Jianyuan Zhang

List of Publications by Year
in descending order

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28 papers	1,360 citations	394421 19 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	1648 citing authors

#	Article	IF	Citations
1	Trimetallic Nitride Template Endohedral Metallofullerenes: Discovery, Structural Characterization, Reactivity, and Applications. Accounts of Chemical Research, 2013, 46, 1548-1557.	15.6	155
2	A missing link in the transformation from asymmetric to symmetric metallofullerene cages implies a top-down fullerene formation mechanism. Nature Chemistry, 2013, 5, 880-885.	13.6	138
3	Spiro-Bridged Ladder-Type Poly(p-phenylene)s: Towards Structurally Perfect Light-Emitting Materials. Journal of the American Chemical Society, 2008, 130, 7192-7193.	13.7	110
4	Gd₂@C₇₉N: Isolation, Characterization, and Monoadduct Formation of a Very Stable Heterofullerene with a Magnetic Spin State of S = 15/2. Journal of the American Chemical Society, 2011, 133, 9741-9750.	13.7	104
5	Encapsulation of a Radiolabeled Cluster Inside a Fullerene Cage, ¹⁷⁷Lu_xLu_(3â^'x)N@C₈₀: An Interleukin-13-Conjugated Radiolabeled Metallofullerene Platform. Journal of the American Chemical Society, 2010, 132, 4980-4981.	13.7	102
6	Nanoscale Fullerene Compression of an Yttrium Carbide Cluster. Journal of the American Chemical Society, 2012, 134, 8487-8493.	13.7	92
7	Self-Assembling Nanocomposite Tectons. Journal of the American Chemical Society, 2016, 138, 16228-16231.	13.7	91
8	A New Interleukin-13 Amino-Coated Gadolinium Metallofullerene Nanoparticle for Targeted MRI Detection of Glioblastoma Tumor Cells. Journal of the American Chemical Society, 2015, 137, 7881-7888.	13.7	76
9	Metallofullerene-based Nanoplatform for Brain Tumor Brachytherapy and Longitudinal Imaging in a Murine Orthotopic Xenograft Model. Radiology, 2011, 261, 136-143.	7.3	74
10	Gd₃N@C₈₄(OH)_x: A New Egg-Shaped Metallofullerene Magnetic Resonance Imaging Contrast Agent. Journal of the American Chemical Society, 2014, 136, 2630-2636.	13.7	67
11	Synthesis of Monodisperse Spiro-Bridged Ladder-Type Oligo-p-phenylenes. Organic Letters, 2007, 9, 4435-4438.	4.6	56
12	Modulate Organicâ€Metal Oxide Heterojunction via [1,6] Azafulleroid for Highly Efficient Organic Solar Cells. Advanced Materials, 2016, 28, 7269-7275.	21.0	45
13	Dictating Nanoparticle Assembly via Systems-Level Control of Molecular Multivalency. Journal of the American Chemical Society, 2019, 141, 14624-14632.	13.7	34
14	Three-dimensional molecular donors combined with polymeric acceptors for high performance fullerene-free organic photovoltaic devices. Journal of Materials Chemistry A, 2015, 3, 22162-22169.	10.3	33
15	Enhanced Dipole Moments in Trimetallic Nitride Template Endohedral Metallofullerenes with the Pentalene Motif. Journal of the American Chemical Society, 2013, 135, 3351-3354.	13.7	28
16	Electronic Properties and13C NMR Structural Study of Y3N@C88. Inorganic Chemistry, 2011, 50, 4256-4259.	4.0	24
17	A Dual PET/MR Imaging Nanoprobe: 124I Labeled Gd3N@C80. Applied Sciences (Switzerland), 2012, 2, 465-478.	2.5	24
18	14N and 45Sc NMR study of trimetallic nitride cluster (M3N)6+ dynamics inside a icosahedral C80 cage. Chemical Communications, 2011, 47, 3858.	4.1	23

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19	Crystalline Co-Assemblies of Functional Fullerenes in Methanol with Enhanced Charge Transport. Journal of the American Chemical Society, 2015, 137, 2167-2170.	13.7	23
20	NMR Studies of the Dynamic Motion of Encapsulated Ions and Clusters in Fullerene Cages: A Wheel Within a Wheel. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 35-46.	2.1	12
21	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. Angewandte Chemie - International Edition, 2021, 60, 25269-25273.	13.8	12
22	C₆₀-Î²-cyclodextrin conjugates for enhanced nucleus delivery of doxorubicin. Nanoscale, 2022, 14, 4456-4462.	5.6	10
23	Gram-scale synthesis of a covalent nanocage that preserves the redox properties of encapsulated fullerenes. Chemical Science, 2022, 13, 5325-5332.	7.4	10
24	Isocyanide-Induced Annulation Leading to Cyclopento-, Methano-, and Cyclopentano-[60]Fullerene Derivatives. Organic Letters, 2021, 23, 8867-8872.	4.6	7
25	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. Angewandte Chemie, 2021, 133, 25473-25477.	2.0	5
26	Multicomponent Reactions Among Alkyl Isocyanides, sp Reactants, and sp2 Carbon Cages. Synlett, 2022, 33, 907-912.	1.8	5
27	Endohedral Metallofullerenes: A New Diagnostic and Therapeutic "Theranostic" Platform for Biomedical Applications. ECS Meeting Abstracts, 2012, , .	0.0	0
28	Biomedical Applications of Trimetallic Nitride Endohedral Metallofullerenes. , 2014, , 401-415.		0