

Jing

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

75
papers

1,345
citations

19
h-index

33
g-index

88
ext. papers

2,003
ext. citations

8.5
avg, IF

5.08
L-index

#	Paper	IF	Citations
75	Oxygen Vacancy Engineering Promoted Photocatalytic Ammonia Synthesis on Ultrathin Two-Dimensional Bismuth Oxybromide Nanosheets. <i>Nano Letters</i> , 2018 , 18, 7372-7377	11.5	200
74	Hydrogen Evolution Reaction in Alkaline Media: Alpha- or Beta-Nickel Hydroxide on the Surface of Platinum?. <i>ACS Energy Letters</i> , 2018 , 3, 237-244	20.1	148
73	Atomic Substitution Enabled Synthesis of Vacancy-Rich Two-Dimensional Black TiO Nanoflakes for High-Performance Rechargeable Magnesium Batteries. <i>ACS Nano</i> , 2018 , 12, 12492-12502	16.7	85
72	Molecular Design of Fused-Ring Phenazine Derivatives for Long-Cycling Alkaline Redox Flow Batteries. <i>ACS Energy Letters</i> , 2020 , 5, 411-417	20.1	67
71	Designing promising molecules for organic solar cells via machine learning assisted virtual screening. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17480-17488	13	50
70	Dual Role of a Photocatalyst: Generation of Ni(0) Catalyst and Promotion of Catalytic C-N Bond Formation. <i>ACS Catalysis</i> , 2018 , 8, 1456-1463	13.1	43
69	Oxygen Species on Nitrogen-Doped Carbon Nanosheets as Efficient Active Sites for Multiple Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11678-11688	9.5	42
68	Prediction on the light-assisted exfoliation of multilayered arsenene by the photo-isomerization of azobenzene. <i>Nanoscale</i> , 2017 , 9, 7006-7011	7.7	30
67	Competitive Selection of Conformation Chirality of Water-Soluble Pillar[5]arene Induced by Amino Acid Derivatives. <i>Organic Letters</i> , 2020 , 22, 2266-2270	6.2	28
66	Toward Stable Lithium Plating/Stripping by Successive Desolvation and Exclusive Transport of Li Ions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10461-10470	9.5	27
65	Molecular Quantum Dot Cellular Automata Based on Diboryl Monoradical Anions. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2454-2460	3.8	27
64	Dual Intrarecticular Oxidation of Mixed-Ligand Metal-Organic Frameworks for Stepwise Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3049-3053	16.4	26
63	Lewis Acid-Catalyzed Selective Reductive Decarboxylative Pyridylation of N-Hydroxyphthalimide Esters: Synthesis of Congested Pyridine-Substituted Quaternary Carbons. <i>ACS Catalysis</i> , 2019 , 9, 10142-10151	13.1	25
62	Catalytic enantioselective synthesis of cyclopropanes featuring vicinal all-carbon quaternary stereocenters with a CH ₂ F group; study of the influence of C-H...H interactions on reactivity. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2960-2968	5.2	25
61	Nonradiative Triplet Loss Suppressed in Organic Photovoltaic Blends with Fluoridated Nonfullerene Acceptors. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4359-4366	16.4	24
60	van der Waals Epitaxial Growth and Interfacial Passivation of Two-Dimensional Single-Crystalline Few-Layer Gray Arsenic Nanoflakes. <i>Chemistry of Materials</i> , 2019 , 31, 4524-4535	9.6	23
59	Chelation-assisted formation of multi-yolk-shell Co ₄ N@carbon nanoboxes for self-discharge-suppressed high-performance LiFeS ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20302-20309	13	22

58	The Peculiar Role of the Au Unit in Au Clusters: π Aromaticity of the AuZn Ion. <i>Inorganic Chemistry</i> , 2017 , 56, 5793-5803	5.1	20
57	Near-Infrared-Responsive Photo-Driven Nitrogen Fixation Enabled by Oxygen Vacancies and Sulfur Doping in Black TiOS Nanoplatelets. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4975-4983	9.5	19
56	Transferable Multilevel Attention Neural Network for Accurate Prediction of Quantum Chemistry Properties via Multitask Learning. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 1066-1082	6.1	19
55	Surface modification of porous PLGA scaffolds with plasma for preventing dimensional shrinkage and promoting scaffold-cell/tissue interactions. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7605-7613	7.3	19
54	Tuning the liquid-phase exfoliation of arsenic nanosheets by interaction with various solvents. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12087-12090	3.6	18
53	Formation of a mixed-valence Cu(i)/Cu(ii) metal-organic framework with the full light spectrum and high selectivity of CO photoreduction into CH. <i>Chemical Science</i> , 2020 , 11, 10143-10148	9.4	18
52	Theoretical Investigations on the Roles of Intramolecular Structure Distortion versus Irregular Intermolecular Packing in Optical Spectra of 6T Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 2513-2520	9.6	17
51	Chemically Self-Charging Aqueous Zinc-Organic Battery. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15369-15377	16.4	16
50	An excellent example illustrating the fluorescence sensing property of cobalt-organic frameworks. <i>Dalton Transactions</i> , 2019 , 48, 2285-2289	4.3	14
49	Accurate Prediction of NMR Chemical Shifts in Macromolecular and Condensed-Phase Systems with the Generalized Energy-Based Fragmentation Method. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 5231-5239	6.4	14
48	In(III) Metal-Organic Framework Incorporated with Enzyme-Mimicking Nickel Bis(dithiolene) Ligand for Highly Selective CO Electroreduction. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14071-14076	16.4	14
47	An On-the-Fly Approach to Construct Generalized Energy-Based Fragmentation Machine Learning Force Fields of Complex Systems. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5007-5014	2.8	13
46	Superlubricity of Fullerene Derivatives Induced by Host-Guest Assembly. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18924-18933	9.5	12
45	How intermolecular interactions influence electronic absorption spectra: insights from the molecular packing of uracil in condensed phases. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 4072-4081	3.6	11
44	Structures and Spectroscopic Properties of Large Molecules and Condensed-Phase Systems Predicted by Generalized Energy-Based Fragmentation Approach. <i>Accounts of Chemical Research</i> , 2021 , 54, 169-181	24.3	11
43	The precise editing of surface sites on a molecular-like gold catalyst for modulating regioselectivity. <i>Chemical Science</i> , 2020 , 11, 8000-8004	9.4	10
42	A low symmetry cluster meets a low symmetry ligand to sharply boost MOF thermal stability. <i>Chemical Communications</i> , 2020 , 56, 11985-11988	5.8	10
41	Tuning the collective switching behavior of azobenzene/Au hybrid materials: flexible versus rigid azobenzene backbones and Au(111) surfaces versus curved Au nanoparticles. <i>Nanoscale</i> , 2017 , 9, 16700-16710	7.7	9

40	Unexpected solvent effects on the UV/Vis absorption spectra of <i>p</i> -cresol in toluene and benzene: in contrast with non-aromatic solvents. <i>Royal Society Open Science</i> , 2018 , 5, 171928	3.3	9
39	Molecular Origin of the Biologically Accelerated Mineralization of Hydroxyapatite on Bacterial Cellulose for More Robust Nanocomposites. <i>Nano Letters</i> , 2021 ,	11.5	9
38	Missing-Linker 2D Conductive Metal Organic Frameworks for Rapid Gas Detection. <i>ACS Sensors</i> , 2021 , 6, 429-438	9.2	9
37	The effect of electrostatic field on the catalytic properties of platinum clusters confined in zeolite for hydrogenation. <i>Catalysis Science and Technology</i> , 2018 , 8, 6384-6395	5.5	9
36	Oxazolidine Transient Bases as Molecular Platforms for Testing Dynamic CO Capture in Biochemical Systems. <i>ACS Omega</i> , 2018 , 3, 2883-2894	3.9	8
35	Polarization Effects on the Cellulose Dissolution in Ionic Liquids: Molecular Dynamics Simulations with Polarization Model and Integrated Tempering Enhanced Sampling Method. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 4319-4332	3.4	7
34	A pair of 3D enantiotopic zinc(ii) complexes based on two asymmetric achiral ligands. <i>Dalton Transactions</i> , 2017 , 46, 14779-14784	4.3	7
33	Unlocking the action mechanisms of molecular nonlinear optical absorption for optical conjugated polymers under aggregation states. <i>Polymer Chemistry</i> , 2019 , 10, 114-124	4.9	7
32	Simultaneous Optimization of Donor/Acceptor Pairs and Device Specifications for Nonfullerene Organic Solar Cells Using a QSPR Model with Morphological Descriptors. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4980-4986	6.4	7
31	Improved generalized energy-based fragmentation approach and its applications to the binding energies of supramolecular complexes. <i>Electronic Structure</i> , 2019 , 1, 044003	2.6	6
30	Cyclometalated Iridium(III) Complexes Incorporating Aromatic Phosphonate Ligands: Syntheses, Structures, and Tunable Optical Properties. <i>ACS Omega</i> , 2019 , 4, 16543-16550	3.9	5
29	Synergistic steric pairing effects of terfluorenes with ternary side groups on E-conformation transition: experiments and computations. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1551-1561	7.1	5
28	A light-driven modulation of electric conductance through the adsorption of azobenzene onto silicon-doped- and pyridine-like N-vacancy graphene. <i>Nanoscale</i> , 2017 , 9, 19017-19025	7.7	5
27	Aggregation-induced visible light absorption makes reactant 1,2-diisocyanoarenes act as photosensitizers in double radical isocyanide insertions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 31443-31451	3.6	5
26	Ligand Effects of BrettPhos and RuPhos on Rate-Limiting Steps in Buchwald-Hartwig Amination Reaction Due to the Modulation of Steric Hindrance and Electronic Structure. <i>ACS Omega</i> , 2020 , 5, 21385-21397	3.9	5
25	Role of Synergistic C _H ⋯N and C _H ⋯O H-Bonding Interactions in Self-Assemblies of a Phthalocyanine Derivative and Several Pyridine Derivatives. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24158-24163	3.8	5
24	Planar versus Nonplanar Pd Clusters: Stability and CO Oxidation Activity of Pd Clusters with and without TiO ₂ (110) Substrate. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13739-13747	3.8	4
23	Cooperative Multipoint Recognition of Sialic Acid by Benzoboroxole-Based Receptors Bearing Cationic Hydrogen-Bond Donors. <i>Journal of Organic Chemistry</i> , 2020 , 85, 8330-8338	4.2	4

22	Zeolite Adsorption Isotherms Predicted by Pore Channel and Local Environmental Descriptors: Feature Learning on DFT Binding Strength. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 9314-9328	3.8	4
21	A Two-Ended Data-Driven Accelerated Sampling Method for Exploring the Transition Pathways between Two Known States of Protein. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 4631-4640	6.4	4
20	Heterochelation boosts sodium storage in Pd conjugated coordination polymers. <i>Energy and Environmental Science</i> ,	35.4	4
19	Building quantum mechanics quality force fields of proteins with the generalized energy-based fragmentation approach and machine learning. <i>Physical Chemistry Chemical Physics</i> , 2021 ,	3.6	4
18	Photodriven Catalytic Hydrogenation of CO to CH with Nearly 100% Selectivity over Ag Clusters. <i>Nano Letters</i> , 2021 , 21, 8693-8700	11.5	4
17	A Data-Driven Accelerated Sampling Method for Searching Functional States of Proteins. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800171	3.5	4
16	Machine learning on properties of multiscale multisource hydroxyapatite nanoparticles datasets with different morphologies and sizes. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	4
15	Selectivity control of Pd(PMe)-catalyzed hydrogenation of internal alkynes to E-alkenes by reaction time and water content in formic acid. <i>Dalton Transactions</i> , 2019 , 48, 10033-10042	4.3	3
14	Computational and data driven molecular material design assisted by low scaling quantum mechanics calculations and machine learning.. <i>Chemical Science</i> , 2021 , 12, 14987-15006	9.4	3
13	Programmable nano-reactors for stochastic sensing. <i>Nature Communications</i> , 2021 , 12, 5811	17.4	3
12	Role of Graphite Felt Electrode and Electron Delocalization of Cinnamate Ester in Electrochemical Hydrogenation Reaction. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 13871-13879	3.8	3
11	Hydrogen Bonding Promoted Tautomerism between Azo and Hydrazone Forms in Calcon with Multistimuli Responsiveness and Biocompatibility. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 2110-2122	6.1	3
10	Linking inhibitor motions to proteolytic stability of sunflower trypsin inhibitor-1.. <i>RSC Advances</i> , 2019 , 9, 13776-13786	3.7	2
9	On-Demand Electrical Switching of Antibody-Antigen Binding on Surfaces.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 738-747	4.1	2
8	Unconventional O-H...C Hydrogen Bonding and Effects of Conformational Changes on Infrared Spectroscopy of o-Cresol in Solutions. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 10196-10206	2.8	2
7	Shear viscosity prediction of alcohols, hydrocarbons, halogenated, carbonyl, nitrogen-containing, and sulfur compounds using the variable force fields. <i>Journal of Chemical Physics</i> , 2021 , 154, 074502	3.9	2
6	Promoting Z-to-E Thermal Isomerization of Azobenzene Derivatives by Noncovalent Interaction with Phosphorene: Theoretical Prediction and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15961-15968	3.8	1
5	Observing halogen-bond-assisted electron transport in high-performance polymer solar cells. <i>Applied Physics Letters</i> , 2021 , 119, 183302	3.4	1

4	Layer or Tube? Uncovering Key Factors Determining the Rolling-up of Layered Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17587-17598	16.4	1
3	Controlled Fluorescence Enhancement of DNA-Binding Dye Through Chain Length Match between Oligoguanine and TOTO. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 518-527	3.4	1
2	Effect of the Defect Modulator and Ligand Length of Metal-Organic Frameworks on Carbon Dioxide Photoreduction.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 61578-61586	9.5	1
1	Enhanced Electron Transfer and Spin Flip through Spin-Orbital Couplings in Organic/Inorganic Heterojunctions: A Nonadiabatic Surface Hopping Simulation. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4840-4848	6.4	0