Lan-Sun Zheng

List of Publications by Year
in descending order

289 papers	12,427 citations	22099 59 h-index	39575 94 g-index
294 all docs	294 docs citations	294 times ranked	13113 citing authors

#	Article	IF	Citations
1	Platinum-nickel alloy excavated nano-multipods with hexagonal close-packed structure and superior activity towards hydrogen evolution reaction. Nature Communications, 2017, 8, 15131.	5.8	364
2	Controlling Morphologies and Tuning the Related Properties of Nano/Microstructured ZnO Crystallites. Journal of Physical Chemistry C, 2009, 113, 584-589.	1.5	349
3	Synthesis of porous Cu₂O/CuO cages using Cu-based metalâ€“organic frameworks as templates and their gas-sensing properties. Journal of Materials Chemistry A, 2015, 3, 12796-12803.	5.2	341
4	Low-cost solution-processed copper iodide as an alternative to PEDOT:PSS hole transport layer for efficient and stable inverted planar heterojunction perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 19353-19359.	5.2	239
5	Syntheses and Properties of Micro/Nanostructured Crystallites with Highâ€Energy Surfaces. Advanced Functional Materials, 2010, 20, 3634-3645.	7.8	230
6	A Gigantic Molecular Wheel of {Gd₁₄₀}: A New Member of the Molecular Wheel Family. Journal of the American Chemical Society, 2017, 139, 18178-18181.	6.6	229
7	High-Nuclearity Lanthanide-Containing Clusters as Potential Molecular Magnetic Coolers. Accounts of Chemical Research, 2018, 51, 517-525.	7.6	222
8	Photo-generated dinuclear {Eu(II)}2 active sites for selective CO2 reduction in a photosensitizing metal-organic framework. Nature Communications, 2018, 9, 3353.	5.8	195
9	Hierarchical Assembly of a {Mn^{II}₁₅Mn^{III}₄} Brucite Disc: Step-by-Step Formation and Ferrimagnetism. Journal of the American Chemical Society, 2016, 138, 1328-1334.	6.6	179
10	Assembly of silver Trigons into a buckyball-like Ag ₁₈₀ nanocage. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12132-12137.	3.3	177
11	Anisotropic Assembly of Ag₅₂ and Ag₇₆ Nanoclusters. Journal of the American Chemical Society, 2018, 140, 1600-1603.	6.6	169
12	The effect of noble metal (Au, Pd and Pt) nanoparticles on the gas sensing performance of SnO₂-based sensors: a case study on the {221} high-index faceted SnO₂octahedra. CrystEngComm, 2015, 17, 6308-6313.	1.3	159
13	Surface coordination layer passivates oxidation of copper. Nature, 2020, 586, 390-394.	13.7	154
14	Hydrothermal Syntheses, Crystal Structures and Photoluminescent Properties of Three Metal-Cluster Based Coordination Polymers Containing Mixed Organic Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 125-133.	1.0	153
15	Single-crystal-like hematite colloidal nanocrystal clusters: synthesis and applications in gas sensors, photocatalysis and water treatment. Journal of Materials Chemistry, 2009, 19, 6154.	6.7	139
16	The function of metalâ€“organic frameworks in the application of MOF-based composites. Nanoscale Advances, 2020, 2, 2628-2647.	2.2	136
17	Cerium oxide standing out as an electron transport layer for efficient and stable perovskite solar cells processed at low temperature. Journal of Materials Chemistry A, 2017, 5, 1706-1712.	5.2	133
18	pH-Dependent Ag(<scp>i</scp>) coordination architectures constructed from 4-cyanopyridine and phthalic acid: from discrete structure to 2D sheet. CrystEngComm, 2011, 13, 1591-1601.	1.3	132

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19	Trapping an octahedral Ag6 kernel in a seven-fold symmetric Ag56 nanowheel. Nature Communications, 2018, 9, 2094.	5.8	129
20	Bulky Surface Ligands Promote Surface Reactivities of [Ag₁₄₁X₁₂(S-Adm)₄₀]³⁺ (X = Cl, Br, I) Nanoclusters: Models for Multiple-Twinned Nanoparticles. Journal of the American Chemical Society, 2017, 139, 13288-13291.	6.6	124
21	Etherâ€Soluble Cu₅₃ Nanoclusters as an Effective Precursor of Highâ€Quality CuI Films for Optoelectronic Applications. Angewandte Chemie - International Edition, 2019, 58, 835-839.	7.2	115
22	Molecular Capsules Based on Cucurbit[5]uril Encapsulating â€œNakedâ€•Anion Chlorine. Crystal Growth and Design, 2006, 6, 2611-2614.	1.4	114
23	Efficient Hydrogen Production from Methanol Using a Single-Site Pt₁/CeO₂ Catalyst. Journal of the American Chemical Society, 2019, 141, 17995-17999.	6.6	114
24	Deciphering synergetic core-shell transformation from [Mo6O22@Ag44] to [Mo8O28@Ag50]. Nature Communications, 2018, 9, 4407.	5.8	113
25	Excavated Cubic Platinumâ€“Tin Alloy Nanocrystals Constructed from Ultrathin Nanosheets with Enhanced Electrocatalytic Activity. Angewandte Chemie - International Edition, 2016, 55, 9021-9025.	7.2	111
26	Integration of Lanthanideâ€“Transitionâ€Metal Clusters onto CdS Surfaces for Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 16796-16800.	7.2	109
27	Surface Engineering Protocol To Obtain an Atomically Dispersed Pt/CeO₂ Catalyst with High Activity and Stability for CO Oxidation. ACS Sustainable Chemistry and Engineering, 2018, 6, 14054-14062.	3.2	102
28	High-efficiently visible light-responsive photocatalysts: Ag3PO4 tetrahedral microcrystals with exposed {111} facets of high surface energy. Journal of Materials Chemistry A, 2013, 1, 12635.	5.2	100
29	Controlled synthesis of concave Cu₂O microcrystals enclosed by {hhl} high-index facets and enhanced catalytic activity. Journal of Materials Chemistry A, 2013, 1, 282-287.	5.2	98
30	Coreâ€“Shell {Mn7âŠ‚(Mn,Cd)12} Assembled from Core {Mn7} Disc. Journal of the American Chemical Society, 2017, 139, 14033-14036.	6.6	98
31	Co-crystallization of atomically precise metal nanoparticles driven by magic atomic and electronic shells. Nature Communications, 2018, 9, 3357.	5.8	95
32	Facile syntheses and enhanced electrocatalytic activities of Pt nanocrystals with {hkk} high-index surfaces. Nano Research, 2012, 5, 181-189.	5.8	92
33	Photo-induced Auâ€“Pd alloying at TiO₂ {101} facets enables robust CO₂ photocatalytic reduction into hydrocarbon fuels. Journal of Materials Chemistry A, 2019, 7, 1334-1340.	5.2	89
34	Fabrication of the SnO₂/Î±-Fe₂O₃ Hierarchical Heterostructure and Its Enhanced Photocatalytic Property. Journal of Physical Chemistry C, 2011, 115, 7874-7879.	1.5	88
35	Synthesis and shape-dependent catalytic properties of CeO2 nanocubes and truncated octahedra. CrystEngComm, 2012, 14, 7579.	1.3	88
36	Ambient-pressure synthesis of ethylene glycol catalyzed by C ₆₀ -buffered Cu/SiO ₂. Science, 2022, 376, 288-292.	6.0	88

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37	One-Step Preparation of Large-Scale Self-Assembled Monolayers of Cyanuric Acid and Melamine Supramolecular Species on Au(111) Surfaces. Journal of Physical Chemistry C, 2008, 112, 4209-4218.	1.5	86
38	Mixed-anion templated cage-like lanthanide clusters: Gd₂₇ and Dy₂₇. Inorganic Chemistry Frontiers, 2016, 3, 320-325.	3.0	86
39	A hierarchically assembled 88-nuclei silver-thiacalix[4]arene nanocluster. Nature Communications, 2020, 11, 308.	5.8	86
40	Assembly of a Wheelâ€Like Eu₂₄Ti₈ Cluster under the Guidance of Highâ€Resolution Electrospray Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2018, 57, 10976-10979.	7.2	85
41	Carbonate ions-assisted syntheses of anatase TiO2 nanoparticles exposed with high energy (001) facets. RSC Advances, 2012, 2, 3251.	1.7	80
42	Nonamer Water Cluster Encapsulated in a Heterometallic Supramolecular Complex. Crystal Growth and Design, 2010, 10, 5031-5033.	1.4	79
43	Biomimetic Metalâ€“Organic Framework Composite-Mediated Cascade Catalysis for Synergistic Bacteria Killing. ACS Applied Materials & Interfaces, 2020, 12, 36996-37005.	4.0	78
44	Two Unprecedented POM-Based Inorganicâ€“Organic Hybrids with Concomitant Heteropolytungstate and Molybdate. Inorganic Chemistry, 2017, 56, 2481-2489.	1.9	76
45	Chalcogens-Induced Ag₆Z₄@Ag₃₆ (Z = S or Se) Coreâ€“Shell Nanoclusters: Enlarged Tetrahedral Core and Homochiral Crystallization. Journal of the American Chemical Society, 2019, 141, 17884-17890.	6.6	76
46	A unique open inorganicâ€“organic framework with alternate hexa- and penta-coordinate cobalt(ii) sites. Synthesis, crystal structure and magnetic properties of [Co3(C4H4O4)2.5(OH)]nÂ·0.5nH2O. Dalton Transactions RSC, 2001, , 2888-2890.	2.3	75
47	Heterometallic Lanthanideâ€“Titanium Oxo Clusters: A New Family of Water Oxidation Catalysts. Inorganic Chemistry, 2017, 56, 1057-1060.	1.9	72
48	Combinatorial Identification of Hydrides in a Ligated Ag₄₀ Nanocluster with Noncompact Metal Core. Journal of the American Chemical Society, 2019, 141, 11905-11911.	6.6	72
49	Anion-templated nanosized silver clusters protected by mixed thiolate and diphosphine. Nanoscale, 2017, 9, 3601-3608.	2.8	71
50	Metal-organic frameworks displaying single crystal-to-single crystal transformation through postsynthetic uptake of metal clusters. Chemical Science, 2013, 4, 3232.	3.7	69
51	Three Giant Lanthanide Clusters Ln₃₇ (Ln = Gd, Tb, and Eu) Featuring A Double-Cage Structure. Inorganic Chemistry, 2017, 56, 2037-2041.	1.9	69
52	Anion-Dependent Assembly of Heterometallic 3dâ€“4f Clusters Based on a Lacunary Polyoxometalate. Inorganic Chemistry, 2017, 56, 8439-8445.	1.9	66
53	Highâ€Nuclear Organometallic Copper(I)â€“Alkynide Clusters: Thermochromic Nearâ€Infrared Luminescence and Solution Stability. Chemistry - A European Journal, 2016, 22, 17619-17626.	1.7	65
54	Multifunctional Triple-Decker Inverse 12-Metallacrown-4 Sandwiching Halides. ACS Applied Materials & Interfaces, 2017, 9, 19980-19987.	4.0	65

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55	Thiol-stabilized atomically precise, superatomic silver nanoparticles for catalysing cycloisomerization of alkynyl amines. National Science Review, 2018, 5, 694-702.	4.6	63
56	The Origin of Green Emission of ZnO Microcrystallites:â€‰ Surface-Dependent Light Emission Studied by Cathodoluminescence. Journal of Physical Chemistry C, 2007, 111, 12091-12093.	1.5	62
57	Facile syntheses and electrocatalytic properties of porous Pd and its alloy nanospheres. Journal of Materials Chemistry, 2011, 21, 9620.	6.7	62
58	Cuâ€“Au alloy nanotubes with five-fold twinned structure and their application in surface-enhanced Raman scattering. Journal of Materials Chemistry, 2012, 22, 18192.	6.7	62
59	Johnson Solids: Anionâ€Templated Silver Thiolate Clusters Capped by Sulfonate. Chemistry - A European Journal, 2018, 24, 1640-1650.	1.7	61
60	Magnetic Properties of a Singleâ€Molecule Lanthanideâ€“Transitionâ€Metal Compound Containing 52 Gadolinium and 56 Nickel Atoms. Angewandte Chemie - International Edition, 2016, 55, 4532-4536.	7.2	60
61	A Water-Stable Cl@Ag₁₄ Cluster Based Metalâ€“Organic Open Framework for Dichromate Trapping and Bacterial Inhibition. Inorganic Chemistry, 2017, 56, 11891-11899.	1.9	60
62	Room-temperature ferromagnetic/ferroelectric BiFeO3 synthesized by a self-catalyzed fast reaction process. Journal of Materials Chemistry, 2010, 20, 6512.	6.7	59
63	Ionothermal synthesis of 3dâ€“4f and 4f layered anionic metalâ€“organic frameworks. CrystEngComm, 2009, 11, 1522.	1.3	57
64	Syntheses, structures and photoluminescent properties of a series of Ag(i) coordination architectures based on 2,4-diamino-6-methyl-1,3,5-triazine and dicarboxylates: from a 0D discrete molecule to a 3D infinite network. CrystEngComm, 2011, 13, 6431.	1.3	57
65	High-Nuclearity Lanthanideâ€“Titanium Oxo Clusters as Luminescent Molecular Thermometers with High Quantum Yields. Inorganic Chemistry, 2017, 56, 12186-12192.	1.9	57
66	Syntheses and Crystal Structures of Two Novel Zinc(II) Coordination Polymers. European Journal of Inorganic Chemistry, 2003, 2003, 2678-2682.	1.0	56
67	Self-assembly, thermal stability and photoluminescence of two mixed-ligand silver(i) networks via 2D â†' 2D and 2D â†' 3D parallel interpenetration of (4,4) nets. CrystEngComm, 2010, 12, 4161.	1.3	56
68	A facile surfactant-free synthesis of Rh flower-like nanostructures constructed from ultrathin nanosheets and their enhanced catalytic properties. Nano Research, 2016, 9, 849-856.	5.8	56
69	Ultrasmall Abundant Metal-Based Clusters as Oxygen-Evolving Catalysts. Journal of the American Chemical Society, 2019, 141, 232-239.	6.6	56
70	Versatile fabrication of aligned SnO₂nanotube arrays by using various ZnO arrays as sacrificial templates. Journal of Materials Chemistry, 2009, 19, 1019-1023.	6.7	55
71	Formaldehyde-assisted synthesis of ultrathin Rh nanosheets for applications in CO oxidation. CrystEngComm, 2013, 15, 6127-6130.	1.3	55
72	Ultrafine ZnO quantum dot-modified TiO₂ composite photocatalysts: the role of the quantum size effect in heterojunction-enhanced photocatalytic hydrogen evolution. Catalysis Science and Technology, 2018, 8, 1296-1303.	2.1	55

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73	N-doped carbon shell encapsulated PtZn intermetallic nanoparticles as highly efficient catalysts for fuel cells. Nano Research, 2019, 12, 2490-2497.	5.8	54
74	Singleâ€Atom Molybdenum Engineered Platinum Nanocatalyst for Boosted Alkaline Hydrogen Oxidation. Advanced Energy Materials, 2022, 12, .	10.2	53
75	Control of the topologies and packing modes of three 2D coordination polymers through variation of the solvent ratio of a binary solvent mixture. CrystEngComm, 2008, 10, 1211.	1.3	52
76	Controlled Encapsulation of Flower-like Rhâ€“Ni Alloys with MOFs via Tunable Template Dealloying for Enhanced Selective Hydrogenation of Alkyne. ACS Applied Materials & Interfaces, 2016, 8, 31059-31066.	4.0	52
77	Flexible decapyrrylcorannulene hosts. Nature Communications, 2019, 10, 485.	5.8	52
78	A Giant 3dâ€4f Polyoxometalate Superâ€Tetrahedron with High Proton Conductivity. Small Methods, 2021, 5, e2000777.	4.6	52
79	Influence of reaction conditions on the channel shape of 3d-4f heterometallic metalâ€“organic framework. CrystEngComm, 2008, 10, 1309.	1.3	51
80	Functional Sulfurâ€Doped Buckybowls and Their Concaveâ€“Convex Supramolecular Assembly with Fullerenes. Angewandte Chemie - International Edition, 2016, 55, 13047-13051.	7.2	50
81	Synthesis and room temperature four-state memory prototype of Sr₃Co₂Fe₂₄O₄₁ multiferroics. Applied Physics Letters, 2012, 101, 122903.	1.5	48
82	Insights into Magnetic Interactions in a Monodisperse Gd₁₂Fe₁₄ Metal Cluster. Angewandte Chemie - International Edition, 2017, 56, 11475-11479.	7.2	48
83	Eliminationâ€Fusion Selfâ€Assembly of a Nanometerâ€Scale 72â€Nucleus Silver Cluster Caging a Pair of [EuW₁₀O₃₆]^{9â^'} Polyoxometalates. Chemistry - A European Journal, 2018, 24, 1998-2003.	1.7	48
84	Syntheses, structures and fluorescence of two coordination complexes of Zn(ii) and 1,3-bis(2-methylimidazolyl)propane: solvent effect. CrystEngComm, 2012, 14, 6726.	1.3	47
85	General Assembly of Twisted Trigonalâ€Prismatic Nonanuclear Silver(I) Clusters. Chemistry - A European Journal, 2016, 22, 3019-3028.	1.7	47
86	Effect of lanthanide contraction on crystal structures of lanthanide coordination polymers with 2,5-piperazinedione-1,4-diacetic acid. CrystEngComm, 2010, 12, 2691.	1.3	46
87	Syntheses, crystal structures and photoluminescent properties of two novel Ag(<scp>i</scp>) coordination polymers with benzoguanamine and pyrazine-carboxylate ligands: From 1D helix to 1D â†' 2D interdigitation. CrystEngComm, 2012, 14, 480-487.	1.3	45
88	Anionic Metalâ€“Organic Framework for Adsorption and Separation of Light Hydrocarbons. Inorganic Chemistry, 2015, 54, 3093-3095.	1.9	44
89	Construction of Magnetoelectric Composites with a Large Roomâ€Temperature Magnetoelectric Response through Molecularâ€“Ionic Ferroelectrics. Advanced Materials, 2018, 30, e1803716.	11.1	44
90	Efficiently Enhancing Visible Light Photocatalytic Activity of Faceted TiO₂ Nanocrystals by Synergistic Effects of Coreâ€“Shell Structured Au@CdS Nanoparticles and Their Selective Deposition. ACS Applied Materials & Interfaces, 2016, 8, 21326-21333.	4.0	43

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91	Rational synthesis of an atomically precise carboncone under mild conditions. Science Advances, 2019, 5, eaaw0982.	4.7	43
92	Nanosheet-assembled, hollowed-out hierarchical Î³-Fe₂O₃ microrods for high-performance gas sensing. Journal of Materials Chemistry A, 2020, 8, 3754-3762.	5.2	43
93	A series of di-, tri- and tetranuclear lanthanide clusters with slow magnetic relaxation for Dy2 and Dy4. CrystEngComm, 2011, 13, 2084.	1.3	42
94	Synthesis of layered protonated titanate hierarchical microspheres with extremely large surface area for selective adsorption of organic dyes. CrystEngComm, 2012, 14, 7715.	1.3	42
95	Studies of cluster anions C n X? (X=N, P, As, Sb, Bi) produced by laser ablation. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1995, 33, 49-52.	1.0	41
96	Design and synthesis of 3dâ€“4d heterometallic coordination complexes based on a nonanuclear silver(i) metallatecton. CrystEngComm, 2011, 13, 2833.	1.3	41
97	Spin Transition and Structural Transformation in a Mononuclear Cobalt(II) Complex. Inorganic Chemistry, 2015, 54, 7670-7672.	1.9	41
98	Lanthanide-Titanium Oxo Clusters as the Luminescence Sensor for Nitrobenzene Detection. Inorganic Chemistry, 2020, 59, 12404-12409.	1.9	41
99	Reversible dehydrogenation and rehydrogenation of cyclohexane and methylcyclohexane by single-site platinum catalyst. Nature Communications, 2022, 13, 1092.	5.8	41
100	Microwave synthesis of fullerenes from chloroform. Applied Physics Letters, 1999, 75, 2764-2766.	1.5	40
101	Synthesis of Highly Active Subâ€Nanometer Pt@Rh Coreâ€“Shell Nanocatalyst via a Photochemical Route: Porous Titania Nanoplates as a Superior Photoactive Support. Small, 2017, 13, 1603879.	5.2	40
102	Inorganicâ€“Organic Hybrid Molecular Materials: From Multiferroic to Magnetoelectric. Advanced Materials, 2021, 33, e2004542.	11.1	40
103	Facile synthesis of size-tunable ZIF-8 nanocrystals using reverse micelles as nanoreactors. Science China Chemistry, 2014, 57, 141-146.	4.2	39
104	Coexistence of Magnetic-Optic-Electric Triple Switching and Thermal Energy Storage in a Multifunctional Plastic Crystal of Trimethylchloromethyl Ammonium Tetrachloroferrate(III). Inorganic Chemistry, 2019, 58, 655-662.	1.9	39
105	Hybrid Fullerene-Based Electron Transport Layers Improving the Thermal Stability of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 20733-20740.	4.0	39
106	Coligand and Solvent Effects on the Architectures and Spin-Crossover Properties of (4,4)-Connected Iron(II) Coordination Polymers. Inorganic Chemistry, 2015, 54, 3773-3780.	1.9	38
107	Intense and wavelength-tunable photoluminescence from surface functionalized MgO nanocrystal clusters. Journal of Materials Chemistry, 2011, 21, 7263.	6.7	36
108	Synthesis of spatially uniform metal alloys nanocrystals via a diffusion controlled growth strategy: The case of Au-Pd alloy trisoctahedral nanocrystals with tunable composition. Nano Research, 2012, 5, 618-629.	5.8	36

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109	Synthesis, characterization, crystal structures and thermal and photoluminescence studies of dimethylpyrazine-carboxylate mixed ligand silver(<scp>i</scp>) coordination polymers with various multinuclear silver units. CrystEngComm, 2014, 16, 5028-5039.	1.3	36
110	Anionâ€Templated Nanosized Silver Alkynyl Clusters: Cluster Engineering and Solution Behavior. Chemistry - A European Journal, 2017, 23, 3432-3437.	1.7	36
111	A Sodaliteâ€Type Silver Orthophosphate Cluster in a Globular Silver Nanocluster. Angewandte Chemie - International Edition, 2020, 59, 12659-12663.	7.2	36
112	Bare phosphorus and binary phosphide cluster ions generated by laser ablation. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 38, 171-177.	1.0	35
113	A hexadecanuclear silver alkynyl cluster based NbO framework with triple emissions from the visible to near-infrared II region. Chemical Communications, 2018, 54, 11905-11908.	2.2	35
114	An Unconventional Hydrofullerene C₆₆H₄ with Symmetric Heptagons Retrieved in Low-Pressure Combustion. Journal of the American Chemical Society, 2019, 141, 6651-6657.	6.6	35
115	Polyoxometalate-Based Metal-Organic Frameworks as Heterogeneous Catalysts for Selective Oxidation of Ethylbenzene. European Journal of Inorganic Chemistry, 2010, 2010, 4526-4531.	1.0	34
116	A novel arenedisulfonate-templated 1D silver ladder constructed from 4-aminobenzonitrile ligand. CrystEngComm, 2011, 13, 5661.	1.3	34
117	Partially inverse spinel ZnFe2O4 with high saturation magnetization synthesized via a molten salt route. Applied Physics Letters, 2011, 99, .	1.5	34
118	Multiple correlations between spin crossover and fluorescence in a dinuclear compound. Chemical Communications, 2016, 52, 14322-14325.	2.2	34
119	3D â† 3D interpenetrated and 2D â† 3D polycatenated Ag(<scp>i</scp>) networks constructed from 1,4-bis(2-methylimidazol-1-ylmethyl)benzene and dicarboxylates. CrystEngComm, 2012, 14, 379-382.	1.3	33
120	Novel hydrogen storage properties of palladium nanocrystals activated by a pentagonal cyclic twinned structure. Nano Research, 2015, 8, 2698-2705.	5.8	33
121	Simultaneous Exfoliation and Modification of Graphitic Carbon Nitride Nanosheets. Advanced Materials Interfaces, 2017, 4, 1700339.	1.9	33
122	Ligand-Dependent Luminescence Properties of Lanthanideâ€“Titanium Oxo Clusters. Inorganic Chemistry, 2019, 58, 15008-15012.	1.9	33
123	Atomâ€Precise Polyoxometalateâ€“Ag₂S Coreâ€“Shell Nanoparticles. Chemistry - an Asian Journal, 2015, 10, 1295-1298.	1.7	32
124	Stepwise Assembly of Ag₄₂ Nanocalices Based on a Mo^{VI}-Anchored Thiacalix[4]arene Metalloligand. ACS Nano, 2022, 16, 4500-4507.	7.3	32
125	Janus Cluster: Asymmetric Coverage of a Ag₄₃ Cluster on the Symmetric Preyssler P₅W₃₀ Polyoxometalate. Chemistry of Materials, 2021, 33, 9708-9714.	3.2	32
126	Ternary Alloys Encapsulated within Different MOFs via a Selfâ€Sacrificing Template Process: A Potential Platform for the Investigation of Sizeâ€Selective Catalytic Performances. Small, 2017, 13, 1700683.	5.2	31

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127	Composition-tunable synthesis of Ptâ€“Cu octahedral alloy nanocrystals from PtCu to PtCu3via underpotential-deposition-like process and their electro-catalytic properties. RSC Advances, 2015, 5, 18153-18158.	1.7	30
128	Giant Roomâ€Temperature Magnetodielectric Response in a MOF at 0.1 Tesla. Advanced Materials, 2017, 29, 1702512.	11.1	30
129	A Large Titanium Oxo Cluster Featuring a Well-Defined Structural Unit of Rutile. Crystal Growth and Design, 2018, 18, 4864-4868.	1.4	30
130	Twin-Crystal Nature of the Single-Crystal-Like Branched Cu₂O Particles. Journal of Physical Chemistry C, 2008, 112, 13405-13409.	1.5	29
131	Effect of ionic radius on the assemblies of first row transition metalâ€“5-tert-butylisophthalatesâ€“(2,2â€²-bipyridine or phenanthroline) coordination compounds. CrystEngComm, 2012, 14, 1301-1316.	1.3	29
132	Small size yet big action: a simple sulfate anion templated a discrete 78-nuclearity silver sulfur nanocluster with a multishell structure. Chemical Communications, 2018, 54, 2361-2364.	2.2	29
133	Room-Temperature Magnetoelectric Coupling in Electronic Ferroelectric Film based on [(n-C₃H₇)₄N][Fe^{III}Fe^{II}(dto)₃] (dto = C₂O₂S₂). Journal of the American Chemical Society, 2021, 143, 5779-5785.	6.6	29
134	Facile and environmentally friendly synthesis of six heterometallic dumbbell-shaped MII5LnIII4 (M = Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Transactions, 2018, 47, 16850-16854.	1.6	28
135	The Effect on the Luminescent Properties in Lanthanide-Titanium OXO Clusters. Inorganic Chemistry, 2019, 58, 10078-10083.	1.9	28
136	One-step synthesis of thermally stable artificial multienzyme cascade system for efficient enzymatic electrochemical detection. Nano Research, 2019, 12, 3031-3036.	5.8	28
137	Magnetic 3dâ€“4f Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. Journal of the American Chemical Society, 2022, 144, 8837-8847.	6.6	28
138	Anionâ€Dependent Spin Crossover and Coordination Assembly Based on [Fe(tpa)]²⁺ [tpa = tris(2â€pyridylmethyl)amine] and [N(CN)₂]^{â€“}: Square, Zigzag, Dimeric, and [4+1]â€Cocrystallized Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 916-926.	1.0	27
139	Room Temperature Lead-Free Multiaxial Inorganicâ€“Organic Hybrid Ferroelectric. Inorganic Chemistry, 2019, 58, 13953-13959.	1.9	27
140	A novel 58-nuclei silver nanowheel encapsulating a subvalent Ag64+ kernel. Science China Chemistry, 2020, 63, 16-20.	4.2	27
141	Solventâ€Controlled Condensation of [Mo₂O₅(PTC4A)₂]^{6â^’} Metalloligand in Stepwise Assembly of Hexagonal and Rectangular Ag₁₈ Nanoclusters. Angewandte Chemie - International Edition, 2022, 61, .	7.2	27
142	An unprecedented (4,24)-connected metalâ€“organic framework sustained by nanosized Ag12 cuboctahedral node. CrystEngComm, 2011, 13, 7311.	1.3	26
143	Propagative Exfoliation of High Quality Graphene. Chemistry of Materials, 2013, 25, 4487-4496.	3.2	26
144	Formulation engineering for optimizing ternary electron acceptors exemplified by isomeric PC₇₁BM in planar perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 18776-18782.	5.2	26

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145	Templated synthesis of diluted magnetic semiconductors using transition metal ion-doped metalâ€“organic frameworks: the case of Co-doped ZnO. CrystEngComm, 2016, 18, 4121-4126.	1.3	26
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