

Long Zhang

List of Publications by Year in descending order

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55
papers

2,226
citations

201674

27
h-index

233421

45
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59
all docs

59
docs citations

59
times ranked

2694
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Polysulfide Regulation <i>via</i> Porous Catalytic V_2O_3/V_8C_7 Heterostructures Derived from Metal-Organic Frameworks toward High-Performance Li-S Batteries. ACS Nano, 2020, 14, 8495-8507.	14.6	192
2	A precise polyrotaxane synthesizer. Science, 2020, 368, 1247-1253.	12.6	148
3	Electrochemical and Electrostatic Cleavage of Alkoxyamines. Journal of the American Chemical Society, 2018, 140, 766-774.	13.7	129
4	Stacking Interactions Induced Selective Conformation of Discrete Aromatic Arrays and Borromean Rings. Journal of the American Chemical Society, 2017, 139, 1653-1660.	13.7	105
5	Two-photon excited deep-red and near-infrared emissive organic co-crystals. Nature Communications, 2020, 11, 4633.	12.8	82
6	Nickel-Cobalt Double Hydroxide as a Multifunctional Mediator for Ultrahigh-Rate and Ultralong-Life Li-S Batteries. Advanced Energy Materials, 2018, 8, 1802431.	19.5	76
7	Sandwich, Vertical-Channeled Thick Electrodes with High Rate and Cycle Performance. Advanced Functional Materials, 2019, 29, 1809196.	14.9	76
8	Covalent organic framework-based ultrathin crystalline porous film: manipulating uniformity of fluoride distribution for stabilizing lithium metal anode. Journal of Materials Chemistry A, 2020, 8, 3459-3467.	10.3	75
9	Ultra-high-rate, ultra-long-life asymmetric supercapacitors based on few-crystalline, porous $NiCo_2O_4$ nanosheet composites. Journal of Materials Chemistry A, 2018, 6, 1412-1422.	10.3	71
10	Reproducible flaws unveil electrostatic aspects of semiconductor electrochemistry. Nature Communications, 2017, 8, 2066.	12.8	68
11	A Dynamic Tetracationic Macrocyclic Exhibiting Photoswitchable Molecular Encapsulation. Journal of the American Chemical Society, 2019, 141, 1280-1289.	13.7	66
12	Rational Design of Polynuclear Organometallic Assemblies from a Simple Heteromultifunctional Ligand. Journal of the American Chemical Society, 2015, 137, 13670-13678.	13.7	62
13	H_2 -Initiated Reversible Switching between Two-Dimensional Metallacycles and Three-Dimensional Cylinders. Journal of the American Chemical Society, 2014, 136, 14608-14615.	13.7	60
14	Radical-pairing-induced molecular assembly and motion. Nature Reviews Chemistry, 2021, 5, 447-465.	30.2	55
15	A Molecular Dual Pump. Journal of the American Chemical Society, 2019, 141, 17472-17476.	13.7	53
16	Ring-in-Ring(s) Complexes Exhibiting Tunable Multicolor Photoluminescence. Journal of the American Chemical Society, 2020, 142, 16849-16860.	13.7	52
17	Electron-catalysed molecular recognition. Nature, 2022, 603, 265-270.	27.8	51
18	A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. Journal of the American Chemical Society, 2021, 143, 8000-8010.	13.7	47

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19	Artificial Molecular Pump Operating in Response to Electricity and Light. <i>Journal of the American Chemical Society</i> , 2020, 142, 14443-14449.	13.7	45
20	Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. <i>Matter</i> , 2020, 2, 378-389.	10.0	43
21	Single-Molecule Charge Transport through Positively Charged Electrostatic Anchors. <i>Journal of the American Chemical Society</i> , 2021, 143, 2886-2895.	13.7	43
22	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38768-38777.	8.0	41
23	ZnFe ₂ O ₄ @Carbon Core-Shell Nanoparticles Encapsulated in Reduced Graphene Oxide for High-Performance Li-Ion Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14713-14721.	8.0	40
24	Selective Photodimerization in a Cyclodextrin Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 9129-9139.	13.7	34
25	Discrepant gas adsorption in isostructural heterometallic coordination polymers: strong dependence of metal identity. <i>CrystEngComm</i> , 2013, 15, 78-85.	2.6	33
26	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17587-17594.	13.8	30
27	Mixed-Metal Coordination Cages Constructed with Pyridyl-Functionalized ¹² -Diketonate Metalloligands: Syntheses, Structures and Host-Guest Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 14893-14900.	3.3	29
28	Organic Counteranion Co-assembly Strategy for the Formation of ¹³ -Cyclodextrin-Containing Hybrid Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 2042-2050.	13.7	26
29	Radical Cyclic [3]Daisy Chains. <i>Chem</i> , 2021, 7, 174-189.	11.7	26
30	Electron-Catalyzed Dehydrogenation in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8476-8487.	13.7	25
31	Molecular-Pump-Enabled Synthesis of a Daisy Chain Polymer. <i>Journal of the American Chemical Society</i> , 2020, 142, 10308-10313.	13.7	24
32	Designing vertical channels with expanded interlayers for Li-ion batteries. <i>Chemical Communications</i> , 2019, 55, 4258-4261.	4.1	23
33	PCage: Fluorescent Molecular Temples for Binding Sugars in Water. <i>Journal of the American Chemical Society</i> , 2021, 143, 15688-15700.	13.7	23
34	Selective B(4) ^H Activation of an <i>o</i> -Carboranylthioamide Based on a Palladium Precursor. <i>Chemistry - A European Journal</i> , 2017, 23, 1814-1819.	3.3	22
35	Egg albumen templated graphene foams for high-performance supercapacitor electrodes and electrochemical sensors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18267-18275.	10.3	21
36	Suit[3]ane. <i>Journal of the American Chemical Society</i> , 2020, 142, 20152-20160.	13.7	20

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37	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 7190-7197.	13.7	17
38	A Bifunctional-Modulated Conformal Li/Mn-Rich Layered Cathode for Fast-Charging, High Volumetric Density and Durable Li-Ion Full Cells. <i>Nano-Micro Letters</i> , 2021, 13, 118.	27.0	17
39	Fluorescence Quenching by Redox Molecular Pumping. <i>Journal of the American Chemical Society</i> , 2022, 144, 3572-3579.	13.7	17
40	Isomers of Cyclometalated Macrocycles Constructed through Olefinic C-H Activation. <i>Organometallics</i> , 2014, 33, 587-593.	2.3	15
41	Discrete Rectangles, Prisms, and Heterometallic Cages from a Conjugated Cp* Rh -Based Building Block. <i>Chemistry - A European Journal</i> , 2015, 21, 16975-16981.	3.3	15
42	Viologen Tweezers to Probe the Force of Individual Donor-Acceptor π -Interactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 21153-21159.	13.7	15
43	Synthesis of a new type of alkene metal complex using face-capping thione-alkene ligands. <i>Dalton Transactions</i> , 2015, 44, 8797-8800.	3.3	14
44	Tuning radical interactions in triradical tricationic complexes by varying host-cavity sizes. <i>Chemical Science</i> , 2020, 11, 107-112.	7.4	14
45	A contorted nanographene shelter. <i>Nature Communications</i> , 2021, 12, 5191.	12.8	12
46	Promotion and suppression of single-molecule conductance by quantum interference in macrocyclic circuits. <i>Matter</i> , 2021, , .	10.0	12
47	Syntheses of three-dimensional catenanes under kinetic control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118573119.	7.1	12
48	Construction of iridium and rhodium cyclometalated macrocycles based on p-carborane and N,N e^2 -donor bridging ligands. <i>Dalton Transactions</i> , 2014, 43, 17200-17208.	3.3	11
49	Subnanometer, Ultrafine Fe_2O_3 Sheets Realized by Controlled Crystallization Kinetics for Stable, High-Performance Energy Storage. <i>Chemistry - A European Journal</i> , 2019, 25, 5005-5013.	3.3	10
50	Radically Enhanced Dual Recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25454-25462.	13.8	10
51	Li-S Batteries: Nickel-Cobalt Double Hydroxide as a Multifunctional Mediator for Ultrahigh-Rate and Ultralong-Life Li-S Batteries (<i>Adv. Energy Mater.</i> 35/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870152.	19.5	5
52	Selective Separation of Hexachloroplatinate(IV) Dianions Based on Exo-Binding with Cucurbit[6]uril. <i>Angewandte Chemie</i> , 2021, 133, 17728-17735.	2.0	5
53	Coordination-Driven Selective Formation of D_2 Symmetric Octanuclear Organometallic Cages. <i>Chemistry - A European Journal</i> , 2021, 27, 9524-9528.	3.3	4
54	Radically Enhanced Dual Recognition. <i>Angewandte Chemie</i> , 0, , .	2.0	4

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55	Innenrücktitelbild: Radically Enhanced Dual Recognition (Angew. Chem. 48/2021). Angewandte Chemie, 2021, 133, 25787-25787.	2.0	0