Ning Chen

List of Publications by Year
in descending order

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66	2,563	172457	197818
papers	citations	29 h-index	49 g-index

69	69	69	1619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sc₂S@C_s(10528)-C₇₂: A Dimetallic Sulfide Endohedral Fullerene with a Non Isolated Pentagon Rule Cage. Journal of the American Chemical Society, 2012, 134, 7851-7860.	13.7	123
2	The Shape of the Sc₂(Î¼₂-S) Unit Trapped in C₈₂: Crystallographic, Computational, and Electrochemical Studies of the Isomers, Sc₂(Î¼₂-S)@C_s(6)-C₈₂ and Sc₂(Î¼₂-S)@C_{3v}(8)-C₈₂. Journal of the American Chemical Society, 2011, 133, 6752-6760.	13.7	121
3	Russian-Doll-Type Metal Carbide Endofullerene: Synthesis, Isolation, and Characterization of Sc₄C₂@C₈₀. Journal of the American Chemical Society, 2009, 131, 16646-16647.	13.7	118
4	Synthesis of a new endohedral fullerene family, Sc2S@C2n (n = 40â€“50) by the introduction of SO2. Chemical Communications, 2010, 46, 4818.	4.1	106
5	Unique Four-Electron Metal-to-Cage Charge Transfer of Th to a C₈₂ Fullerene Cage: Complete Structural Characterization of Th@C_{3v}(8)-C₈₂. Journal of the American Chemical Society, 2017, 139, 5110-5116.	13.7	97
6	U₂@I_h(7)-C₈₀: Crystallographic Characterization of a Long-Sought Dimetallic Actinide Endohedral Fullerene. Journal of the American Chemical Society, 2018, 140, 3907-3915.	13.7	96
7	Easily accessible polymer additives for tuning the crystal-growth of perovskite thin-films for highly efficient solar cells. Nanoscale, 2016, 8, 5552-5558.	5.6	83
8	Comparative Spectroscopic and Reactivity Studies of Sc₃₋_xY_xN@C₈₀ (x = 0â‹3). Journal of Physical Chemistry C, 2007, 111, 11823-11828.	3.1	81
9	Size Effect of Encaged Clusters on the Exohedral Chemistry of Endohedral Fullerenes:Â A Case Study on the Pyrrolidino Reaction of ScxGd3-xN@C80(x= 0â‹3). Organic Letters, 2007, 9, 2011-2013.	4.6	80
10	Facilitating Electron Transportation in Perovskite Solar Cells via Water-Soluble Fullerenol Interlayers. ACS Applied Materials & Interfaces, 2016, 8, 18284-18291.	8.0	78
11	Fullerenes as Nanocontainers That Stabilize Unique Actinide Species Inside: Structures, Formation, and Reactivity. Accounts of Chemical Research, 2019, 52, 1824-1833.	15.6	78
12	Sc₂S@C₂(7892)â€“C₇₀: a metallic sulfide cluster inside a non-IPR C₇₀cage. Chemical Science, 2013, 4, 180-186.	7.4	77
13	Synthesis and Characterization of Non-Isolated-Pentagon-Rule Actinide Endohedral Metallofullerenes U@C₁(17418)-C₇₆, U@C₁(28324)-C₈₀, and Th@C₁(28324)-C₈₀: Low-Symmetry Cage Selection Directed by a Tetravalent Ion. Journal of the American Chemical Society, 2018, 140, 18039-18050.	13.7	73
14	Fullerene Derivative-Modified SnO₂ Electron Transport Layer for Highly Efficient Perovskite Solar Cells with Efficiency over 21%. ACS Applied Materials & Interfaces, 2019, 11, 33825-33834.	8.0	73
15	Single crystal structures and theoretical calculations of uranium endohedral metallofullerenes (U@C_{2n}, 2n = 74, 82) show cage isomer dependent oxidation states for U. Chemical Science, 2017, 8, 5282-5290.	7.4	71
16	Redox-Active Scandium Oxide Cluster inside a Fullerene Cage: Spectroscopic, Voltammetric, Electron Spin Resonance Spectroelectrochemical, and Extended Density Functional Theory Study of Sc₄O₂@C₈₀ and Its Ion Radicals. Journal of the American Chemical Society, 2012, 134, 19607-19618.	13.7	67
17	A diuranium carbide cluster stabilized inside a C80 fullerene cage. Nature Communications, 2018, 9, 2753.	12.8	63
18	C80 Encaging Four Different Atoms:â€‰ The Synthesis, Isolation, and Characterizations of ScYErN@C80. Journal of Physical Chemistry B, 2006, 110, 13322-13325.	2.6	62

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19	Defect passivation by alcohol-soluble small molecules for efficient pâ€“iâ€“n planar perovskite solar cells with high open-circuit voltage. Journal of Materials Chemistry A, 2019, 7, 21140-21148.	10.3	58
20	Sc₂O@C_{2v}(5)-C₈₀: Dimetallic Oxide Cluster Inside a C₈₀ Fullerene Cage. Inorganic Chemistry, 2015, 54, 9845-9852.	4.0	50
21	Facile Synthesis of an Extensive Family of Sc₂O@C_{2n} (n = 35â€“47) and Chemical Insight into the Smallest Member of Sc₂O@C₂(7892)â€“C₇₀. Journal of Physical Chemistry C, 2014, 118, 28883-28889.	3.1	47
22	Sc₂O@T_d(19151)â€“C₇₆: Hindered Cluster Motion inside a Tetrahedral Carbon Cage Probed by Crystallographic and Computational Studies. Chemistry - A European Journal, 2015, 21, 11110-11117.	3.3	46
23	Sc₂O@C_{3v}(8)-C₈₂: A Missing Isomer of Sc₂O@C₈₂. Inorganic Chemistry, 2016, 55, 1926-1933.	4.0	45
24	Ti2S@D3h(24109)-C78: a sulfide cluster metallofullerene containing only transition metals inside the cage. Chemical Science, 2013, 4, 3404.	7.4	41
25	Single Molecule Magnetism with Strong Magnetic Anisotropy and Enhanced Dyâˆ™âˆ™Dy Coupling in Three Isomers of Dyâ€Oxide Clusterfullerene Dy₂O@C₈₂. Advanced Science, 2019, 6, 1901352.	11.2	40
26	Ammonia-treated graphene oxide and PEDOT:PSS as hole transport layer for high-performance perovskite solar cells with enhanced stability. Organic Electronics, 2019, 70, 63-70.	2.6	40
27	Diuranium(IV) Carbide Cluster U₂C₂ Stabilized Inside Fullerene Cages. Journal of the American Chemical Society, 2019, 141, 20249-20260.	13.7	40
28	Isomeric Sc₂O@C₇₈ Related by a Single-Step Stoneâ€“Wales Transformation: Key Links in an Unprecedented Fullerene Formation Pathway. Inorganic Chemistry, 2016, 55, 11354-11361.	4.0	37
29	Characterization of a strong covalent Th3+â€“Th3+ bond inside an Ih(7)-C80 fullerene cage. Nature Communications, 2021, 12, 2372.	12.8	34
30	Towards a full understanding of regioisomer effects of indene-C₆₀ bisadduct acceptors in bulk heterojunction polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 10206-10219.	10.3	31
31	Interfacial engineering via inserting functionalized water-soluble fullerene derivative interlayers for enhancing the performance of perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 3435-3443.	10.3	30
32	Th@C₁(11)-C₈₆: an actinide encapsulated in an unexpected C₈₆ fullerene cage. Chemical Communications, 2019, 55, 9271-9274.	4.1	30
33	Fullerenes and derivatives as electron transport materials in perovskite solar cells. Science China Chemistry, 2017, 60, 144-150.	8.2	28
34	Shape-adaptive single-molecule magnetism and hysteresis up to 14 K in oxide clusterfullerenes Dy₂O@C₇₂ and Dy₂O@C₇₄ with fused pentagon pairs and flexible Dyâ€“(Î¼₂-O)â€“Dy angle. Chemical Science, 2020, 11, 4766-4772.	7.4	28
35	Sc2C2@D3h(14246)-C74: A Missing Piece of the Clusterfullerene Puzzle. Inorganic Chemistry, 2017, 56, 1974-1980.	4.0	26
36	Interconversions between Uranium Mono-metallofullerenes: Mechanistic Implications and Role of Asymmetric Cages. Journal of the American Chemical Society, 2020, 142, 13112-13119.	13.7	25

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37	U₂N@I_h(7)-C₈₀: fullerene cage encapsulating an unsymmetrical U(<scp>iv</scp>)îNîU(<scp>v</scp>) cluster. Chemical Science, 2021, 12, 282-292.	7.4	25
38	Electrochemistry of Sc3N@C78 and Sc3N@C80 (Ih): On achieving reversible redox waves of the trimetal nitride endohedral fullerenes. Journal of Electroanalytical Chemistry, 2007, 608, 15-21.	3.8	24
39	Endohedrally stabilized C₇₀ isomer with fused pentagons characterized by crystallography. Dalton Transactions, 2016, 45, 8142-8148.	3.3	23
40	Current status of oxide clusterfullerenes. Inorganica Chimica Acta, 2017, 468, 91-104.	2.4	22
41	Enhanced p-i-n type perovskite solar cells by doping AuAg@AuAg core-shell alloy nanocrystals into PEDOT:PSS layer. Organic Electronics, 2018, 52, 309-316.	2.6	22
42	Crystallographic Characterization of U@C_{2n} (2n = 82â€“86): Insights about Metalâ€“Cage Interactions for Mono-metallofullerenes. Journal of the American Chemical Society, 2021, 143, 15309-15318.	13.7	22
43	Th@T_d(19151)-C₇₆: A Highly Symmetric Fullerene Cage Stabilized by a Tetravalent Actinide Metal Ion. Inorganic Chemistry, 2019, 58, 16722-16726.	4.0	20
44	Influence of the Encapsulated Clusters on the Electrochemical Behaviour of Endohedral Fullerene Derivatives: Comparative Study of Nâ€²-tritylpyrrolidino Derivatives of Sc₃N@I_hâ€²C₈₀ and Lu₃N@I_hâ€²C₈₀. ChemPhysChem, 2011, 12, 1422-1425.	2.1	19
45	Crystallographic and spectroscopic characterization of a mixed actinideâ€“lanthanide carbide cluster stabilized inside anI_h(7)-C₈₀fullerene cage. Chemical Communications, 2020, 56, 3867-3870.	4.1	18
46	UCN@C_s(6)-C₈₂: An Encapsulated Triangular UCN Cluster with Ambiguous U Oxidation State [U(III) versus U(I)]. Journal of the American Chemical Society, 2021, 143, 16226-16234.	13.7	18
47	Sc₃O@I_h(7)-C₈₀: A Trimetallic Oxide Clusterfullerene Abundant in the Raw Soot. Journal of Physical Chemistry C, 2016, 120, 26159-26167.	3.1	16
48	Th@D_{5h}(6)-C₈₀: a highly symmetric fullerene cage stabilized by a single metal ion. Chemical Communications, 2021, 57, 6624-6627.	4.1	13
49	Synthesis and Characterization of Two Isomers of Th@C₈₂: Th@C_{2v}(9)-C₈₂ and Th@C₂(5)-C₈₂. Inorganic Chemistry, 2021, 60, 11496-11502.	4.0	11
50	Efficiency enhancement from [60]fulleropyrrolidine-based polymer solar cells through N-substitution manipulation. Carbon, 2015, 92, 185-192.	10.3	10
51	Mixed Dimetallic Cluster Fullerenes: ScGdO@C3v(8)-C82 and ScGdC2@C2v(9)-C82. Inorganic Chemistry, 2018, 57, 11597-11605.	4.0	9
52	Synthesis and characterization of carbene derivatives of Th@C_{3v}(8)-C₈₂ and U@C_{2v}(9)-C₈₂: exceptional chemical properties induced by strong actinideâ€“carbon cage interaction. Chemical Science, 2021, 12, 2488-2497.	7.4	9
53	Metallofullerene single-molecule magnet Dy2O@C2v(5)-C80 with a strong antiferromagnetic DyÂ·Â·Â·Dy coupling. Chemical Communications, 0, , .	4.1	7
54	A non-isolated pentagon rule C82 cage stabilized by a stretched Sc3N cluster. Chemical Communications, 2021, 57, 4150-4153.	4.1	6

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55	Unveiling the impurity-modulated photoluminescence from Mn²⁺-containing metal chalcogenide semiconductors via Fe²⁺ doping. Journal of Materials Chemistry C, 2021, 9, 13680-13686.	5.5	6
56	A novel copper-rich open-framework chalcogenide with chiral topology constructed from distinctive bimetallic [Cu₅SnSe₁₀] clusters. Dalton Transactions, 2021, 50, 14985-14989.	3.3	6
57	Direct Arc-Discharge Assisted Synthesis of C60H2(C3H5N): A cis-1-Pyrrolino C60 Fullerene Hydride with Unusual Redox Properties. Chemistry of Materials, 2010, 22, 2608-2615.	6.7	5
58	Dihydrobenzofuran-C60 bisadducts as electron acceptors in polymer solar cells: Effect of alkyl substituents. Synthetic Metals, 2016, 215, 176-183.	3.9	5
59	Performance enhancement of perovskite solar cells through interfacial engineering: Water-soluble fullerenol C60(OH)16 as interfacial modification layer. Organic Electronics, 2018, 62, 327-334.	2.6	5
60	A pillar-layered chalcogenide framework assembled by [Mn₅S₁₂N₁₂]_n layers and [Sb₂S₅] inorganic pillars. Dalton Transactions, 2021, 50, 16473-16477.	3.3	5
61	Stable 3D neutral gallium thioantimonate frameworks decorated with transition metal complexes for a tunable photocatalytic hydrogen evolution. Dalton Transactions, 2022, 51, 978-985.	3.3	5
62	Synthesis and Characterization of <scp>Lu₃N</scp>@<scp>C₈₀O</scp>. Chinese Journal of Chemistry, 2017, 35, 1459-1462.	4.9	4
63	N-Heterocyclic Thione-Protected Ag₄Tetrahedra and Ag₈Cubes Cocrystallized in a Single Crystal. Inorganic Chemistry, 2022, 61, 9251-9256.	4.0	3
64	Changing the Position of a Bridged CH₂ Group at a Fullerene Cage Surface in Electrochemical Synthesis: The Case of C₇₀ Derivatives. ChemPhysChem, 2011, 12, 2097-2099.	2.1	2
65	Electrochemistry of Sc3N@C78 embedded in didodecyldimethylammonium bromide films in aqueous solution. Mikrochimica Acta, 2009, 165, 45-52.	5.0	0
66	Preparation of Endohedral Metallofullerenes. , 2021, , 1-47.		0