on Tungstite (WO ₃ ·H ₂ O): Influence of Group IV–VI Dopants and Cooperativity with Hydroxyl Groups. <i>ACS Catalysis</i> , 2016, 6, 4162-4169.	5.5	45
101	Identifying Sn Site Heterogeneities Prevalent Among Sn–Beta Zeolites. <i>Helvetica Chimica Acta</i> , 2016, 99, 916-927.	1.0	44
102	Breaking Linear Scaling Relationships with Secondary Interactions in Confined Space: A Case Study of Methane Oxidation by Fe/ZSM-5 Zeolite. <i>ACS Catalysis</i> , 2019, 9, 9276-9284.	5.5	44
103	Catalytic properties of extraframework iron-containing species in ZSM-5 for N ₂ O decomposition. <i>Journal of Catalysis</i> , 2013, 308, 386-397.	3.1	43
104	Photocatalytic decarboxylation of lactic acid by Pt/TiO ₂ . <i>Chemical Communications</i> , 2016, 52, 11634-11637.	2.2	43
105	Styrene oligomerization as a molecular probe reaction for zeolite acidity: a UV-Vis spectroscopy and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7032.	1.3	42
106	Supported nickel–rhenium catalysts for selective hydrogenation of methyl esters to alcohols. <i>Chemical Communications</i> , 2017, 53, 9761-9764.	2.2	42
107	2-(Trimethylsilyl)-1,3-dithiane–Phosphinine: Synthesis, Coordination Chemistry, and Reactivity. <i>Chemistry - A European Journal</i> , 2018, 24, 944-952.	1.7	42
108	Catalytic conversion of furanic compounds over Ga-modified ZSM-5 zeolites as a route to biomass-derived aromatics. <i>Green Chemistry</i> , 2018, 20, 3818-3827.	4.6	42

#	ARTICLE	IF	CITATIONS
109	A new insight in the unusual adsorption properties of Cu ⁺ cations in Cu-ZSM-5 zeolite. <i>Catalysis Today</i> , 2005, 110, 281-293.	2.2	41
110	Atropisomeric phosphinines: design and synthesis. <i>Dalton Transactions</i> , 2007, , 5372.	1.6	40
111	Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters. <i>Angewandte Chemie</i> , 2017, 129, 7639-7642.	1.6	40
112	Influence of pore topology on synthesis and reactivity of Sn-modified zeolite catalysts for carbohydrate conversions. <i>Catalysis Science and Technology</i> , 2017, 7, 3151-3162.	2.1	40
113	A site-sensitive quasi-in situ strategy to characterize Mo/HZSM-5 during activation. <i>Journal of Catalysis</i> , 2019, 370, 321-331.	3.1	40
114	The Conformations of Alkanes Adsorbed on Zeolitic Cations. <i>ChemPhysChem</i> , 2006, 7, 1657-1660.	1.0	39
115	Revisiting van der Waals Radii: From Comprehensive Structural Analysis to Knowledge-Based Classification of Interatomic Contacts. <i>ChemPhysChem</i> , 2020, 21, 370-376.	1.0	39
116	Pd ^{II} and Pt ^{II} Complexes of 2-(2-Pyridyl)-4,6-diphenylphosphinine: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2011, 17, 2510-2517.	1.7	38
117	Tuning the electronic effects of aromatic phosphorus heterocycles: an unprecedented phosphinine with significant P(III)-donor properties. <i>Chemical Communications</i> , 2014, 50, 8842-8844.	2.2	38
118	Tracking Local Mechanical Impact in Heterogeneous Polymers with Direct Optical Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16385-16390.	7.2	38
119	Mechanistic Complexity of Asymmetric Transfer Hydrogenation with Simple Mn ^{II} Diamine Catalysts. <i>Organometallics</i> , 2019, 38, 3187-3196.	1.1	38
120	Nature of the Surface Intermediates Formed from Methane on Cu-ZSM-5 Zeolite: A Combined Solid-State Nuclear Magnetic Resonance and Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6242-6252.	1.5	38
121	Photochromic Free MOF-Based Near-Infrared Optical Switch. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15522-15526.	7.2	38
122	Direct Diels-Alder reactions of furfural derivatives with maleimides. <i>Green Chemistry</i> , 2021, 23, 367-373.	4.6	38
123	A Periodic DFT Study of N ₂ O ₄ Disproportionation on Alkali-Exchanged Zeolites X. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5510-5519.	1.5	37
124	Phosphorescent Iridium(III) Complexes with Acyclic Diaminocarbene Ligands as Chemosensors for Mercury. <i>Inorganic Chemistry</i> , 2020, 59, 2209-2222.	1.9	37
125	2-(2-Pyridyl)-4,6-diphenylphosphinine versus 2-(2-pyridyl)-4,6-diphenylpyridine: an evaluation of their coordination chemistry towards Rh(I). <i>New Journal of Chemistry</i> , 2010, 34, 1547.	1.4	36
126	Bulky Phosphinines: From a Molecular Design to an Application in Homogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2013, 19, 8991-9004.	1.7	36

#	ARTICLE	IF	CITATIONS
127	Competitive Adsorption of Substrate and Solvent in Sn-Beta Zeolite During Sugar Isomerization. <i>ChemSusChem</i> , 2016, 9, 3145-3149.	3.6	36
128	Computational insights into the catalytic role of the base promoters in ester hydrogenation with homogeneous non-pincer-based Mn-P,N catalyst. <i>Journal of Catalysis</i> , 2018, 363, 136-143.	3.1	35
129	Non-localized charge compensation in zeolites: A periodic DFT study of cationic gallium-oxide clusters in mordenite. <i>Journal of Catalysis</i> , 2008, 255, 139-143.	3.1	34
130	Composites based on heparin and MIL-101(Fe): the drug releasing depot for anticoagulant therapy and advanced medical nanofabrication. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2450-2459.	2.9	34
131	Diphenylalanine-Based Microribbons for Piezoelectric Applications via Inkjet Printing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10543-10551.	4.0	34
132	Dinuclear Palladium Complexes with Two Ligand-Centered Radicals and a Single Bridging Ligand: Subtle Tuning of Magnetic Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 5879-5886.	1.7	33
133	Supported Pt-Re catalysts for the selective hydrogenation of methyl and ethyl esters to alcohols. <i>Catalysis Today</i> , 2017, 279, 10-18.	2.2	33
134	Structure-Reactivity Relationship for Catalytic Activity of Gallium Oxide and Sulfide Clusters in Zeolite. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4246-4249.	1.5	32
135	Reactions of Pyridyl-Functionalized, Chelating Ir^{III} -Phosphinines in the Coordination Environment of Rh^{III} and Ir^{III} . <i>Chemistry - A European Journal</i> , 2013, 19, 7523-7531.	1.7	32
136	High balanced ambipolar charge carrier mobility in benzodipyrrolidone conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 731-735.	2.7	32
137	Stability and catalytic properties of porous acidic (organo)silica materials for conversion of carbohydrates. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 81-89.	4.8	31
138	Deactivation of Sn-Beta during carbohydrate conversion. <i>Applied Catalysis A: General</i> , 2018, 564, 113-122.	2.2	31
139	Tunable colloidal Ni nanoparticles confined and redistributed in mesoporous silica for CO_2 methanation. <i>Catalysis Science and Technology</i> , 2019, 9, 2578-2591.	2.1	31
140	Ultrafast Melting of Metal-Organic Frameworks for Advanced Nanophotonics. <i>Advanced Functional Materials</i> , 2020, 30, 1908292.	7.8	31
141	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cu-Exchanged Mordenite. <i>Chemistry - A European Journal</i> , 2020, 26, 7563-7567.	1.7	31
142	Understanding the Reactivity and Basicity of Zeolites: A Periodic DFT Study of the Disproportionation of N_2O_4 on Alkali-Cation-Exchanged Zeolite Y. <i>Chemistry - A European Journal</i> , 2008, 14, 5168-5177.	1.7	30
143	Ceria-zirconia encapsulated Ni nanoparticles for CO_2 methanation. <i>Catalysis Science and Technology</i> , 2019, 9, 5001-5010.	2.1	30
144	f-Type ethane adsorption complexes with Cu ⁺ ions in Cu(i)-ZSM-5 zeolite. Combined DRIFTS and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1939-1944.	1.3	29

#	ARTICLE	IF	CITATIONS
145	Lewis Acid Controlled Regioselectivity in Styrene Hydrocyanation. <i>Chemistry - A European Journal</i> , 2009, 15, 8768-8778.	1.7	29
146	Co-Aromatization of Furan and Methanol over ZSM-5: A Pathway to Bio-Aromatics. <i>ACS Catalysis</i> , 2019, 9, 8547-8554.	5.5	29
147	How metallic is gold in the direct epoxidation of propene: an FTIR study. <i>Catalysis Science and Technology</i> , 2013, 3, 3042.	2.1	28
148	Multicolor Organometallic Mechanophores for Polymer Imaging Driven by Exciplex Level Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 9687-9692.	6.6	28
149	Nature of Enhanced Brønsted Acidity Induced by Extraframework Aluminum in an Ultrastabilized Faujasite Zeolite: An <i>In Situ</i> NMR Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9050-9059.	1.5	28
150	High Stability of Methanol to Aromatic Conversion over Bimetallic Ca,Ga-Modified ZSM-5. <i>ACS Catalysis</i> , 2022, 12, 3189-3200.	5.5	28
151	A Density Functional Theory Study of the Mechanism of Direct Glucose Dehydration to 5-Hydroxymethylfurfural on Anatase Titania. <i>ChemCatChem</i> , 2018, 10, 4084-4089.	1.8	27
152	Impact of small promoter amounts on coke structure in dry reforming of methane over Ni/ZrO ₂ . <i>Catalysis Science and Technology</i> , 2020, 10, 3965-3974.	2.1	27
153	Anionic Oligomerization of Ethylene over Ga/ZSM-5 Zeolite: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19604-19611.	1.5	26
154	Detection of Carbocationic Species in Zeolites: Large Crystals Pave the Way. <i>Chemistry - A European Journal</i> , 2010, 16, 9340-9348.	1.7	26
155	A DFT Study of Direct Oxidation of Benzene to Phenol by N ₂ O over [Fe(^{IV} -O)] ²⁺ Complexes in ZSM-5 Zeolite. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9668-9680.	1.5	26
156	Towards rational design of metal-organic framework-based drug delivery systems. <i>Russian Chemical Reviews</i> , 2018, 87, 831-858.	2.5	26
157	Basic Promoters Impact Thermodynamics and Catalyst Speciation in Homogeneous Carbonyl Hydrogenation. <i>Journal of the American Chemical Society</i> , 2022, 144, 8129-8137.	6.6	26
158	Lateral Adsorbate Interactions Inhibit HCOO [•] while Promoting CO Selectivity for CO ₂ Electrocatalysis on Silver. <i>Angewandte Chemie</i> , 2019, 131, 1359-1363.	1.6	25
159	Decomposition of lignin model compounds by Lewis acid catalysts in water and ethanol. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 89-99.	4.8	24
160	Highly dispersed Cd cluster supported on TiO ₂ as an efficient catalyst for CO ₂ hydrogenation to methanol. <i>Chinese Journal of Catalysis</i> , 2022, 43, 761-770.	6.9	24
161	A Mechanistic Study of Ni-catalyzed Carbon Dioxide Coupling with Ethylene towards the Manufacture of Acrylic Acid. <i>ChemCatChem</i> , 2014, 6, 800-807.	1.8	23
162	Bent Carbon Surface Moieties as Active Sites on Carbon Catalysts for Phosgene Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1728-1732.	7.2	23

#	ARTICLE	IF	CITATIONS
163	Adsorption of CO ₂ on MIL-53(Al): FTIR evidence of the formation of dimeric CO ₂ species. <i>Chemical Communications</i> , 2016, 52, 1494-1497.	2.2	23
164	Electronic Structure Analysis of the Diels-Alder Cycloaddition Catalyzed by Alkali-Exchanged Faujasites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14733-14743.	1.5	23
165	Mechanistic Insight into the [4 + 2] Diels-Alder Cycloaddition over First Row d-Block Cation-Exchanged Faujasites. <i>ACS Catalysis</i> , 2019, 9, 376-391.	5.5	23
166	Chemical Vapor Deposition of Trimethylaluminum on Dealuminated Faujasite Zeolite. <i>ACS Catalysis</i> , 2013, 3, 1504-1517.	5.5	22
167	Catalytic conversion of pure glycerol over an un-modified H-ZSM-5 zeolite to bio-based aromatics. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119467.	10.8	22
168	Multi-site Cooperativity in Alkali-Metal-Exchanged Faujasites for the Production of Biomass-Derived Aromatics. <i>ChemPhysChem</i> , 2018, 19, 446-458.	1.0	21
169	Property-Activity Relations for Methane Activation by Dual-Metal Cu-Oxo Trimers in ZSM-5 Zeolite. <i>Small Methods</i> , 2018, 2, 1800266.	4.6	21
170	Active Sites in a Heterogeneous Organometallic Catalyst for the Polymerization of Ethylene. <i>ACS Central Science</i> , 2021, 7, 1225-1231.	5.3	21
171	Confined Space-Controlled Olefin-Oxygen Charge Transfer in Zeolites. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2963-2967.	1.2	19
172	Confined Carbon Mediating Dehydroaromatization of Methane over Mo/ZSM-5. <i>Angewandte Chemie</i> , 2018, 130, 1028-1032.	1.6	18
173	Gold and Silver-Catalyzed Reductive Amination of Aromatic Carboxylic Acids to Benzylic Amines. <i>ACS Catalysis</i> , 2021, 11, 7672-7684.	5.5	18
174	Challenges for the utilization of methane as a chemical feedstock. <i>Mendelev Communications</i> , 2021, 31, 584-592.	0.6	18
175	Bulk and surface transformations of Ga ₂ O ₃ nanoparticle catalysts for propane dehydrogenation induced by a H ₂ treatment. <i>Journal of Catalysis</i> , 2022, 408, 155-164.	3.1	18
176	A DFT Study of CO ₂ Hydrogenation on Faujasite-Supported Ir ₄ Clusters: on the Role of Water for Selectivity Control. <i>ChemCatChem</i> , 2016, 8, 2500-2507.	1.8	17
177	Hydrogenation of Lactic Acid to 1,2-Propanediol over Ru-Based Catalysts. <i>ChemCatChem</i> , 2018, 10, 810-817.	1.8	17
178	Efficient extraction of multivalent cations from aqueous solutions into sitinakite-based sorbents. <i>Chemical Engineering Journal</i> , 2018, 354, 727-739.	6.6	17
179	Dry reforming of methane to test passivation stability of Ni/ Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2021, 612, 117987.	2.2	17
180	2,4,6-Triarylphosphinines versus 2,4,6-Triarylpyridines: An Investigation of the Differences in Reactivity between Structurally Related Aromatic Phosphorus and Nitrogen Heterocycles. <i>Chemistry - A European Journal</i> , 2013, 19, 14458-14469.	1.7	16

#	ARTICLE	IF	CITATIONS
181	Accurate and rapid prediction of p <i>K</i> _a of transition metal complexes: semiempirical quantum chemistry with a data-augmented approach. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2557-2567.	1.3	16
182	Inkjet printing of TiO ₂ /AlOOH heterostructures for the formation of interference color images with high optical visibility. <i>Scientific Reports</i> , 2016, 6, 37090.	1.6	15
183	Reversible sol-gel sol medium for enzymatic optical biosensors. <i>Journal of Materials Chemistry B</i> , 2017, 5, 85-91.	2.9	15
184	The nature of strong Brønsted acidity of Ni-SMM clay. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 62-75.	10.8	14
185	Catalytic conversion of glycerol to bio-based aromatics using H-ZSM-5 in combination with various binders. <i>Fuel Processing Technology</i> , 2021, 221, 106944.	3.7	14
186	Polymer Modification of Surface Electronic Properties of Electrocatalysts. <i>ACS Energy Letters</i> , 2022, 7, 1586-1593.	8.8	13
187	Supported Ru Metalloporphyrins for Electrocatalytic CO ₂ Conversion. <i>ChemCatChem</i> , 2018, 10, 1814-1820.	1.8	12
188	The accuracy challenge of the DFT-based molecular assignment of ¹³ C MAS NMR characterization of surface intermediates in zeolite catalysis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24004-24013.	1.3	11
189	Impact of Promoter Addition on the Regeneration of Ni/Al ₂ O ₃ Dry Reforming Catalysts. <i>ChemCatChem</i> , 2021, 13, 5034-5046.	1.8	11
190	Solvent-mediated outer-sphere CO ₂ electro-reduction mechanism over the Ag ₁₁₁ surface. <i>Chemical Science</i> , 2022, 13, 3803-3808.	3.7	11
191	Computational modeling of catalytic reactivity. <i>Molecular Simulation</i> , 2007, 33, 327-336.	0.9	10
192	Molecular recognition in cation-exchanged zeolites. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 210-220.	1.0	10
193	UV-curable hybrid organic-inorganic composite inks with a high refractive index for printing interference images and holograms. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5487-5493.	2.7	10
194	Degradation paths of manganese-based MOF materials in a model oxidative environment: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20785-20795.	1.3	10
195	Operando Modeling of Multicomponent Reactive Solutions in Homogeneous Catalysis: from Non-standard Free Energies to Reaction Network Control. <i>ChemCatChem</i> , 2020, 12, 795-802.	1.8	10
196	Structure and Basicity of Microporous Titanosilicate ETS-10 and Vanadium-Containing ETS-10. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17124-17133.	1.5	9
197	Embryonic zeolites for highly efficient synthesis of dimethyl ether from syngas. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111138.	2.2	9
198	Improved catalyst formulations for the conversion of glycerol to bio-based aromatics. <i>Applied Catalysis A: General</i> , 2022, 629, 118393.	2.2	9

#	ARTICLE	IF	CITATIONS
199	IR Spectra of Ethane Adsorbed on the Hydrogen, Sodium, and Zinc Forms of a Y-Type Zeolite: Interpretation Using ab initio Quantum Chemical Calculations. <i>Kinetics and Catalysis</i> , 2005, 46, 407-413.	0.3	8
200	Activation of light alkanes over Cd ²⁺ ions in ZSM-5 zeolite: a theoretical study. <i>Mendelevov Communications</i> , 2007, 17, 68-70.	0.6	8
201	Extracting the Key Fragment in ETS-10 Crystallization and Its Application in AM6 Assembly. <i>Chemistry - A European Journal</i> , 2012, 18, 12078-12084.	1.7	8
202	Origin of enhanced Brønsted acidity of NiF-modified synthetic mica-montmorillonite clay. <i>Catalysis Science and Technology</i> , 2018, 8, 244-251.	2.1	8
203	Intermetallic species in the Negishi coupling and their involvement in inhibition pathways. <i>Catalysis Science and Technology</i> , 2019, 9, 4561-4572.	2.1	8
204	Single-Atom Pt ⁺ Derived from the Laser Dissociation of a Platinum Cluster: Insights into Nonoxidative Alkane Conversion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5987-5991.	2.1	8
205	Unraveling the Nature of Extraframework Catalytic Ensembles in Zeolites: Flexibility and Dynamics of the Copper-Oxo Trimers in Mordenite. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10906-10913.	2.1	8
206	Selective Dimerization of Ethene to 2-Butene on Zn ²⁺ -Modified ZSM-5 Zeolite. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6570-6577.	1.5	8
207	Solvent-Assisted Ketone Reduction by a Homogeneous Mn Catalyst. <i>Organometallics</i> , 2022, 41, 1829-1835.	1.1	8
208	Modification of Brønsted acidity of zeolites by Ga ⁺ , GaO ⁺ and AlO ⁺ : comparison for alkane activation. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 1182-1189.	1.5	7
209	Substituent effects in pyridyl-functionalized pyrylium salts, pyridines and b ³ , f ² -phosphinines: a fundamental and systematic study. <i>Dalton Transactions</i> , 2018, 47, 9355-9366.	1.6	7
210	Composition- and Condition-Dependent Kinetics of Homogeneous Ester Hydrogenation by a Mn-Based Catalyst. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26990-26998.	1.5	7
211	Photochromic Free MOF-Based Near-Infrared Optical Switch. <i>Angewandte Chemie</i> , 2020, 132, 15652-15656.	1.6	7
212	In Silico Screening of Zeolites for High-Pressure Hydrogen Drying. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8383-8394.	4.0	7
213	Homogeneous hydrogenation of saturated bicarbonate slurry to formates using multiphase catalysis. <i>Green Chemistry</i> , 2021, 23, 8848-8852.	4.6	7
214	Manganese-Mediated C-C Bond Formation: Alkoxyacylation of Organoboranes. <i>Organometallics</i> , 2021, 40, 674-681.	1.1	6
215	Towards Understanding Afghanistan Pea Symbiotic Phenotype Through the Molecular Modeling of the Interaction Between LykX-Sym10 Receptor Heterodimer and Nod Factors. <i>Frontiers in Plant Science</i> , 2021, 12, 642591.	1.7	6
216	The Impact of Computational Uncertainties on the Enantioselectivity Predictions: A Microkinetic Modeling of Ketone Transfer Hydrogenation with a Noyori-type Mn-diamine Catalyst. <i>ChemCatChem</i> , 2021, 13, 3517-3524.	1.8	6

#	ARTICLE	IF	CITATIONS
217	An integrated approach to the key parameters in methanol-to-olefins reaction catalyzed by MFI/MEL zeolite materials. Chinese Journal of Catalysis, 2022, 43, 1879-1893.	6.9	6
218	DFT Study on mechanochemical bond breaking in COGEF and Molecular Dynamics simulations. Procedia Computer Science, 2011, 4, 1167-1176.	1.2	5
219	Inside Cover: Molecular Aspects of Glucose Dehydration by Chromium Chlorides in Ionic Liquids (Chem. Eur. J. 19/2011). Chemistry - A European Journal, 2011, 17, 5210-5210.	1.7	5
220	Bent Carbon Surface Moieties as Active Sites on Carbon Catalysts for Phosgene Synthesis. Angewandte Chemie, 2016, 128, 1760-1764.	1.6	5
221	Inkjet printing of transparent sol-gel computer generated holograms. Optical Materials Express, 2016, 6, 3794.	1.6	5
222	Utilizing Design of Experiments Approach to Assess Kinetic Parameters for a Mn Homogeneous Hydrogenation Catalyst. ChemCatChem, 2021, 13, 4886-4896.	1.8	5
223	Inkjet Printing of Sc-Doped TiO ₂ with Enhanced Photoactivity. Coatings, 2019, 9, 78.	1.2	5
224	ChemSpaX: exploration of chemical space by automated functionalization of molecular scaffold. , 2022, 1, 8-25.		5
225	Two step activation of Ru-PNP pincer catalysts for CO ₂ hydrogenation. Catalysis Science and Technology, 2022, 12, 2972-2977.	2.1	5
226	Property-activity relations of multifunctional reactive ensembles in cation-exchanged zeolites: a case study of methane activation on Zn ²⁺ -modified zeolite BEA. Physical Chemistry Chemical Physics, 2022, 24, 6492-6504.	1.3	5
227	Diffuse Reflectance IR Spectra of Molecular Hydrogen and Deuterium Adsorbed on Zinc Oxide. Kinetics and Catalysis, 2002, 43, 567-572.	0.3	4
228	Highly Efficient Reversible Hydrogenation of Carbon Dioxide to Formates Using a Ruthenium PNP Pincer Catalyst. ChemCatChem, 2014, 6, 1485-1485.	1.8	4
229	Tracking Local Mechanical Impact in Heterogeneous Polymers with Direct Optical Imaging. Angewandte Chemie, 2018, 130, 16623-16628.	1.6	4
230	Revisiting van der Waals Radii: From Comprehensive Structural Analysis to Knowledge-Based Classification of Interatomic Contacts. ChemPhysChem, 2020, 21, 359-359.	1.0	4
231	Metal-ligand cooperative activation of HX (X=H, Br, OR) bond on Mn based pincer complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1486-1494.	0.6	4
232	Automation and Microfluidics for the Efficient, Fast, and Focused Reaction Development of Asymmetric Hydrogenation Catalysis. ChemSusChem, 2022, 15, .	3.6	4
233	Nickel-catalyzed isomerization of 2-methyl-3-butenitrile to 3-pentenitrile: A kinetic study using in situ FTIR-ATR spectroscopy. Catalysis Today, 2010, 155, 271-278.	2.2	3
234	The origin of isotope-induced helical-sense bias in supramolecular polymers of benzene-1,3,5-tricarboxamides. Physical Chemistry Chemical Physics, 2012, 14, 13997.	1.3	3

#	ARTICLE	IF	CITATIONS
235	CHAPTER 6. Computational Approach to Chemical Reactivity of MOFs. RSC Catalysis Series, 0, , 209-234.	0.1	3
236	Computational Chemistry of Zeolite Catalysis. , 2016, , 111-135.		3
237	Response to Comment "On the Existence of Excitonic Signatures in the Optical Response of Metal-Organic Frameworks", Advanced Materials, 2017, 29, 1705261.	11.1	3
238	Lewis Acid Catalysis by Zeolites * *These authors contributed equally.. , 2018, , 229-263.		3
239	Importance of Methane Chemical Potential for Its Conversion to Methanol on Cu-exchanged Mordenite. Chemistry - A European Journal, 2020, 26, 7515-7515.	1.7	3
240	Zeolite Catalysis for Biomass Conversion. Green Chemistry and Sustainable Technology, 2016, , 347-372.	0.4	2
241	Nano-architecture of metal-organic frameworks. AIP Conference Proceedings, 2017, , .	0.3	2
242	Mechanistic investigation of benzene esterification by K ₂ CO ₃ /TiO ₂ : the catalytic role of the multifunctional interface. Chemical Communications, 2021, 57, 7890-7893.	2.2	2
243	Metal Containing Nanoclusters in Zeolites. , 2021, , .		1
244	Automated high-resolution sampling and multi-mode operando spectroscopy of (bio-)chemical reactions for kinetic analysis, reaction characterization, and quality control. , 2021, 1, 100002.		1
245	CO ₂ Hydrogenation to Methanol over Cd ₄ /TiO ₂ Catalyst: Insight into Multifunctional Interface. ChemCatChem, 0, , .	1.8	1
246	Virtual Special Issue on Catalysis in The Netherlands. ACS Catalysis, 2016, 6, 6006-6007.	5.5	0
247	Computational Chemistry of Catalytic Biomass Conversion. Green Chemistry and Sustainable Technology, 2016, , 63-104.	0.4	0
248	Innenr��cktitelbild: Non-Pincer-Type Manganese Complexes as Efficient Catalysts for the Hydrogenation of Esters (Angew. Chem. 26/2017). Angewandte Chemie, 2017, 129, 7787-7787.	1.6	0
249	Innentitelbild: Confined Carbon Mediating Dehydroaromatization of Methane over Mo/ZSM-5 (Angew.) Tj ETQq1_1_0.784314 rgBT / 0.6		0
250	R��cktitelbild: Lateral Adsorbate Interactions Inhibit HCOO [•] while Promoting CO Selectivity for CO ₂ Electro catalysis on Silver (Angew. Chem. 5/2019). Angewandte Chemie, 2019, 131, 1534-1534.	1.6	0
251	Computational Approach in Zeolite Science. , 2009, , 223-250.		0