

Jianyuan Zhang

List of Publications by Year in descending order

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28
papers

1,360
citations

394421

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552781

26
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docs citations

29
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicomponent Reactions Among Alkyl Isocyanides, sp Reactants, and sp ² Carbon Cages. <i>Synlett</i> , 2022, 33, 907-912.	1.8	5
2	C ₆₀ - β -cyclodextrin conjugates for enhanced nucleus delivery of doxorubicin. <i>Nanoscale</i> , 2022, 14, 4456-4462.	5.6	10
3	Gram-scale synthesis of a covalent nanocage that preserves the redox properties of encapsulated fullerenes. <i>Chemical Science</i> , 2022, 13, 5325-5332.	7.4	10
4	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. <i>Angewandte Chemie</i> , 2021, 133, 25473-25477.	2.0	5
5	Unexpected Formation of Metallofulleroids from Multicomponent Reactions, with Crystallographic and Computational Studies of the Cluster Motion. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25269-25273.	13.8	12
6	Isocyanide-Induced Annulation Leading to Cyclopento-, Methano-, and Cyclopentano-[60]Fullerene Derivatives. <i>Organic Letters</i> , 2021, 23, 8867-8872.	4.6	7
7	Dictating Nanoparticle Assembly via Systems-Level Control of Molecular Multivalency. <i>Journal of the American Chemical Society</i> , 2019, 141, 14624-14632.	13.7	34
8	Modulate Organic-Metal Oxide Heterojunction via [1,6] Azafulleroid for Highly Efficient Organic Solar Cells. <i>Advanced Materials</i> , 2016, 28, 7269-7275.	21.0	45
9	Self-Assembling Nanocomposite Tectons. <i>Journal of the American Chemical Society</i> , 2016, 138, 16228-16231.	13.7	91
10	A New Interleukin-13 Amino-Coated Gadolinium Metallofullerene Nanoparticle for Targeted MRI Detection of Glioblastoma Tumor Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 7881-7888.	13.7	76
11	Crystalline Co-Assemblies of Functional Fullerenes in Methanol with Enhanced Charge Transport. <i>Journal of the American Chemical Society</i> , 2015, 137, 2167-2170.	13.7	23
12	Three-dimensional molecular donors combined with polymeric acceptors for high performance fullerene-free organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22162-22169.	10.3	33
13	NMR Studies of the Dynamic Motion of Encapsulated Ions and Clusters in Fullerene Cages: A Wheel Within a Wheel. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 35-46.	2.1	12
14	Biomedical Applications of Trimetallic Nitride Endohedral Metallofullerenes. , 2014, , 401-415.		0
15	Gd ₃ N@C ₈₄ (OH) _x : A New Egg-Shaped Metallofullerene Magnetic Resonance Imaging Contrast Agent. <i>Journal of the American Chemical Society</i> , 2014, 136, 2630-2636.	13.7	67
16	Enhanced Dipole Moments in Trimetallic Nitride Template Endohedral Metallofullerenes with the Pentalene Motif. <i>Journal of the American Chemical Society</i> , 2013, 135, 3351-3354.	13.7	28
17	A missing link in the transformation from asymmetric to symmetric metallofullerene cages implies a top-down fullerene formation mechanism. <i>Nature Chemistry</i> , 2013, 5, 880-885.	13.6	138
18	Trimetallic Nitride Template Endohedral Metallofullerenes: Discovery, Structural Characterization, Reactivity, and Applications. <i>Accounts of Chemical Research</i> , 2013, 46, 1548-1557.	15.6	155

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19	Nanoscale Fullerene Compression of an Yttrium Carbide Cluster. <i>Journal of the American Chemical Society</i> , 2012, 134, 8487-8493.	13.7	92
20	A Dual PET/MR Imaging Nanoprobe: ¹²⁴ I Labeled Gd ₃ N@C ₈₀ . <i>Applied Sciences (Switzerland)</i> , 2012, 2, 465-478.	2.5	24
21	Endohedral Metallofullerenes: A New Diagnostic and Therapeutic "Theranostic" Platform for Biomedical Applications. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
22	¹⁴ N and ⁴⁵ Sc NMR study of trimetallic nitride cluster (M ₃ N) ⁶⁺ dynamics inside a icosahedral C ₈₀ cage. <i>Chemical Communications</i> , 2011, 47, 3858.	4.1	23
23	Electronic Properties and ¹³ C NMR Structural Study of Y ₃ N@C ₈₈ . <i>Inorganic Chemistry</i> , 2011, 50, 4256-4259.	4.0	24
24	Gd ₂ @C ₇₉ N: Isolation, Characterization, and Monoadduct Formation of a Very Stable Heterofullerene with a Magnetic Spin State of <i>S</i> = 15/2. <i>Journal of the American Chemical Society</i> , 2011, 133, 9741-9750.	13.7	104
25	Metallofullerene-based Nanoplatfrom for Brain Tumor Brachytherapy and Longitudinal Imaging in a Murine Orthotopic Xenograft Model. <i>Radiology</i> , 2011, 261, 136-143.	7.3	74
26	Encapsulation of a Radiolabeled Cluster Inside a Fullerene Cage, ¹⁷⁷ Lu ³⁺ @C ₈₀ : An Interleukin-13-Conjugated Radiolabeled Metallofullerene Platform. <i>Journal of the American Chemical Society</i> , 2010, 132, 4980-4981.	13.7	102
27	Spiro-Bridged Ladder-Type Poly(<i>p</i> -phenylene)s: Towards Structurally Perfect Light-Emitting Materials. <i>Journal of the American Chemical Society</i> , 2008, 130, 7192-7193.	13.7	110
28	Synthesis of Monodisperse Spiro-Bridged Ladder-Type Oligo- <i>p</i> -phenylenes. <i>Organic Letters</i> , 2007, 9, 4435-4438.	4.6	56