

Yi Luo

List of Publications by Year in descending order

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645
papers

34,882
citations

3933

88
h-index

6836

155
g-index

662
all docs

662
docs citations

662
times ranked

33885
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Atom Pt as Co-Catalyst for Enhanced Photocatalytic H ₂ Evolution. <i>Advanced Materials</i> , 2016, 28, 2427-2431.	21.0	1,156
2	Nickel-vanadium monolayer double hydroxide for efficient electrochemical water oxidation. <i>Nature Communications</i> , 2016, 7, 11981.	12.8	808
3	Occurrence and Transport of Tetracycline, Sulfonamide, Quinolone, and Macrolide Antibiotics in the Haihe River Basin, China. <i>Environmental Science & Technology</i> , 2011, 45, 1827-1833.	10.0	786
4	Defect-Mediated Electron-Hole Separation in One-Unit-Cell ZnIn ₂ S ₄ Layers for Boosted Solar-Driven CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 7586-7594.	13.7	764
5	Atomically dispersed platinum supported on curved carbon supports for efficient electrocatalytic hydrogen evolution. <i>Nature Energy</i> , 2019, 4, 512-518.	39.5	756
6	Trends in Antibiotic Resistance Genes Occurrence in the Haihe River, China. <i>Environmental Science & Technology</i> , 2010, 44, 7220-7225.	10.0	661
7	Single Pt Atoms Confined into a Metal-Organic Framework for Efficient Photocatalysis. <i>Advanced Materials</i> , 2018, 30, 1705112.	21.0	599
8	Conversion of Dinitrogen to Ammonia by FeN ₃ -Embedded Graphene. <i>Journal of the American Chemical Society</i> , 2016, 138, 8706-8709.	13.7	562
9	Occurrence of sulfonamide and tetracycline-resistant bacteria and resistance genes in aquaculture environment. <i>Water Research</i> , 2012, 46, 2355-2364.	11.3	556
10	Boosting Photocatalytic Hydrogen Production of a Metal-Organic Framework Decorated with Platinum Nanoparticles: The Platinum Location Matters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9389-9393.	13.8	513
11	Prevalence and proliferation of antibiotic resistance genes in two municipal wastewater treatment plants. <i>Water Research</i> , 2015, 85, 458-466.	11.3	448
12	Versatile Room-Temperature-Phosphorescent Materials Prepared from N-Substituted Naphthalimides: Emission Enhancement and Chemical Conjugation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9872-9876.	13.8	343
13	Dinitrogen Cleavage and Hydrogenation by a Trinuclear Titanium Polyhydride Complex. <i>Science</i> , 2013, 340, 1549-1552.	12.6	327
14	Tuning Chemical Enhancement of SERS by Controlling the Chemical Reduction of Graphene Oxide Nanosheets. <i>ACS Nano</i> , 2011, 5, 952-958.	14.6	324
15	How Graphene Is Cut upon Oxidation?. <i>Journal of the American Chemical Society</i> , 2009, 131, 6320-6321.	13.7	323
16	Ultrathin amorphous cobalt-vanadium hydr(oxy)oxide catalysts for the oxygen evolution reaction. <i>Energy and Environmental Science</i> , 2018, 11, 1736-1741.	30.8	310
17	Visualizing coherent intermolecular dipole-dipole coupling in real space. <i>Nature</i> , 2016, 531, 623-627.	27.8	284
18	Cationic Alkyl Rare-Earth Metal Complexes Bearing an Ancillary Bis(phosphinophenyl)amido Ligand: A Catalytic System for Living cis-1,4-Polymerization and Copolymerization of Isoprene and Butadiene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1909-1913.	13.8	263

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19	New Mechanism for Photocatalytic Reduction of CO ₂ on the Anatase TiO ₂ (101) Surface: The Essential Role of Oxygen Vacancy. <i>Journal of the American Chemical Society</i> , 2016, 138, 15896-15902.	13.7	256
20	Distinguishing adjacent molecules on a surface using plasmon-enhanced Raman scattering. <i>Nature Nanotechnology</i> , 2015, 10, 865-869.	31.5	239
21	Distribution, sources and composition of antibiotics in sediment, overlying water and pore water from Taihu Lake, China. <i>Science of the Total Environment</i> , 2014, 497-498, 267-273.	8.0	234
22	Electronic and vibronic contributions to two-photon absorption of molecules with multi-branched structures. <i>Journal of Chemical Physics</i> , 2000, 113, 7055-7061.	3.0	226
23	Occurrence and distribution of antibiotics, antibiotic resistance genes in the urban rivers in Beijing, China. <i>Environmental Pollution</i> , 2016, 213, 833-840.	7.5	226
24	Isoprene Polymerization with Yttrium Amidinate Catalysts: Switching the Regio- and Stereoselectivity by Addition of AlMe ₃ . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2642-2645.	13.8	225
25	Graphene nanoribbon as a negative differential resistance device. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	219
26	Hollow Iron-Vanadium Composite Spheres: A Highly Efficient Iron-Based Water Oxidation Electrocatalyst without the Need for Nickel or Cobalt. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3289-3293.	13.8	216
27	Unprecedented Isospecific 3,4-Polymerization of Isoprene by Cationic Rare Earth Metal Alkyl Species Resulting from a Binuclear Precursor. <i>Journal of the American Chemical Society</i> , 2005, 127, 14562-14563.	13.7	215
28	Tracking Structural Self-Reconstruction and Identifying True Active Sites toward Cobalt Oxide Precatalyst of Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2019, 31, e1805127.	21.0	211
29	Optically Switchable Photocatalysis in Ultrathin Black Phosphorus Nanosheets. <i>Journal of the American Chemical Society</i> , 2018, 140, 3474-3480.	13.7	210
30	Nonlocal Exchange Interaction Removes Half-Metallicity in Graphene Nanoribbons. <i>Nano Letters</i> , 2007, 7, 2211-2213.	9.1	202
31	Effects of π centers and symmetry on two-photon absorption cross sections of organic chromophores. <i>Journal of Chemical Physics</i> , 2001, 114, 9813-9820.	3.0	193
32	Role of point defects on the reactivity of reconstructed anatase titanium dioxide (001) surface. <i>Nature Communications</i> , 2013, 4, 2214.	12.8	184
33	Spatial and temporal variations in the relationship between lake water surface temperatures and water quality - A case study of Dianchi Lake. <i>Science of the Total Environment</i> , 2018, 624, 859-871.	8.0	184
34	Simulations of vibronic profiles in two-photon absorption. <i>Chemical Physics Letters</i> , 2000, 330, 447-456.	2.6	178
35	Aggregation-Induced Dual-Phosphorescence from Organic Molecules for Nondoped Light-Emitting Diodes. <i>Advanced Materials</i> , 2019, 31, e1904273.	21.0	177
36	Designing p-type Semiconductor-Metal Hybrid Structures for Improved Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5107-5111.	13.8	176

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37	Simultaneous removal of antibiotics and antibiotic resistance genes from pharmaceutical wastewater using the combinations of up-flow anaerobic sludge bed, anoxic-oxic tank, and advanced oxidation technologies. <i>Water Research</i> , 2019, 159, 511-520.	11.3	175
38	Molecular co-catalyst accelerating hole transfer for enhanced photocatalytic H ₂ evolution. <i>Nature Communications</i> , 2015, 6, 8647.	12.8	172
39	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.	13.7	170
40	Observation of Photocatalytic Dissociation of Water on Terminal Ti Sites of TiO ₂ (110)-1x1 Surface. <i>Journal of the American Chemical Society</i> , 2012, 134, 9978-9985.	13.7	160
41	A Second-Coordination-Sphere Strategy to Modulate Nickel- and Palladium-Catalyzed Olefin Polymerization and Copolymerization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11604-11609.	13.8	159
42	Atomic-Layer-Confined Doping for Atomic-Level Insights into Visible-Light Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9266-9270.	13.8	158
43	Sub-nanometre control of the coherent interaction between a single molecule and a plasmonic nanocavity. <i>Nature Communications</i> , 2017, 8, 15225.	12.8	158
44	First-principle study of electronic and optical properties of two-dimensional materials-based heterostructures based on transition metal dichalcogenides and boron phosphide. <i>Applied Surface Science</i> , 2019, 476, 70-75.	6.1	154
45	Sub-nanometre resolution in single-molecule photoluminescence imaging. <i>Nature Photonics</i> , 2020, 14, 693-699.	31.4	152
46	Mechanism for Negative Differential Resistance in Molecular Electronic Devices: Local Orbital Symmetry Matching. <i>Physical Review Letters</i> , 2007, 99, 146803.	7.8	150
47	Theoretical Study on the Mechanism of Photoreduction of CO ₂ to CH ₄ on the Anatase TiO ₂ (101) Surface. <i>ACS Catalysis</i> , 2016, 6, 2018-2025.	11.2	149
48	The occurrence and fate of tetracyclines in two pharmaceutical wastewater treatment plants of Northern China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1722-1731.	5.3	147
49	Effect of the selective pressure of sub-lethal level of heavy metals on the fate and distribution of ARGs in the catchment scale. <i>Environmental Pollution</i> , 2017, 220, 900-908.	7.5	144
50	Enhanced Asymmetric Induction for the Copolymerization of CO ₂ and Cyclohexene Oxide with Unsymmetric Enantiopure SalenCo(III) Complexes: Synthesis of Crystalline CO ₂ -Based Polycarbonate. <i>Journal of the American Chemical Society</i> , 2012, 134, 5682-5688.	13.7	140
51	Ammonia formation by a thiolate-bridged diiron amide complex as a nitrogenase mimic. <i>Nature Chemistry</i> , 2013, 5, 320-326.	13.6	139
52	Unraveling Surface Plasmon Decay in Core-Shell Nanostructures toward Broadband Light-Driven Catalytic Organic Synthesis. <i>Journal of the American Chemical Society</i> , 2016, 138, 6822-6828.	13.7	136
53	Insights into the excitonic processes in polymeric photocatalysts. <i>Chemical Science</i> , 2017, 8, 4087-4092.	7.4	136
54	A Unique Semiconductor-Metal-Graphene Stack Design to Harness Charge Flow for Photocatalysis. <i>Advanced Materials</i> , 2014, 26, 5689-5695.	21.0	134

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55	Proliferation of Multidrug-Resistant New Delhi Metallo- β -lactamase Genes in Municipal Wastewater Treatment Plants in Northern China. <i>Environmental Science and Technology Letters</i> , 2014, 1, 26-30.	8.7	133
56	Ionic Liquid Facilitates the Conjugative Transfer of Antibiotic Resistance Genes Mediated by Plasmid RP4. <i>Environmental Science & Technology</i> , 2015, 49, 8731-8740.	10.0	132
57	Heteroatom-assisted olefin polymerization by rare-earth metal catalysts. <i>Science Advances</i> , 2017, 3, e1701011.	10.3	122
58	Catalysed low temperature H ₂ release from nitrogen heterocycles. <i>New Journal of Chemistry</i> , 2006, 30, 1675.	2.8	121
59	Fate and proliferation of typical antibiotic resistance genes in five full-scale pharmaceutical wastewater treatment plants. <i>Science of the Total Environment</i> , 2015, 526, 366-373.	8.0	121
60	Insight into Electrocatalysts as Co-catalysts in Efficient Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2016, 6, 4253-4257.	11.2	120
61	Conjugative multi-resistant plasmids in Haihe River and their impacts on the abundance and spatial distribution of antibiotic resistance genes. <i>Water Research</i> , 2017, 111, 81-91.	11.3	114
62	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.	30.8	114
63	Aggregation-enhanced luminescence and vibronic coupling of silole molecules from first principles. <i>Physical Review B</i> , 2006, 73, .	3.2	113
64	Unraveling the formation mechanism of graphitic nitrogen-doping in thermally treated graphene with ammonia. <i>Scientific Reports</i> , 2016, 6, 23495.	3.3	111
65	Single Crystalline Submicrotubes from Small Organic Molecules. <i>Chemistry of Materials</i> , 2005, 17, 6430-6435.	6.7	110
66	First-Principles Study on Transition-Metal Dichalcogenide/BSe van der Waals Heterostructures: A Promising Water-Splitting Photocatalyst. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22742-22751.	3.1	110
67	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.	2.8	110
68	Coherent Random Fiber Laser Based on Nanoparticles Scattering in the Extremely Weakly Scattering Regime. <i>Physical Review Letters</i> , 2012, 109, 253901.	7.8	108
69	Spatial-Temporal Variation of Lake Surface Water Temperature and Its Driving Factors in Yunnan-Guizhou Plateau. <i>Water Resources Research</i> , 2019, 55, 4688-4703.	4.2	108
70	Graphene-boron nitride hybrid-supported single Mo atom electrocatalysts for efficient nitrogen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15173-15180.	10.3	107
71	Computational Study of Titanocene-Catalyzed Dehydrocoupling of the Adduct Me ₂ NH-BH ₃ : An Intramolecular, Stepwise Mechanism. <i>Organometallics</i> , 2007, 26, 3597-3600.	2.3	106
72	Accurate Determination of Interfacial Protein Secondary Structure by Combining Interfacial-Sensitive Amide I and Amide III Spectral Signals. <i>Journal of the American Chemical Society</i> , 2014, 136, 1206-1209.	13.7	106

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73	Transition-metal dichalcogenides/Mg(OH) ₂ van der Waals heterostructures as promising water-splitting photocatalysts: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1791-1796.	2.8	106
74	Ultrahigh Carrier Mobility in the Two-Dimensional Semiconductors B ₈ Si ₄ , B ₈ Ge ₄ , and B ₈ Sn ₄ . <i>Chemistry of Materials</i> , 2021, 33, 6475-6483.	6.7	104
75	Arctic antibiotic resistance gene contamination, a result of anthropogenic activities and natural origin. <i>Science of the Total Environment</i> , 2018, 621, 1176-1184.	8.0	102
76	Oxyhydroxide Nanosheets with Highly Efficient Electron-Hole Pair Separation for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2137-2141.	13.8	99
77	Large two-photon absorption cross sections in two-dimensional, charge-transfer, cumulene-containing aromatic molecules. <i>Journal of Chemical Physics</i> , 1999, 111, 7758-7765.	3.0	98
78	The Microscopic Structure of Liquid Methanol from Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3567-3573.	2.6	98
79	In-situ Integration of a Metallic 1T-MoS ₂ /CdS Heterostructure as a Means to Promote Visible-Light-Driven Photocatalytic Hydrogen Evolution. <i>ChemCatChem</i> , 2016, 8, 2614-2619.	3.7	98
80	Narrowband Emission from Organic Fluorescent Emitters with Dominant Low-Frequency Vibronic Coupling. <i>Advanced Optical Materials</i> , 2021, 9, 2001845.	7.3	98
81	Solvent effects on the electronic structure of a newly synthesized two-photon polymerization initiator. <i>Journal of Chemical Physics</i> , 2003, 119, 1208-1213.	3.0	97
82	A quantum chemistry approach for current-voltage characterization of molecular junctions. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 5017-5023.	2.8	95
83	Lighting Up the Invisible Twisted Intramolecular Charge Transfer State by High Pressure. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 748-753.	4.6	95
84	Unusual Thiolate-Bridged Diiron Clusters Bearing the <i>cis</i> -HN•NH Ligand and Their Reactivities with Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2011, 133, 1147-1149.	13.7	94
85	A New Cubic Phase for a NaYF ₄ Host Matrix Offering High Upconversion Luminescence Efficiency. <i>Advanced Materials</i> , 2015, 27, 5528-5533.	21.0	94
86	Role of the co-catalyst in the asymmetric coupling of racemic epoxides with CO ₂ using multichiral Co(III) complexes: product selectivity and enantioselectivity. <i>Chemical Science</i> , 2012, 3, 2094.	7.4	93
87	Theoretical Modeling of Plasmon-Enhanced Raman Images of a Single Molecule with Subnanometer Resolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 9515-9518.	13.7	92
88	Electrically driven single-photon emission from an isolated single molecule. <i>Nature Communications</i> , 2017, 8, 580.	12.8	92
89	Visually constructing the chemical structure of a single molecule by scanning Raman picoscopy. <i>National Science Review</i> , 2019, 6, 1169-1175.	9.5	91
90	Design and control of electron transport properties of single molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15259-15263.	7.1	88

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91	Oxidation states of graphene: Insights from computational spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 131, 244505.	3.0	88
92	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.	4.6	88
93	First-Principles Simulations of Inelastic Electron Tunneling Spectroscopy of Molecular Electronic Devices. <i>Nano Letters</i> , 2005, 5, 1551-1555.	9.1	87
94	Chemical and electronic structures of liquid methanol from x-ray emission spectroscopy and density functional theory. <i>Physical Review B</i> , 2005, 71, .	3.2	87
95	What Are the Adsorption Sites for CO on the Reduced TiO ₂ (110)-1 Å ⁻¹ Surface?. <i>Journal of the American Chemical Society</i> , 2009, 131, 7958-7959.	13.7	87
96	ortho-Selective C-H addition of N,N-dimethyl anilines to alkenes by a yttrium catalyst. <i>Chemical Science</i> , 2016, 7, 5265-5270.	7.4	87
97	Non-catalytic hydrogenation of VO ₂ in acid solution. <i>Nature Communications</i> , 2018, 9, 818.	12.8	87
98	Heavy metal copper accelerates the conjugative transfer of antibiotic resistance genes in freshwater microcosms. <i>Science of the Total Environment</i> , 2020, 717, 137055.	8.0	87
99	Combining photocatalytic hydrogen generation and capsule storage in graphene based sandwich structures. <i>Nature Communications</i> , 2017, 8, 16049.	12.8	86
100	Strain-enhanced properties of van der Waals heterostructure based on blue phosphorus and g-GaN as a visible-light-driven photocatalyst for water splitting. <i>RSC Advances</i> , 2019, 9, 4816-4823.	3.6	86
101	Direct writing of electronic devices on graphene oxide by catalytic scanning probe lithography. <i>Nature Communications</i> , 2012, 3, 1194.	12.8	85
102	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018, 9, 4790.	12.8	85
103	Dinitrogen Activation by Dihydrogen and a PNP-Ligated Titanium Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 1818-1821.	13.7	83
104	Occurrence and distribution of clinical and veterinary antibiotics in the faeces of a Chinese population. <i>Journal of Hazardous Materials</i> , 2020, 383, 121129.	12.4	83
105	Active Sites of Pd-Doped Flat and Stepped Cu(111) Surfaces for H ₂ Dissociation in Heterogeneous Catalytic Hydrogenation. <i>ACS Catalysis</i> , 2013, 3, 1245-1252.	11.2	79
106	X-ray absorption spectra of graphene from first-principles simulations. <i>Physical Review B</i> , 2010, 82, .	3.2	78
107	An Ionic Liquid Facilitates the Proliferation of Antibiotic Resistance Genes Mediated by Class I Integrons. <i>Environmental Science and Technology Letters</i> , 2014, 1, 266-270.	8.7	78
108	A van der Waals Heterostructure Based on Graphene-like Gallium Nitride and Boron Selenide: A High-Efficiency Photocatalyst for Water Splitting. <i>ACS Omega</i> , 2019, 4, 21689-21697.	3.5	78

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109	Catalytic Activity of Single Transition-Metal Atom Doped in Cu(111) Surface for Heterogeneous Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14618-14624.	3.1	77
110	Occurrence and reduction of antibiotic resistance genes in conventional and advanced drinking water treatment processes. <i>Science of the Total Environment</i> , 2019, 669, 777-784.	8.0	77
111	Determining structural and chemical heterogeneities of surface species at the single-bond limit. <i>Science</i> , 2021, 371, 818-822.	12.6	77
112	Unraveling the Mechanism for the Sharp Tip Enhanced Electrocatalytic Carbon Dioxide Reduction: The Kinetics Decide. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15617-15621.	13.8	76
113	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11311-11316.	13.8	76
114	Versatile Room-Temperature Phosphorescent Materials Prepared from N-Substituted Naphthalimides: Emission Enhancement and Chemical Conjugation. <i>Angewandte Chemie</i> , 2016, 128, 10026-10030.	2.0	75
115	Fabrication of Graphene Nanomesh and Improved Chemical Enhancement for Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15741-15746.	3.1	74
116	Effects of dipole alignment and channel interference on two-photon absorption cross sections of two-dimensional charge-transfer systems. <i>Journal of Chemical Physics</i> , 2002, 117, 11102-11106.	3.0	73
117	Location of Trapped Hole on Rutile-TiO ₂ (110) Surface and Its Role in Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7863-7866.	3.1	73
118	CeO ₂ Nanoparticles Regulate the Propagation of Antibiotic Resistance Genes by Altering Cellular Contact and Plasmid Transfer. <i>Environmental Science & Technology</i> , 2020, 54, 10012-10021.	10.0	73
119	Towards high-performance sustainable polymers via isomerization-driven irreversible ring-opening polymerization of five-membered thionolactones. <i>Nature Chemistry</i> , 2022, 14, 294-303.	13.6	73
120	Bio-nano interaction of proteins adsorbed on single-walled carbon nanotubes. <i>Carbon</i> , 2009, 47, 967-973.	10.3	72
121	Analysis on driving factors of lake surface water temperature for major lakes in Yunnan-Guizhou Plateau. <i>Water Research</i> , 2020, 184, 116018.	11.3	72
122	Experimental Identification of Ultrafast Reverse Hole Transfer at the Interface of the Photoexcited Methanol/Graphitic Carbon Nitride System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5320-5324.	13.8	71
123	Current-voltage characteristics of single molecular junction: Dimensionality of metal contacts. <i>Journal of Chemical Physics</i> , 2003, 119, 4923-4928.	3.0	70
124	Density functional theory study of vibronic structure of the first absorption Q _x band in free-base porphyrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 308-323.	3.9	70
125	Scandium-Catalyzed Regio- and Stereoselective Cyclopolymerization of Functionalized 1,3-Dienes and Copolymerization with Ethylene. <i>Journal of the American Chemical Society</i> , 2019, 141, 12624-12633.	13.7	70
126	Municipal Solid Waste Treatment System Increases Ambient Airborne Bacteria and Antibiotic Resistance Genes. <i>Environmental Science & Technology</i> , 2020, 54, 3900-3908.	10.0	70

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127	Novel heterocycle-based organic molecules with two-photon induced blue fluorescent emission. <i>Journal of Materials Chemistry</i> , 2003, 13, 708-711.	6.7	68
128	Solvent effects on two-photon absorption of dialkylamino substituted distyrylbenzene chromophore. <i>Journal of Chemical Physics</i> , 2007, 126, 204509.	3.0	68
129	Two-photon excited hemoglobin fluorescence. <i>Biomedical Optics Express</i> , 2011, 2, 71.	2.9	68
130	CO ₂ dissociation activated through electron attachment on the reduced rutile TiO ₂	3.2	68
131	Mechanistic Insights into Scandium-Catalyzed Hydroaminoalkylation of Olefins with Amines: Origin of Regioselectivity and Charge-Based Prediction Model. <i>Organometallics</i> , 2017, 36, 1557-1565.	2.3	67
132	Risk assessment of antibiotic resistance genes in the drinking water system. <i>Science of the Total Environment</i> , 2021, 800, 149650.	8.0	67
133	Mechanistic Investigation on Scandium-Catalyzed C-H Addition of Pyridines to Olefins. <i>Organometallics</i> , 2012, 31, 3930-3937.	2.3	66
134	Exposure to phthalates in patients with diabetes and its association with oxidative stress, adiponectin, and inflammatory cytokines. <i>Environment International</i> , 2017, 109, 53-63.	10.0	66
135	Using van der Waals heterostructures based on two-dimensional blue phosphorus and XC (X = Ge, Si) for water-splitting photocatalysis: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9949-9956.	2.8	66
136	Metal-Free Boron Nitride Nanoribbon Catalysts for Electrochemical CO ₂ Reduction: Combining High Activity and Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 906-915.	8.0	66
137	Making silole photovoltaically active by attaching carbazolyl donor groups to the silolyl acceptor core. <i>Chemical Communications</i> , 2005, , 3583.	4.1	65
138	Quantum Chemistry Study of H ₂ O ₈ : A Global Search for Its Isomers by the Scaled Hypersphere Search Method, and Its Thermal Behavior. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10732-10737.	2.5	65
139	Tunable Hydrogen Doping of Metal Oxide Semiconductors with Acidic Metal Treatment at Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 4136-4140.	13.7	65
140	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.	13.7	65
141	Solvent dependence of solvatochromic shifts and the first hyperpolarizability of para-nitroaniline: A nonmonotonic behavior. <i>Journal of Chemical Physics</i> , 2003, 119, 4409-4412.	3.0	64
142	Water-catalyzed gas-phase reaction of formic acid with hydroxyl radical: A computational investigation. <i>Chemical Physics Letters</i> , 2009, 469, 57-61.	2.6	64
143	The Realistic Domain Structure of As-Synthesized Graphene Oxide from Ultrafast Spectroscopy. <i>Journal of the American Chemical Society</i> , 2013, 135, 12468-12474.	13.7	64
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