

Yan Sun

List of Publications by Year in descending order

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67
papers

3,741
citations

117571

34
h-index

133188

59
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all docs

67
docs citations

67
times ranked

3141
citing authors

#	ARTICLE	IF	CITATIONS
1	Worldwide Distribution of Novel Perfluoroether Carboxylic and Sulfonic Acids in Surface Water. <i>Environmental Science & Technology</i> , 2018, 52, 7621-7629.	4.6	367
2	Biomedically Relevant Self-Assembled Metallacycles and Metallacages. <i>Journal of the American Chemical Society</i> , 2019, 141, 14005-14020.	6.6	283
3	Recent developments in the construction and applications of platinum-based metallacycles and metallacages via coordination. <i>Chemical Society Reviews</i> , 2020, 49, 3889-3919.	18.7	275
4	First Report on the Occurrence and Bioaccumulation of Hexafluoropropylene Oxide Trimer Acid: An Emerging Concern. <i>Environmental Science & Technology</i> , 2017, 51, 9553-9560.	4.6	186
5	Dual-ligand and hard-soft-acid-base strategies to optimize metal-organic framework nanocrystals for stable electrochemical cycling performance. <i>National Science Review</i> , 2022, 9, .	4.6	171
6	Spin-state reconfiguration induced by alternating magnetic field for efficient oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 4827.	5.8	147
7	Soft Materials with Diverse Suprastructures via the Self-Assembly of Metal-Organic Complexes. <i>Accounts of Chemical Research</i> , 2019, 52, 802-817.	7.6	136
8	Formation of Planar Chiral Platinum Triangles via Pillar[5]arene for Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2020, 142, 17340-17345.	6.6	125
9	TADF-Type Organic Afterglow. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17138-17147.	7.2	115
10	Hepatotoxic Effects of Hexafluoropropylene Oxide Trimer Acid (HFPO-TA), A Novel Perfluorooctanoic Acid (PFOA) Alternative, on Mice. <i>Environmental Science & Technology</i> , 2018, 52, 8005-8015.	4.6	110
11	Subchronic Hepatotoxicity Effects of 6:2 Chlorinated Polyfluorinated Ether Sulfonate (6:2 Cl-PFESA), a Novel Perfluorooctanesulfonate (PFOS) Alternative, on Adult Male Mice. <i>Environmental Science & Technology</i> , 2018, 52, 12809-12818.	4.6	99
12	Stimulus-responsive light-harvesting complexes based on the pillararene-induced co-assembly of β -carotene and chlorophyll. <i>Nature Communications</i> , 2016, 7, 12042.	5.8	92
13	Fine-Tuned Nanostructures Assembled from α -Lysine-Functionalized Perylene Bisimides. <i>Langmuir</i> , 2011, 27, 11364-11371.	1.6	80
14	Synthesis of Spiro[indoline-3,2-quinoline] Derivatives through a Four-Component Reaction. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1976-1983.	1.2	63
15	Self-Assembly of Metallacages into Multidimensional Suprastructures with Tunable Emissions. <i>Journal of the American Chemical Society</i> , 2018, 140, 12819-12828.	6.6	63
16	Selective Decoration of Metal Nanoparticles inside or outside of Organic Microstructures via Self-Assembly of Resorcinarene. <i>ACS Nano</i> , 2010, 4, 2129-2141.	7.3	59
17	Design of a Metallacycle-Based Supramolecular Photosensitizer for In Vivo Image-Guided Photodynamic Inactivation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202110048.	7.2	59
18	Recharged Catalyst with Memristive Nitrogen Reduction Activity through Learning Networks of Spiking Neurons. <i>Journal of the American Chemical Society</i> , 2021, 143, 5378-5385.	6.6	56

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19	Chiral Metallacycles as Catalysts for Asymmetric Conjugate Addition of Styrylboronic Acids to α,β -Enones. <i>Journal of the American Chemical Society</i> , 2020, 142, 10244-10249.	6.6	54
20	Achieving High Afterglow Brightness in Organic Dopant-Matrix Systems. <i>Advanced Optical Materials</i> , 2021, 9, 2100353.	3.6	54
21	Metallacycles, metallacages, and their aggregate/optical behavior. <i>Aggregate</i> , 2021, 2, e94.	5.2	51
22	Highly Efficient TADF-Type Organic Afterglow of Long Emission Wavelengths. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	50
23	Selective Synthesis of Fused 1,4- and 1,2-Dihydropyridines by Domino Reactions of Arylamines, Acetylenedicarboxylate, Aldehydes, and Cyclic 1,3-Diketones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6952-6956.	1.2	47
24	Comparative Hepatotoxicity of Novel PFOA Alternatives (Perfluoropolyether Carboxylic Acids) on Male Mice. <i>Environmental Science & Technology</i> , 2019, 53, 3929-3937.	4.6	47
25	Parental exposure to 6:2 chlorinated polyfluorinated ether sulfonate (F-53B) induced transgenerational thyroid hormone disruption in zebrafish. <i>Science of the Total Environment</i> , 2019, 665, 855-863.	3.9	46
26	BODIPY based metal-organic macrocycles and frameworks: Recent therapeutic developments. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214308.	9.5	46
27	Pillar[5]arene-Containing Metallacycles and Host-Guest Interaction Caused Aggregation-Induced Emission Enhancement Platforms. <i>Journal of the American Chemical Society</i> , 2020, 142, 16930-16934.	6.6	44
28	Comparative hepatotoxicity of 6:2 fluorotelomer carboxylic acid and 6:2 fluorotelomer sulfonic acid, two fluorinated alternatives to long-chain perfluoroalkyl acids, on adult male mice. <i>Archives of Toxicology</i> , 2017, 91, 2909-2919.	1.9	43
29	Recent progress in the research on the host-guest chemistry of pillar[n]arenes. <i>Supramolecular Chemistry</i> , 2018, 30, 81-92.	1.5	43
30	Electrochemical detection of paraquat based on silver nanoparticles/water-soluble pillar[5]arene functionalized graphene oxide modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113221.	1.9	41
31	Assembly of Metallacages into Soft Suprastructures with Dimensions of up to Micrometers and the Formation of Composite Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 17297-17307.	6.6	40
32	Self-Assembly and Metallization of Resorcinarene Microtubes in Water. <i>Advanced Functional Materials</i> , 2008, 18, 3981-3990.	7.8	39
33	The first water-soluble pillar[5]arene dimer: synthesis and construction of a reversible fluorescent supramolecular polymer network in water. <i>Chemical Communications</i> , 2017, 53, 165-167.	2.2	37
34	Self-Assembly of Porphyrin-Based Metallacages into Octahedra. <i>Journal of the American Chemical Society</i> , 2020, 142, 17903-17907.	6.6	37
35	Preparation of Resorcinarene-Functionalized Gold Nanoparticles and Their Catalytic Activities for Reduction of Aromatic Nitro Compounds. <i>Chinese Journal of Chemistry</i> , 2010, 28, 705-712.	2.6	34
36	Emissive Platinum(II) Macrocyces as Tunable Cascade Energy Transfer Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	34

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37	Manipulation of Triplet Excited States for Long-Lived and Efficient Organic Afterglow. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	34
38	Synthesis of spiro[dihydropyridine-oxindoles] via three-component reaction of arylamine, isatin and cyclopentane-1,3-dione. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 8-14.	1.3	31
39	A pillar[5]arene based gel from a low-molecular-weight gelator for sustained dye release in water. <i>Dalton Transactions</i> , 2017, 46, 16802-16806.	1.6	31
40	Two-Component Design Strategy: Achieving Intense Organic Afterglow and Diverse Functions in Coronene-Matrix Systems. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26986-26998.	1.5	30
41	Water-soluble pillar[5]arene induced the morphology transformation of self-assembled nanostructures and had further application in paraquat detection. <i>Chemical Communications</i> , 2017, 53, 3725-3728.	2.2	29
42	Self-assembled monolayer and multilayer films based on L-lysine functionalized perylene bisimide. <i>Journal of Materials Chemistry</i> , 2012, 22, 4312-4318.	6.7	28
43	Intense Organic Afterglow Enabled by Molecular Engineering in Dopant-Matrix Systems. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1587-1600.	4.0	26
44	Cu-Mediated 2,2,2-trifluoroethylation of terminal alkynes using 1,1-dichloro-2,2,2-trifluoroethane (HCFC-123). <i>Organic Chemistry Frontiers</i> , 2015, 2, 1379-1387.	2.3	25
45	Synthesis and characterization of water-soluble gold colloids stabilized with aminoresorcinarene. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 2252-2261.	1.9	21
46	Tailorable Aqueous Dispersion of Single-Walled Carbon Nanotubes Using Tetrachloroperylene-Based Bolaamphiphiles via Noncovalent Modification. <i>Langmuir</i> , 2014, 30, 8615-8620.	1.6	21
47	Strong Deaggregating Effect of a Novel Polyamino Resorcinarene Surfactant on Gold Nanoaggregates under Microwave Irradiation. <i>Langmuir</i> , 2008, 24, 13161-13167.	1.6	20
48	Self-Assembly of Metallacages into Centimeter Films with Tunable Size and Emissions. <i>Journal of the American Chemical Society</i> , 2020, 142, 17933-17937.	6.6	19
49	Resorcinarene Induced Assembly of Carotene and Lutein into Hierarchical Superstructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 20583-20587.	6.6	19
50	TADF-Type Organic Afterglow. <i>Angewandte Chemie</i> , 2021, 133, 17275-17284.	1.6	17
51	Anthracene-induced formation of highly twisted metallacycle and its crystal structure and tunable assembly behaviors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
52	Design of a Metallacycle-Based Supramolecular Photosensitizer for In Vivo Image-Guided Photodynamic Inactivation of Bacteria. <i>Angewandte Chemie</i> , 0, , .	1.6	11
53	From micelle-like aggregates to extremely-stretchable, fatigue-resistant, highly-resilient and self-healable hydrogels. <i>European Polymer Journal</i> , 2022, 167, 111047.	2.6	10
54	Perylene dye-functionalized silver nanoparticles serving as pH-dependent metal sensor systems. <i>RSC Advances</i> , 2017, 7, 24215-24220.	1.7	8

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55	In situ polymerization of supramolecular nanorods assembled from polymerizable perylene bisimide. <i>Polymer Chemistry</i> , 2017, 8, 4422-4427.	1.9	8
56	Metal-organic cycle-based multistage assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122398119.	3.3	8
57	Boosting Organic Afterglow Performance via a Two-Component Design Strategy Extracted from Macromolecular Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5030-5039.	2.1	8
58	Platinum(II)-Metallaclip-Based Theranostics for Cell Imaging and Synergetic Chemotherapy-Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2023, 62, 1786-1790.	1.9	8
59	Boosting organic afterglow efficiency via triplet-triplet annihilation and thermally-activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4795-4804.	2.7	7
60	A Near-Infrared BODIPY-Based Rhomboidal Metallacycle for Imaging-Guided Photothermal Therapy. <i>Inorganics</i> , 2022, 10, 80.	1.2	7
61	A Three-Component Reaction for the Efficient Construction of the 2,11-Dihydrospiro[indoline-3,1-pyrido[2,1-a]isoquinoline] Skeleton. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1278-1285.	1.4	6
62	Manipulation of Organic Afterglow by Thermodynamic and Kinetic Control. <i>Chemistry - A European Journal</i> , 2021, 27, 16735-16743.	1.7	6
63	Emissive Platinum(II) Macrocycles as Tunable Cascade Energy Transfer Scaffolds. <i>Angewandte Chemie</i> , 2021, 133, 16735-16743.	1.6	6
64	Aqueous dispersion of single walled carbon nanotubes stabilized by PEG modified diperylene bisimide and their application as an antibacterial agent. <i>RSC Advances</i> , 2017, 7, 26125-26129.	1.7	5
65	An Organoplatinum(II) Metallacycle-Based Supramolecular Amphiphile and Its Application in Enzyme-Responsive Controlled Release. <i>Inorganic Chemistry</i> , 2022, 61, 8090-8095.	1.9	4
66	Pt Metallacycle-based centimeter films for smart emissive poly(N-isopropylacrylamide) hydrogel devices. <i>Materials Chemistry and Physics</i> , 2022, 277, 125544.	2.0	3
67	Assembly of metallacycles into diverse suprastructures. <i>Russian Chemical Bulletin</i> , 2021, 70, 2241-2246.	0.4	0