

# Yi Luo

## List of Publications by Year in descending order

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645  
papers

34,882  
citations

3919

88  
h-index

6818

155  
g-index

662  
all docs

662  
docs citations

662  
times ranked

33885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal disparities and source tracking of airborne antibiotic resistance genes in Handan, China. <i>Journal of Hazardous Materials</i> , 2022, 422, 126844.	6.5	15
2	Gut microbiota exaggerates triclosan-induced liver injury via gut-liver axis. <i>Journal of Hazardous Materials</i> , 2022, 421, 126707.	6.5	52
3	Long-term spatiotemporal variation of antimicrobial resistance genes within the <i>Serratia marcescens</i> population and transmission of <i>S. marcescens</i> revealed by public whole-genome datasets. <i>Journal of Hazardous Materials</i> , 2022, 423, 127220.	6.5	7
4	Macrolides mediate transcriptional activation of the <i>msrA</i> - <i>mphA</i> operon through histone-like nucleoid-structuring protein (HNS) and cAMP receptor protein (CRP). <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 391-399.	1.3	2
5	Towards high-performance sustainable polymers via isomerization-driven irreversible ring-opening polymerization of five-membered thionolactones. <i>Nature Chemistry</i> , 2022, 14, 294-303.	6.6	73
6	Characterization of a novel broad-spectrum endolysin PlyD4 encoded by a highly conserved prophage found in <i>Aeromonas hydrophila</i> ST251 strains. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 699-711.	1.7	3
7	The impact of COVID-19 on urban PM2.5 –taking Hubei Province as an example. <i>Environmental Pollution</i> , 2022, 294, 118633.	3.7	15
8	Theoretical mechanistic insights into dinitrogen cleavage by a dititanium hydride complex bearing PNP-pincer ligands. <i>Dalton Transactions</i> , 2022, 51, 918-926.	1.6	2
9	Multivariate Linear Regression Models to Predict Monomer Poisoning Effect in Ethylene/Polar Monomer Copolymerization Catalyzed by Late Transition Metals. <i>Inorganics</i> , 2022, 10, 26.	1.2	3
10	Toward Rational Design of Dual-Metal-Site Catalysts: Catalytic Descriptor Exploration. <i>ACS Catalysis</i> , 2022, 12, 3420-3429.	5.5	40
11	Graphene-controlled FeSe nanoparticles embedded in carbon nanofibers for high-performance potassium-ion batteries. <i>Science China Materials</i> , 2022, 65, 1751-1760.	3.5	9
12	On-Surface Debromination of C <sub>6</sub> Br <sub>6</sub> : C <sub>6</sub> Ring versus C <sub>6</sub> Chain. <i>ACS Nano</i> , 2022, 16, 6578-6584.	7.3	14
13	Dinitrogen Cleavage and Functionalization with Carbon Dioxide in a Dititanium Dihydride Framework. <i>Journal of the American Chemical Society</i> , 2022, 144, 6972-6980.	6.6	19
14	Observing Two-Dimensional Spontaneous Reaction between a Silicon Electrode and a LiPF <sub>6</sub> -Based Electrolyte <i>In Situ</i> and in Real Time. <i>Journal of Physical Chemistry Letters</i> , 2022, , 3224-3229.	2.1	2
15	Ring-opening polymerization of l-lactide catalyzed by food sweetener saccharin with organic base mediated: A computational study. <i>Polymer</i> , 2022, 246, 124747.	1.8	3
16	Hydrogenated Oxide Material for Self-Targeting and Automatic Degrading Photothermal Tumor Therapy in the NIR-Bio Window. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
17	Optical Images of Molecular Vibronic Couplings from Tip-Enhanced Fluorescence Excitation Spectroscopy. <i>Jacs Au</i> , 2022, 2, 150-158.	3.6	8
18	Colonization of gut microbiota by plasmid-carrying bacteria is facilitated by evolutionary adaptation to antibiotic treatment. <i>ISME Journal</i> , 2022, 16, 1284-1293.	4.4	18

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19	NaCl salinity enhances tetracycline bioavailability to <i>Escherichia coli</i> on agar surfaces. <i>Chemosphere</i> , 2022, 302, 134921.	4.2	2
20	Temporal and Spatial Effects of Urbanization on Regional Thermal Comfort. <i>Land</i> , 2022, 11, 688.	1.2	3
21	Mechanistic Studies on Nickel-Catalyzed Ethylene Polymerization: Ligand Effects and Quantitative Structure-Activity Relationship Model. <i>Organometallics</i> , 2022, 41, 3212-3218.	1.1	3
22	A PCA-LSTM-Based Method for Fault Diagnosis and Data Recovery of Dry-Type Transformer Temperature Monitoring Sensor. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5624.	1.3	4
23	Phononic Fine-Tuning in a Prototype Two-Dimensional Hybrid Organic-Inorganic Perovskite System. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5480-5487.	2.1	1
24	Characteristics of Wild Bird Resistomes and Dissemination of Antibiotic Resistance Genes in Interconnected Bird-Habitat Systems Revealed by Similarity of <i>bla</i> <sub>TEM</sub> Polymorphic Sequences. <i>Environmental Science &amp; Technology</i> , 2022, 56, 15084-15095.	4.6	18
25	Wavelike electronic energy transfer in donor-acceptor molecular systems through quantum coherence. <i>Nature Nanotechnology</i> , 2022, 17, 729-736.	15.6	19
26	The prevalence of ampicillin-resistant opportunistic pathogenic bacteria undergoing selective stress of heavy metal pollutants in the Xiangjiang River, China. <i>Environmental Pollution</i> , 2021, 268, 115362.	3.7	28
27	Colistin and amoxicillin combinatorial exposure alters the human intestinal microbiota and antibiotic resistome in the simulated human intestinal microbiota. <i>Science of the Total Environment</i> , 2021, 750, 141415.	3.9	14
28	Significant higher airborne antibiotic resistance genes and the associated inhalation risk in the indoor than the outdoor. <i>Environmental Pollution</i> , 2021, 268, 115620.	3.7	17
29	Antibiotic contamination amplifies the impact of foreign antibiotic-resistant bacteria on soil bacterial community. <i>Science of the Total Environment</i> , 2021, 758, 143693.	3.9	28
30	Theoretical insight into the opposite redox activity of iron complexes toward the ring opening polymerization of lactide and epoxide. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1005-1014.	3.0	5
31	The correct assignment of vibrationally-resolved absorption spectra of protonated anthracene isomers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118832.	2.0	1
32	Narrowband Emission from Organic Fluorescent Emitters with Dominant Low-Frequency Vibronic Coupling. <i>Advanced Optical Materials</i> , 2021, 9, 2001845.	3.6	98
33	Degradation of Polydienes Induced by Alkylolithium: Characterization and Reaction Mechanism. <i>Macromolecules</i> , 2021, 54, 1147-1158.	2.2	8
34	Copper-catalyzed four-component reaction of alkenes, Togni's reagent, amines and CO <sub>2</sub> : stereoselective synthesis of <i>Z</i> -enol carbamates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1851-1857.	2.3	5
35	Edge-effect enhanced catalytic CO oxidation by atomically dispersed Pt on nitride-graphene. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2093-2098.	5.2	5
36	DBU and TU synergistically induced ring-opening polymerization of phosphate esters: a mechanism study. <i>New Journal of Chemistry</i> , 2021, 45, 1953-1958.	1.4	2

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37	Theoretical Studies of Rare-Earth-Catalyzed [3 + 2] Annulation of Aromatic Aldimine with Styrene: Mechanism and Origin of Diastereoselectivity. <i>Journal of Organic Chemistry</i> , 2021, 86, 4236-4244.	1.7	16
38	Determining structural and chemical heterogeneities of surface species at the single-bond limit. <i>Science</i> , 2021, 371, 818-822.	6.0	77
39	Probing intramolecular vibronic coupling through vibronic-state imaging. <i>Nature Communications</i> , 2021, 12, 1280.	5.8	34
40	Spatial Confinement of a Carbon Nanocone for an Efficient Oxygen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2252-2258.	2.1	4
41	Raman Detection of Bond Breaking and Making of a Chemisorbed Up-Standing Single Molecule at Single-Bond Level. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1961-1968.	2.1	18
42	Synergistic Effect of Boron Nitride and Carbon Domains in Boron Carbide Nitride Nanotube Supported Single-Atom Catalysts for Efficient Nitrogen Fixation. <i>Chemistry - A European Journal</i> , 2021, 27, 6945-6953.	1.7	17
43	Synthesis of Thermoplastic Elastomers by Yttrium-Catalyzed Isospecific <i>trans</i> -1,4-Polymerization of <i>trans</i> -1,3-Pentadiene. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1285-1291.	2.0	6
44	Bridged Azobenzene Enables Dynamic Control of Through-Space Charge Transfer for Photochemical Conversion. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3868-3874.	2.1	3
45	Pd <sub>4</sub> S <sub>3</sub> Se <sub>3</sub> , Pd <sub>4</sub> S <sub>3</sub> Te <sub>3</sub> , and Pd <sub>4</sub> Se <sub>3</sub> Te <sub>3</sub> : Candidate Two-Dimensional Janus Materials for Photocatalytic Water Splitting. <i>Chemistry of Materials</i> , 2021, 33, 4128-4134.	3.2	59
46	First-Principles Observation of Bonded 2D B4C3 Bilayers. <i>ACS Omega</i> , 2021, 6, 13218-13224.	1.6	0
47	Cooperative Single-Atom Active Centers for Attenuating the Linear Scaling Effect in the Nitrogen Reduction Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5233-5240.	2.1	25
48	Antibiotic Resistance Gene-Carrying Plasmid Spreads into the Plant Endophytic Bacteria using Soil Bacteria as Carriers. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10462-10470.	4.6	63
49	Ocular manifestations in Chinese adult patients with NLRP3-associated autoinflammatory disease. <i>Scientific Reports</i> , 2021, 11, 11904.	1.6	5
50	Ultrahigh Carrier Mobility in the Two-Dimensional Semiconductors B <sub>8</sub> Si <sub>4</sub> , B <sub>8</sub> Ge <sub>4</sub> , and B <sub>8</sub> Sn <sub>4</sub> . <i>Chemistry of Materials</i> , 2021, 33, 6475-6483.	3.2	104
51	Impact of urban expansion on vegetation: The case of China (2000–2018). <i>Journal of Environmental Management</i> , 2021, 291, 112598.	3.8	51
52	Regulating Electronic Spin Moments of Single-Atom Catalyst Sites via Single-Atom Promoter Tuning on S-Vacancy MoS <sub>2</sub> for Efficient Nitrogen Fixation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8355-8362.	2.1	63
53	Ordered Water Layer on the Macroscopically Hydrophobic Fluorinated Polymer Surface and Its Ultrafast Vibrational Dynamics. <i>Journal of the American Chemical Society</i> , 2021, 143, 13074-13081.	6.6	30
54	Rare-Earth Aryloxide/Ylide-Functionalized Phosphine Frustrated Lewis Pairs for the Polymerization of 4-Vinylpyridine and Its Derivatives. <i>Macromolecules</i> , 2021, 54, 7724-7731.	2.2	7

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55	Diboron-mediated palladium-catalyzed asymmetric transfer hydrogenation using the proton of alcohols as hydrogen source. <i>Science China Chemistry</i> , 2021, 64, 1743-1749.	4.2	6
56	Electric Field Controlled Single-Molecule Optical Switch by Through-Space Charge Transfer State. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9094-9099.	2.1	4
57	Risk assessment of antibiotic resistance genes in the drinking water system. <i>Science of the Total Environment</i> , 2021, 800, 149650.	3.9	67
58	Rainfall facilitates the transmission and proliferation of antibiotic resistance genes from ambient air to soil. <i>Science of the Total Environment</i> , 2021, 799, 149260.	3.9	22
59	Wide-bandgap organic-inorganic hybrid and all-inorganic perovskite solar cells and their application in all-perovskite tandem solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 5723-5759.	15.6	114
60	Computational study of the copolymerization mechanism of ethylene with methyl 2-acetamidoacrylate catalyzed by phosphine-sulfonate palladium complexes. <i>New Journal of Chemistry</i> , 2021, 45, 16670-16678.	1.4	13
61	Computational insights into Ir-catalyzed allylic C-H amination of terminal alkenes: mechanism, regioselectivity, and catalytic activity. <i>RSC Advances</i> , 2021, 11, 19113-19120.	1.7	2
62	Alkali Metal Carboxylates: Simple and Versatile Initiators for Ring-Opening Alternating Copolymerization of Cyclic Anhydrides/Epoxydes. <i>Macromolecules</i> , 2021, 54, 713-724.	2.2	41
63	Structure-Based Relative Energy Prediction Model: A Case Study of Pd(II)-Catalyzed Ethylene Polymerization and the Electronic Effect of Ancillary Ligands. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12047-12053.	1.2	3
64	Highly Sensitive, Selective, Flexible and Scalable Room-Temperature NO <sub>2</sub> Gas Sensor Based on Hollow SnO <sub>2</sub> /ZnO Nanofibers. <i>Molecules</i> , 2021, 26, 6475.	1.7	9
65	Direct copolymerization of ethylene with protic comonomers enabled by multinuclear Ni catalysts. <i>Nature Communications</i> , 2021, 12, 6283.	5.8	41
66	Conformational Order of Alkyl Side Chain of Poly(3-alkylthiophene) Promotes Hole-Extraction Ability in Perovskite/Poly(3-alkylthiophene) Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11817-11823.	2.1	8
67	Occurrence and distribution of clinical and veterinary antibiotics in the faeces of a Chinese population. <i>Journal of Hazardous Materials</i> , 2020, 383, 121129.	6.5	83
68	Atmospheric implications of hydration on the formation of methanesulfonic acid and methylamine clusters: A theoretical study. <i>Chemosphere</i> , 2020, 244, 125538.	4.2	18
69	CO <sub>2</sub> Activation by Lewis Pairs Generated Under Copper Catalysis Enables Difunctionalization of Imines. <i>Journal of the American Chemical Society</i> , 2020, 142, 1966-1974.	6.6	56
70	First-principles study on the mechanism of photocatalytic reduction of nitrobenzene on the rutile TiO <sub>2</sub> (110) surface. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1187-1193.	1.3	14
71	Theoretical insight into the redox-switchable activity of group 4 metal complexes for the ring-opening polymerization of $\mu$ -caprolactone. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 961-971.	3.0	23
72	Chiral and Regenerable NAD(P)H Models Enabled Biomimetic Asymmetric Reduction: Design, Synthesis, Scope, and Mechanistic Studies. <i>Journal of Organic Chemistry</i> , 2020, 85, 2355-2368.	1.7	34

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73	Effects of Plasmon Modes on Resonant Raman Images of a Single Molecule. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 407-411.	2.1	7
74	Mechanistic Insights into La-Catalyzed Amidation of Aldehyde with Amine. <i>Organic Letters</i> , 2020, 22, 705-708.	2.4	6
75	The Effect of the Polyaromatic Hydrocarbon in the Formation of Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3942-3947.	7.2	5
76	Interfacial Hydrogen-Bonding Dynamics in Surface-Facilitated Dehydrogenation of Water on TiO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , 2020, 142, 826-834.	6.6	31
77	Theoretical study of the hydration effects on alkylamine and alkanolamine clusters and the atmospheric implication. <i>Chemosphere</i> , 2020, 243, 125323.	4.2	15
78	Gut resistomes, microbiota and antibiotic residues in Chinese patients undergoing antibiotic administration and healthy individuals. <i>Science of the Total Environment</i> , 2020, 705, 135674.	3.9	40
79	Spatial-temporal variations in urbanization in Kunming and their impact on urban lake water quality. <i>Land Degradation and Development</i> , 2020, 31, 1392-1407.	1.8	37
80	Clinical and genetic features of Chinese adult patients with tumour necrosis factor receptor-associated periodic fever syndrome. <i>Rheumatology</i> , 2020, 59, 1969-1974.	0.9	11
81	Regiodivergent C-H Alkylation of Quinolines with Alkenes by Half-Sandwich Rare-Earth Catalysts. <i>Journal of the American Chemical Society</i> , 2020, 142, 18128-18137.	6.6	45
82	A computational study of the reactivity of rare-earth/phosphorus Lewis pairs toward polymerization of conjugated polar alkenes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4600-4610.	3.0	3
83	Emerging linear activity trend in the oxygen evolution reaction with dual-active-sites mechanism. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20946-20952.	5.2	17
84	Selectively Scissoring Hydrogen-Bonded Cytosine Dimer Structures Catalyzed by Water Molecules. <i>ACS Nano</i> , 2020, 14, 10680-10687.	7.3	10
85	Spin Polarization-Induced Facile Dioxygen Activation in Boron-Doped Graphitic Carbon Nitride. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52741-52748.	4.0	15
86	Antibiotic Resistance and Virulence of Extraintestinal Pathogenic <i>Escherichia coli</i> (ExPEC) Vary According to Molecular Types. <i>Frontiers in Microbiology</i> , 2020, 11, 598305.	1.5	20
87	Hydrogen-Doping-Induced Metal-Like Ultrahigh Free-Carrier Concentration in Metal-Oxide Material for Giant and Tunable Plasmon Resonance. <i>Advanced Materials</i> , 2020, 32, e2004059.	11.1	57
88	Observation of inhomogeneous plasmonic field distribution in a nanocavity. <i>Nature Nanotechnology</i> , 2020, 15, 922-926.	15.6	62
89	Sub-nanometre resolution in single-molecule photoluminescence imaging. <i>Nature Photonics</i> , 2020, 14, 693-699.	15.6	152
90	A computational study of isoprene polymerization catalyzed by iminopyridine-supported iron complexes: Ligand-controlled selectivity. <i>Chemical Physics Letters</i> , 2020, 755, 137811.	1.2	3

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91	CeO <sub>2</sub> Nanoparticles Regulate the Propagation of Antibiotic Resistance Genes by Altering Cellular Contact and Plasmid Transfer. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10012-10021.	4.6	73
92	Regulation of Electronic Structure of Graphene Nanoribbon by Tuning Long-Range Dopant-Dopant Coupling at Distance of Tens of Nanometers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6907-6913.	2.1	5
93	Heavy metal copper accelerates the conjugative transfer of antibiotic resistance genes in freshwater microcosms. <i>Science of the Total Environment</i> , 2020, 717, 137055.	3.9	87
94	Benchmark study of density functionals for the insertions of olefin and polar monomers catalyzed by diimine palladium complexes. <i>Computational and Theoretical Chemistry</i> , 2020, 1187, 112942.	1.1	3
95	Realizing a Not-Strong-Not-Weak Polarization Electric Field in Single-Atom Catalysts Sandwiched by Boron Nitride and Graphene Sheets for Efficient Nitrogen Fixation. <i>Journal of the American Chemical Society</i> , 2020, 142, 19308-19315.	6.6	170
96	Conformational disorder of organic cations tunes the charge carrier mobility in two-dimensional organic-inorganic perovskites. <i>Nature Communications</i> , 2020, 11, 5481.	5.8	55
97	Mechanistic Studies for Palladium Catalyzed Copolymerization of Ethylene with Vinyl Ethers. <i>Polymers</i> , 2020, 12, 2401.	2.0	14
98	Harvesting of surface plasmon polaritons: Role of the confinement factor. <i>Journal of Chemical Physics</i> , 2020, 153, 094107.	1.2	1
99	Enantioselective Cyanoborylation of Allenes by N-Heterocyclic Carbene-Copper Catalysts. <i>ACS Catalysis</i> , 2020, 10, 11685-11692.	5.5	37
100	Recurrent fever of unknown origin: An overlooked symptom of Fabry disease. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2020, 8, e1454.	0.6	1
101	A Kinetic View on Proximity-Dependent Selectivity of Carbon Dioxide Reduction on Bifunctional Catalysts. <i>ACS Catalysis</i> , 2020, 10, 13518-13523.	5.5	14
102	Exceeding the volcano relationship in oxygen reduction/evolution reactions using single-atom-based catalysts with dual-active-sites. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10193-10198.	5.2	33
103	Mechanism Study of Molecular Deformation of 2,2,5,5-Tetramethylated p-Terphenyl-4,4-dithiol Trapped in Gold Junctions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4456-4461.	2.1	5
104	Theoretical Mechanistic Studies of Rh-Catalyzed C(sp <sup>3</sup> )-H Amination: A Comparison with Co Analogue and Metal Effects. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1526-1532.	2.6	4
105	Human activities and the natural environment have induced changes in the PM <sub>2.5</sub> concentrations in Yunnan Province, China, over the past 19 years. <i>Environmental Pollution</i> , 2020, 265, 114878.	3.7	24
106	Synergistic Effect of Surface-Terminated Oxygen Vacancy and Single-Atom Catalysts on Defective MXenes for Efficient Nitrogen Fixation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5051-5058.	2.1	88
107	Amoxicillin Increased Functional Pathway Genes and Beta-Lactam Resistance Genes by Pathogens Bloomed in Intestinal Microbiota Using a Simulator of the Human Intestinal Microbial Ecosystem. <i>Frontiers in Microbiology</i> , 2020, 11, 1213.	1.5	13
108	Monitoring antibiotic resistomes and bacterial microbiomes in the aerosols from fine, hazy, and dusty weather in Tianjin, China using a developed high-volume tandem liquid impinging sampler. <i>Science of the Total Environment</i> , 2020, 731, 139242.	3.9	15

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109	Impact of Active Site Density on Oxygen Reduction Reactions Using Monodispersed Fe-N-C Single-Atom Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 15271-15278.	4.0	55
110	Theoretical Mechanistic Insights into Dinitrogen Activation by a Diniobium Tetrahydride: Two-State Reactivity and the Role of Potassium Cation Promoter. <i>Inorganic Chemistry</i> , 2020, 59, 4626-4633.	1.9	8
111	A Hydrogenated Metal Oxide with Full Solar Spectrum Absorption for Highly Efficient Photothermal Water Evaporation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2502-2509.	2.1	44
112	High-efficiency photocatalyst for water splitting: a Janus MoSSe/XN (X = Ga, Al) van der Waals heterostructure. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 185504.	1.3	110
113	Ketones as Molecular Co-catalysts for Boosting Exciton-Based Photocatalytic Molecular Oxygen Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11093-11100.	7.2	43
114	Municipal Solid Waste Treatment System Increases Ambient Airborne Bacteria and Antibiotic Resistance Genes. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3900-3908.	4.6	70
115	Primary and Secondary Succession Mediate the Accumulation of Biogenic Amines during Industrial Semidry Chinese Rice Wine Fermentation. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	13
116	Colonization of Mice With Amoxicillin-Associated <i>Klebsiella variicola</i> Drives Inflammation via Th1 Induction and Treg Inhibition. <i>Frontiers in Microbiology</i> , 2020, 11, 1256.	1.5	14
117	Fragmentation Mechanism of White Phosphorus: A Theoretical Insight into Multiple Cleavage/Formation of P-P and P-C Bonds. <i>Chemistry - A European Journal</i> , 2020, 26, 13282-13287.	1.7	13
118	Analysis on driving factors of lake surface water temperature for major lakes in Yunnan-Guizhou Plateau. <i>Water Research</i> , 2020, 184, 116018.	5.3	72
119	Sharp-tip enhanced catalytic CO oxidation by atomically dispersed Pt <sub>1</sub> /Pt <sub>2</sub> on a raised graphene oxide platform. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12485-12494.	5.2	9
120	Neurological manifestations of autoinflammatory diseases in Chinese adult patients. <i>Seminars in Arthritis and Rheumatism</i> , 2020, 50, 1500-1506.	1.6	12
121	Creation of the Dirac Nodal Line by Extrinsic Symmetry Engineering. <i>Nano Letters</i> , 2020, 20, 2157-2162.	4.5	7
122	Tunable Hydrogen Doping of Metal Oxide Semiconductors with Acid-Metal Treatment at Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4136-4140.	6.6	65
123	Theoretical Spectroscopic Studies on Chemical and Electronic Structures of Selenocysteine and Pyrrolysine. <i>Journal of Physical Chemistry A</i> , 2020, 124, 2215-2224.	1.1	3
124	Theoretical studies on the N-X (X = Cl, O) bond activation mechanism in catalytic C-H amination. <i>Catalysis Science and Technology</i> , 2020, 10, 1914-1924.	2.1	5
125	Ionic Liquid Enriches the Antibiotic Resistome, Especially Efflux Pump Genes, Before Significantly Affecting Microbial Community Structure. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4305-4315.	4.6	21
126	Amorphous TiO <sub>2</sub> as a multifunctional interlayer for boosting the efficiency and stability of the CdS/cobaloxime hybrid system for photocatalytic hydrogen production. <i>Nanoscale</i> , 2020, 12, 11267-11279.	2.8	10



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127	Cooperative Nitrogen Activation and Ammonia Synthesis on Densely Monodispersed MoN <sub>4</sub> C Sites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3962-3968.	2.1	23
128	Ketones as Molecular Cocatalysts for Boosting Exciton-Based Photocatalytic Molecular Oxygen Activation. <i>Angewandte Chemie</i> , 2020, 132, 11186-11193.	1.6	9
129	Vancomycin exposure caused opportunistic pathogens bloom in intestinal microbiome by simulator of the human intestinal microbial ecosystem (SHIME). <i>Environmental Pollution</i> , 2020, 265, 114399.	3.7	30
130	The prolonged disruption of a single-course amoxicillin on mice gut microbiota and resistome, and recovery by inulin, <i>Bifidobacterium longum</i> and fecal microbiota transplantation. <i>Environmental Pollution</i> , 2020, 265, 114651.	3.7	23
131	Azo-Dimerization Mechanisms of <i>p</i> -Aminothiophenol and <i>p</i> -Nitrothiophenol Molecules on Plasmonic Metal Surfaces Revealed by Tip-Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11586-11594.	1.5	16
132	Using Machine Learning to Predict the Dissociation Energy of Organic Carbonyls. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3844-3850.	1.1	18
133	Electric Dipole Descriptor for Machine Learning Prediction of Catalyst Surface-Molecular Adsorbate Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 7737-7743.	6.6	65
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