

Di Wu

List of Publications by Year in descending order

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152
papers

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citations

126907

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156
docs citations

156
times ranked

6081
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Engineering of Mechanochromic Materials by Programmed C-H Arylation: Making a Counterpoint in the Chromism Trend. <i>Journal of the American Chemical Society</i> , 2016, 138, 12803-12812.	13.7	195
2	Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. <i>Journal of the American Chemical Society</i> , 2016, 138, 4730-4738.	13.7	181
3	Ferroelectric Tunnel Junctions: Modulations on the Potential Barrier. <i>Advanced Materials</i> , 2020, 32, e1904123.	21.0	179
4	Giant tunnelling electroresistance in metal/ferroelectric/semiconductor tunnel junctions by engineering the Schottky barrier. <i>Nature Communications</i> , 2017, 8, 15217.	12.8	165
5	Ultrasonic activation of inert poly(tetrafluoroethylene) enables piezocatalytic generation of reactive oxygen species. <i>Nature Communications</i> , 2021, 12, 3508.	12.8	153
6	Direct Calorimetric Measurement of Enthalpy of Adsorption of Carbon Dioxide on CD-MOF-2, a Green Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 6790-6793.	13.7	140
7	Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of Phenols through Internal Oxidative C-H Activation: Rapid Screening of Single-Molecular White-Light-Emitting Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14008-14012.	13.8	133
8	Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to Conjugated Polyheterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7167-7170.	13.8	122
9	Imaging quantum spin Hall edges in monolayer WTe ₂ . <i>Science Advances</i> , 2019, 5, eaat8799.	10.3	113
10	Regioselective Decarboxylative Direct C-H Arylation of Boron Dipyrromethenes (BODIPYs) at 2,6-Positions: A Facile Access to a Diversity-Oriented BODIPY Library. <i>Organic Letters</i> , 2014, 16, 6080-6083.	4.6	80
11	Coexistence of Magnetic Orders in Two-Dimensional Magnet CrI ₃ . <i>Nano Letters</i> , 2020, 20, 553-558.	9.1	74
12	Unexpected Sole Enol-Form Emission of 2-(2-Hydroxyphenyl)oxazoles for Highly Efficient Deep-Blue-Emitting Organic Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1605245.	14.9	72
13	Structure, optical, and magnetic properties of sputtered manganese and nitrogen-codoped ZnO films. <i>Applied Physics Letters</i> , 2006, 88, 082111.	3.3	71
14	Synthesis of Phenalenyl-Fused Pyrylium Cations: Divergent C-H Activation/Annulation Reaction Sequence of Naphthalene Aldehydes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13094-13098.	13.8	71
15	Synthesis of Pyrido[1,2- <i>a</i>]benzimidazoles through a Copper-Catalyzed Cascade C-N Coupling Process. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5242-5245.	2.4	60
16	Porphyryns with intense absorptivity: highly efficient sensitizers with a photovoltaic efficiency of up to 10.7% without a cosensitizer and a coabsorbate. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11829-11834.	10.3	56
17	Above-room-temperature molecular ferroelectric and fast switchable dielectric of diisopropylammonium perchlorate. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9957-9963.	5.5	53
18	Tailoring Mesoporous Al ₂ O ₃ Properties by Transition Metal Doping: A Combined Experimental and Computational Study. <i>Chemistry of Materials</i> , 2017, 29, 1338-1349.	6.7	52

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19	Tuning 1-hexene/n-hexane adsorption on MOF-74 via constructing Co-Mg bimetallic frameworks. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 151-160.	4.4	51
20	Functionalized fullerenes for highly efficient lithium ion storage: Structure-property-performance correlation with energy implications. <i>Nano Energy</i> , 2017, 40, 327-335.	16.0	49
21	Guest-host interactions of a rigid organic molecule in porous silica frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1720-1725.	7.1	45
22	Novel Ruthenium Sensitizers with a Phenothiazine Conjugated Bipyridyl Ligand for High-Efficiency Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27831-27837.	8.0	45
23	U(^v) in metal uranates: a combined experimental and theoretical study of MgUO ₄ , CrUO ₄ , and FeUO ₄ . <i>Dalton Transactions</i> , 2016, 45, 4622-4632.	3.3	45
24	Thermodynamics of metal-organic frameworks. <i>Journal of Solid State Chemistry</i> , 2015, 223, 53-58.	2.9	44
25	Thermodynamic studies of studtite thermal decomposition pathways via amorphous intermediates UO ₃ , U ₂ O ₇ , and UO ₄ . <i>Journal of Nuclear Materials</i> , 2016, 478, 158-163.	2.7	41
26	Magnetic interactions in BiFe _{0.5} Mn _{0.5} O ₃ films and BiFeO ₃ /BiMnO ₃ superlattices. <i>Scientific Reports</i> , 2015, 5, 9093.	3.3	40
27	Two-step preparation of AlON transparent ceramics with powder synthesized by aluminothermic reduction and nitridation method. <i>Journal of Materials Research</i> , 2014, 29, 2325-2331.	2.6	39
28	Densification and grain growth of Gd ₂ Zr ₂ O ₇ nanoceramics during pressureless sintering. <i>Journal of the European Ceramic Society</i> , 2017, 37, 1059-1065.	5.7	39
29	Inhibition of AlF ₃ ·3H ₂ O Impurity Formation in Ti ₃ CC ₂ T _x MXene Synthesis under a Unique CoF _x /HCl Etching Environment. <i>ACS Applied Energy Materials</i> , 2019, 2, 8145-8152.	5.1	39
30	Tuning Ni/Al Ratio to Enhance Pseudocapacitive Charge Storage Properties of Nickel-Aluminum Layered Double Hydroxide. <i>Advanced Electronic Materials</i> , 2019, 5, 1900215.	5.1	39
31	Calculation of nuclear charge radii with a trained feed-forward neural network. <i>Physical Review C</i> , 2020, 102, .	2.9	39
32	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[b]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9538-9546.	3.2	38
33	Spin-Filtering Ferroelectric Tunnel Junctions as Multiferroic Synapses for Neuromorphic Computing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56300-56309.	8.0	37
34	Small molecule-Silica interactions in porous silica structures. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 109, 38-50.	3.9	35
35	Metal-Modified Cu-BTC Acid for Highly Enhanced Adsorption of Organosulfur Species. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 9541-9550.	3.7	33
36	Energy Landscape of Water and Ethanol on Silica Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15428-15433.	3.1	32

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37	Structure and energetics of SiOC and SiOC -modified carbon-bonded carbon fiber composites. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3693-3702.	3.8	32
38	A mechanistic study of mesoporous TiO_2 nanoparticle negative electrode materials with varying crystallinity for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3333-3343.	10.3	32
39	Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18852-18859.	13.8	32
40	Energetics of a Uranothorite (ThU_2SiO_4) Solid Solution. <i>Chemistry of Materials</i> , 2016, 28, 7117-7124.	6.7	31
41	Calorimetric Study of Alkali Metal Ion (K^+ , Na^+ , Li^+) Exchange in a Clay-Like MXene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15145-15153.	3.1	31
42	Thermodynamic complexity of sulfated zirconia catalysts. <i>Journal of Catalysis</i> , 2016, 342, 158-163.	6.2	30
43	Thermodynamics of solvent interaction with the metal-organic framework MOF-5. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 1158-1162.	2.8	30
44	Comparison of chemical stability and corrosion resistance of group IV metal oxide films formed by thermal and plasma-enhanced atomic layer deposition. <i>Scientific Reports</i> , 2019, 9, 10438.	3.3	30
45	Energy landscape of self-assembled superlattices of PbSe nanocrystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9054-9057.	7.1	29
46	Energetics of Alkali and Alkaline Earth Ion-Exchanged Zeolite A. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15251-15256.	3.1	29
47	Planetary ball-milling of ALON powder for highly transparent ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2377-2389.	3.8	29
48	The effects of precipitants on co-precipitation synthesis of yttria-stabilized zirconia nanocrystalline powders. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 359-368.	2.4	29
49	Preparation of $(1-x)(\text{Na}_0.5\text{Bi}_0.5)\text{TiO}_3$ - $x\text{SrTiO}_3$ thin films by a sol-gel method for dielectric tunable applications. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 29-34.	2.4	28
50	Catalytic Alkynylation Coupling Reactions by Copper(II) Complex in Water and Its Applications to Domino Synthesis of α -Arylindoles. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5560-5562.	2.4	28
51	Thermodynamic Stability of Low- k Amorphous SiOCH Dielectric Films. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2752-2759.	3.8	28
52	Dual-Design of Nanoporous to Compact Interface via Atomic/Molecular Layer Deposition Enabling a Long-Life Silicon Anode. <i>Advanced Functional Materials</i> , 2022, 32, 2109682.	14.9	26
53	Oxidative C-H/C-H Cross-Coupling of [1,2,4]Triazolo[1,5-a]pyrimidines with Indoles and Pyrroles: Discovering Excited-State Intramolecular Proton Transfer (ESIPT) Fluorophores. <i>Organic Letters</i> , 2019, 21, 4058-4062.	4.6	25
54	Atomic-scale fatigue mechanism of ferroelectric tunnel junctions. <i>Science Advances</i> , 2021, 7, eabh2716.	10.3	25

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55	The growth mechanism and ferroelectric domains of diisopropylammonium bromide films synthesized via 12-crown-4 addition at room temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7626-7631.	2.8	24
56	Defect-induced fluorite Gd ₂ Zr ₂ O ₇ ceramics under helium irradiation: Amorphization, cell volume expansion, and multi-stage bubble formation. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4911-4918.	3.8	24
57	Thermodynamics of Methane Adsorption on Copper HKUST-1 at Low Pressure. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2439-2443.	4.6	23
58	Rapid Access to 2,2'-bithiazole-Based Copolymers via Sequential Palladium-Catalyzed C-H/C-X and C-H/C-H Coupling Reactions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 794-798.	3.9	23
59	High-Temperature Thermodynamics of Cerium Silicates, A-Ce ₂ Si ₂ O ₇ , and Ce _{4.67} (SiO ₄) ₃ O. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2129-2143.	2.7	23
60	Supported Al-Ti bimetallic catalysts for 1-decene oligomerization: Activity, stability and deactivation mechanism. <i>Journal of Catalysis</i> , 2016, 339, 84-92.	6.2	22
61	Small-angle Neutron Scattering (SANS) Characterization of Clay- and Carbonate-rich Shale at Elevated Pressures. <i>Energy & Fuels</i> , 2020, 34, 8178-8185.	5.1	22
62	Probing the energetics of organic-nanoparticle interactions of ethanol on calcite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5314-5318.	7.1	21
63	Seeding Iron Trifluoride Nanoparticles on Reduced Graphite Oxide for Lithium-Ion Batteries with Enhanced Loading and Stability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29505-29510.	8.0	21
64	Transient directing ligand- and solvent-controlled C-H/C-H cross-coupling/quaternization cyclization/dequaternization of benzaldehydes with thiophenes. <i>Chemical Communications</i> , 2019, 55, 7518-7521.	4.1	21
65	Oxidative Direct Arylation Polymerization Using Oxygen as the Sole Oxidant: Facile, Green Access to Bithiazole-Based Polymers. <i>ChemSusChem</i> , 2016, 9, 2765-2768.	6.8	20
66	An unusual [4 + 2] fusion strategy to forge meso-N/O-heteroarene-fused (quinoidal) porphyrins with intense near-infrared Q-bands. <i>Chemical Science</i> , 2019, 10, 7274-7280.	7.4	20
67	He irradiation-induced lattice distortion and surface blistering of Gd ₂ Zr ₂ O ₇ defect-fluorite ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3425-3435.	3.8	20
68	Preparation and Characterization of Relaxor Ferroelectric 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ ·0.35PbTiO ₃ by a Polymerizable Complex Method. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1256-1261.	3.8	19
69	Energetics of Confinement of <i>n</i> -Hexane in Ca-Na Ion Exchanged Zeolite A. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25590-25596.	3.1	18
70	Probing the Energetics of Molecule-Material Interactions at Interfaces and in Nanopores. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26141-26154.	3.1	18
71	Double <i>ortho</i> -C-H Activation/Annulation of Benzamides with Aryl Alkynes: A Route to Double-Helical Polycyclic Heteroaromatics. <i>Journal of Organic Chemistry</i> , 2019, 84, 15697-15705.	3.2	18
72	Thermodynamics of CeSiO ₄ : Implications for Actinide Orthosilicates. <i>Inorganic Chemistry</i> , 2020, 59, 13174-13183.	4.0	18

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73	Tailoring Stress and Ion-Transport Kinetics via a Molecular Layer Deposition-Induced Artificial Solid Electrolyte Interphase for Durable Silicon Composite Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32520-32530.	8.0	16
74	The Polymerization Effect on Synthesis and Visible-Light Photocatalytic Properties of Low-Temperature $\text{I}^2\text{-BiNbO}_4$ Using Nb-Citrate Precursor. <i>Nanoscale Research Letters</i> , 2015, 10, 457.	5.7	15
75	Interplay of Confinement and Surface Energetics in the Interaction of Water with a Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7562-7567.	3.1	14
76	Construction of 3,7-Dithienyl Phenothiazine-Based Organic Dyes via Multistep Direct C-H Arylation Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 8114-8126.	3.2	14
77	Fabrication and Characterization of ZnO Nano-Clips by the Polyol-Mediated Process. <i>Nanoscale Research Letters</i> , 2018, 13, 47.	5.7	14
78	Manipulating Oxidation States of Copper within Cu-BTC Using $\text{Na}_2\text{S}_2\text{O}_3$ as a New Strategy for Enhanced Adsorption of Sulfide. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19503-19510.	3.7	14
79	4D Printing of a Fully Biobased Shape Memory Copolyester via a UV-Assisted FDM Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6304-6312.	6.7	14
80	Resistive switching in BiFeO_3 -based heterostructures due to ferroelectric modulation on interface Schottky barriers. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3251-3256.	2.2	13
81	Electromechanical Response from $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10146-10151.	8.0	13
82	Tuning Alkane Adsorption on Mixed-Linker Zeolitic Imidazolate Framework-8-90 via Controllable Ligand Hybridization: Insight into the Confinement from an Energetics Perspective. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 13274-13283.	3.7	13
83	Contributions of optimized tensor interactions on the binding energies of nuclei. <i>Nuclear Science and Techniques/Hewuli</i> , 2020, 31, 1.	3.4	13
84	High pyroelectric performance due to ferroelectric-antiferroelectric transition near room temperature. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7820-7827.	5.5	13
85	Elucidating the promoting role of Mo_2C in methane activation using $\text{Ni-xMo}_2\text{C}/\text{FAU}$ to catalyze methane steam reforming. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121250.	20.2	13
86	Regioselective Synthesis of 2- and 3-Substituted Imidazo[1,2-a]pyridines. <i>Journal of Chemical Research</i> , 2012, 36, 687-690.	1.3	12
87	One-pot synthesis of binderless zeolite A spheres via <i>in situ</i> hydrothermal conversion of silica gel precursors. <i>AIChE Journal</i> , 2018, 64, 4027-4038.	3.6	12
88	Rapid preparation and uniformity control of B_4C ceramic double-curvature shells: Aim to advance its applications as ICF capsules. <i>Journal of Alloys and Compounds</i> , 2018, 762, 67-72.	5.5	12
89	Ferroelastic-Domain-Assisted Mechanical Switching of Ferroelectric Domains in $\text{Pb}(\text{Zr,Ti})\text{O}_3$ Thin Films. <i>Advanced Electronic Materials</i> , 2020, 6, 2000300.	5.1	12
90	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24285-24294.	8.0	12

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91	Room temperature ferromagnetism in ZnO prepared by microemulsion. <i>AIP Advances</i> , 2011, 1, 032127.	1.3	11
92	Rapid preparation of dense Gd ₂ Zr ₂ O ₇ nano-grain ceramics by microwave sintering in air. <i>Ceramics International</i> , 2019, 45, 10930-10935.	4.8	11
93	Energetic Cost for Being a Redox-Site-Rich in Pseudocapacitive Energy Storage with Nickel-Aluminum Layered Double Hydroxide Materials. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3745-3753.	4.6	11
94	Band structure engineering of van der Waals heterostructures using ferroelectric clamped sandwich structures. <i>Physical Review B</i> , 2021, 103, .	3.2	11
95	Tip-Induced In-Plane Ferroelectric Superstructure in Zigzag-Wrinkled BaTiO ₃ Thin Films. <i>Nano Letters</i> , 2022, 22, 2859-2866.	9.1	11
96	High-resolution characterization of multiferroic heterojunction using aberration-corrected scanning transmission electron microscopy. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	10
97	Thermodynamic, Thermal, and Structural Stability of Bimetallic MIL-53 (Al-Cr). <i>Journal of Physical Chemistry C</i> , 2021, 125, 14039-14047.	3.1	10
98	Unveiling the Interfacial and Structural Heterogeneity of Ti ₃ C ₂ T _x MXene Etched with CoF ₂ /HCl by Integrated <i>In Situ</i> Thermal Analysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52125-52133.	8.0	10
99	Effects of Al ₂ O ₃ phase composition on ALON powder synthesis via aluminothermic reduction and nitridation. <i>International Journal of Materials Research</i> , 2014, 105, 409-412.	0.3	9
100	Energetics of hydration on uranium oxide and peroxide surfaces. <i>Journal of Materials Research</i> , 2019, 34, 3319-3325.	2.6	9
101	Pd(II)-Catalyzed Regioselective Multiple C-H Arylations of 1-Naphthamides with Cyclic Diaryliodonium Salts: One-Step Access to [4]- and [5]Carbohelicenes. <i>Organic Letters</i> , 2020, 22, 135-139.	4.6	9
102	Titanicene-derived TiO ₂ quantum dot@carbon encapsulated ZnO nanorod anodes for stable lithium storage. <i>Dalton Transactions</i> , 2020, 49, 10866-10873.	3.3	9
103	Synthesis of Imidazole-Based [30]Heptaphyrin and Stable Figure-Eight [60]Tetradecaphyrins via [5 + 2] Condensations in One Pot. <i>Organic Letters</i> , 2021, 23, 3746-3750.	4.6	9
104	Energetics, Interlayer Molecular Structures, and Hydration Mechanisms of Dimethyl Sulfoxide (DMSO)-Kaolinite Nanoclay Guest-Host Interactions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9973-9981.	4.6	9
105	Bromide anion-triggered visible responsive metallogels based on squaramide complexes. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1597-1603.	6.0	8
106	Hydration Energetics of a Diamine-Appended Metal-Organic Framework Carbon Capture Sorbent. <i>Journal of Physical Chemistry C</i> , 2020, 124, 398-403.	3.1	8
107	<i>In Situ</i> Hydrothermal Conversion of Silica Gel Precursors to Binderless Zeolite X Pellets for Enhanced Olefin Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9997-10009.	3.7	8
108	Thermodynamics of Water-Cationic Species-Organic Framework Guest-Host Interactions within Transition Metal Ion-Exchanged Mordenite Relevant to Selective Anaerobic Oxidation of Methane to Methanol. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4774-4784.	4.6	8

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109	Copper-catalyzed remote C-H arylation of polycyclic aromatic hydrocarbons (PAHs). Beilstein Journal of Organic Chemistry, 2020, 16, 530-536.	2.2	8
110	Structure-Property-Energetics Relationship of Organosulfide Capture Using Cu(I)/Cu(II)-BTC Edited by Valence Engineering. Industrial & Engineering Chemistry Research, 2021, 60, 371-377.	3.7	8
111	Machine-learning-guided reaction kinetics prediction towards solvent identification for chemical absorption of carbonyl sulfide. Chemical Engineering Journal, 2022, 444, 136662.	12.7	8
112	Tuning the Catalytic Activity and Stability of Al-Ti Bimetallic Species Immobilized on MgO-Al ₂ O ₃ -SiO ₂ for 1-Decene Oligomerization. Industrial & Engineering Chemistry Research, 2018, 57, 6664-6672.	3.7	7
113	Surface morphology and microstructure evolution of B ₄ C ceramic hollow microspheres prepared by wet coating method on a pyrolysis substrate. Ceramics International, 2019, 45, 7916-7922.	4.8	7
114	Liquid-solid solution synthesis of ultrafine Gd ₂ Zr ₂ O ₇ nanoparticles with yield enhancement. Ceramics International, 2020, 46, 1216-1219.	4.8	7
115	γ -delayed one-neutron emission probabilities within a neural network model. Physical Review C, 2021, 104, .	2.9	7
116	Molecular design of new organic sensitizers based on thieno[1,4]benzothiazine for dye-sensitized solar cells. RSC Advances, 2015, 5, 56865-56871.	3.6	6
117	Chemical strain-dependent two-dimensional transport at $\text{AlO}_x/\text{SiO}_2$ interfaces		

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127	High-Performance Ruthenium Sensitizers Containing Imidazolium Counterions for Efficient Dye Sensitization in Water. <i>ChemSusChem</i> , 2017, 10, 2914-2921.	6.8	4
128	Surface energetics of carbon nanotubes-based nanocomposites fabricated by microwave-assisted approach. <i>Journal of Materials Research</i> , 2019, 34, 3361-3367.	2.6	4
129	Recent advances in experimental thermodynamics of metal-organic frameworks. <i>Powder Diffraction</i> , 2019, 34, 297-301.	0.2	4
130	Real-time monitoring of surface acetone enolization and aldolization. <i>Catalysis Science and Technology</i> , 2020, 10, 935-939.	4.1	4
131	A Comparative Study of Fibroblast Behaviors under Cyclic Stress Stimulus and Static Culture on 3D Patterned Matrix. <i>Journal of Bionic Engineering</i> , 2013, 10, 148-155.	5.0	3
132	Dehydration Pathway of $\text{CoF}_2 \cdot 4\text{H}_2\text{O}$ Revisited by Integrated ex Situ and in Situ Calorimetric and Structural Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3551-3556.	3.1	3
133	Determining the hydration energetics on carbon-supported Ru catalysts: An adsorption calorimetry and density functional theory study. <i>Catalysis Today</i> , 2021, 365, 172-180.	4.4	3
134	Formation Energetics and Guest-Host Interactions of Molybdenum Carbide Confined in Zeolite Y. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13991-14003.	3.7	3
135	Realizing the enhanced cyclability of a cactus-like NiCo_2O_4 nanocrystal anode fabricated by molecular layer deposition. <i>Dalton Transactions</i> , 2021, 50, 511-519.	3.3	3
136	CHEMICAL VAPOR DEPOSITION OF $\text{Zr}_x\text{Hf}_{1-x}\text{O}_2$ THIN FILMS USING ANHYDROUS MIXED-METAL NITRATES PRECURSORS. <i>Integrated Ferroelectrics</i> , 2008, 97, 93-102.	0.7	2
137	Interface modulation and resistive switching evolution in Pt/NiO x / $\text{Al}_2\text{O}_3/n$ -Si structure. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 1365-1370.	2.3	2
138	Thermodynamics of Complex Solids. <i>Journal of Materials Research</i> , 2019, 34, 3241-3242.	2.6	2
139	Thermodynamics of molybdenum trioxide encapsulated in zeolite Y. <i>AIChE Journal</i> , 2021, 67, e17464.	3.6	2
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