

Dan Wang

List of Publications by Year in descending order

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230
papers

23,232
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8732

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times ranked

21942
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#	ARTICLE	IF	CITATIONS
1	Recent advances in micro-/nano-structured hollow spheres for energy applications: From simple to complex systems. <i>Energy and Environmental Science</i> , 2012, 5, 5604-5618.	15.6	1,069
2	Two-Dimensional Graphene Bridges Enhanced Photoinduced Charge Transport in Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2010, 4, 887-894.	7.3	925
3	Hierarchically Ordered Macro [~] Mesoporous TiO ₂ ~Graphene Composite Films: Improved Mass Transfer, Reduced Charge Recombination, and Their Enhanced Photocatalytic Activities. <i>ACS Nano</i> , 2011, 5, 590-596.	7.3	715
4	Growth of Polypyrrole Ultrathin Films on MoS ₂ Monolayers as High-Performance Supercapacitor Electrodes. <i>Advanced Materials</i> , 2015, 27, 1117-1123.	11.1	691
5	Accurate Control of Multishelled Co ₃ O ₄ Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6417-6420.	7.2	650
6	Î±-Fe ₂ O ₃ multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention. <i>Energy and Environmental Science</i> , 2014, 7, 632-637.	15.6	630
7	Multi-shelled hollow micro-/nanostructures. <i>Chemical Society Reviews</i> , 2015, 44, 6749-6773.	18.7	603
8	Graphdiyne: synthesis, properties, and applications. <i>Chemical Society Reviews</i> , 2019, 48, 908-936.	18.7	584
9	Facile Synthesis of Surfactant-Free Au Cluster/Graphene Hybrids for High-Performance Oxygen Reduction Reaction. <i>ACS Nano</i> , 2012, 6, 8288-8297.	7.3	578
10	Cross-Linked g-C ₃ N ₄ /rGO Nanocomposites with Tunable Band Structure and Enhanced Visible Light Photocatalytic Activity. <i>Small</i> , 2013, 9, 3336-3344.	5.2	564
11	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. <i>Nature Chemistry</i> , 2018, 10, 924-931.	6.6	558
12	General Synthesis and Gas-Sensing Properties of Multiple-Shell Metal Oxide Hollow Microspheres. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2738-2741.	7.2	517
13	Accurate Control of Multishelled ZnO Hollow Microspheres for Dye-Sensitized Solar Cells with High Efficiency. <i>Advanced Materials</i> , 2012, 24, 1046-1049.	11.1	482
14	Photocatalytic Properties of Graphdiyne and Graphene Modified TiO ₂ : From Theory to Experiment. <i>ACS Nano</i> , 2013, 7, 1504-1512.	7.3	434
15	Facile synthesis of Au@TiO ₂ core-shell hollow spheres for dye-sensitized solar cells with remarkably improved efficiency. <i>Energy and Environmental Science</i> , 2012, 5, 6914.	15.6	427
16	Multishelled TiO ₂ Hollow Microspheres as Anodes with Superior Reversible Capacity for Lithium Ion Batteries. <i>Nano Letters</i> , 2014, 14, 6679-6684.	4.5	406
17	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016, 1, .	19.8	352
18	Design of Hollow Nanostructures for Energy Storage, Conversion and Production. <i>Advanced Materials</i> , 2019, 31, e1801993.	11.1	313

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19	Accurate Control of Multishelled Co ₃ O ₄ Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2013, 125, 6545-6548.	1.6	290
20	A Novel and Highly Efficient Photocatalyst Based on P25-Graphdiyne Nanocomposite. <i>Small</i> , 2012, 8, 265-271.	5.2	289
21	Hollow Multi-Shelled Structures of Co ₃ O ₄ Dodecahedron with Unique Crystal Orientation for Enhanced Photocatalytic CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 2238-2241.	6.6	287
22	Quintuple-Shelled SnO ₂ Hollow Microspheres with Superior Light Scattering for High-Performance Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 905-909.	11.1	283
23	Dendrite-Free Sodium-Metal Anodes for High-Energy Sodium-Metal Batteries. <i>Advanced Materials</i> , 2018, 30, e1801334.	11.1	267
24	Molecular Architecture of Cobalt Porphyrin Multilayers on Reduced Graphene Oxide Sheets for High-Performance Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5585-5589.	7.2	242
25	General Synthesis of Homogeneous Hollow Core-Shell Ferrite Microspheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2792-2797.	1.5	220
26	Two-dimensional carbon leading to new photoconversion processes. <i>Chemical Society Reviews</i> , 2014, 43, 4281-4299.	18.7	214
27	Constructing SrTiO ₃ -TiO ₂ Heterogeneous Hollow Multi-Shelled Structures for Enhanced Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1422-1426.	7.2	212
28	Superstructures and SERS Properties of Gold Nanocrystals with Different Shapes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1593-1596.	7.2	206
29	A self-sponsored doping approach for controllable synthesis of S and N co-doped trimodal-porous structured graphitic carbon electrocatalysts. <i>Energy and Environmental Science</i> , 2014, 7, 3720-3726.	15.6	198
30	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
31	Stereodefined Codoping of sp-N and S Atoms in Few-Layer Graphdiyne for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 7240-7244.	6.6	198
32	Multi-shelled hollow micro-/nanostructures: promising platforms for lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 414-430.	3.2	189
33	Sandwich-Like Ultrathin TiS ₂ Nanosheets Confined within N, S Codoped Porous Carbon as an Effective Polysulfide Promoter in Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901872.	10.2	186
34	A New Graphdiyne Nanosheet/Pt Nanoparticle-Based Counter Electrode Material with Enhanced Catalytic Activity for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500296.	10.2	180
35	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018, 30, e1801171.	11.1	180
36	One dimensional CuInS ₂ -ZnS heterostructured nanomaterials as low-cost and high-performance counter electrodes of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 835.	15.6	164

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37	Hollow Multishelled Structures for Promising Applications: Understanding the Structure–Performance Correlation. <i>Accounts of Chemical Research</i> , 2019, 52, 2169-2178.	7.6	160
38	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14309-14318.	5.2	157
39	pH-Regulated Synthesis of Multi-Shelled Manganese Oxide Hollow Microspheres as Supercapacitor Electrodes Using Carbonaceous Microspheres as Templates. <i>Advanced Science</i> , 2014, 1, 1400011.	5.6	154
40	Sequential Templating Approach: A Groundbreaking Strategy to Create Hollow Multishelled Structures. <i>Advanced Materials</i> , 2019, 31, e1802874.	11.1	153
41	Hollow Multi-Shelled Structural TiO ₂ with Multiple Spatial Confinement for Long-Life Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9078-9082.	7.2	149
42	Controllable synthesis of mesostructures from TiO ₂ hollow to porous nanospheres with superior rate performance for lithium ion batteries. <i>Chemical Science</i> , 2016, 7, 793-798.	3.7	147
43	Hollow multishell structures exercise temporal–spatial ordering and dynamic smart behaviour. <i>Nature Reviews Chemistry</i> , 2020, 4, 159-168.	13.8	147
44	Synthesis and Applications of Graphdiyne-Based Metal-Free Catalysts. <i>Advanced Materials</i> , 2019, 31, e1803762.	11.1	143
45	Ordered Arrays of Bead-Chain-like In ₂ O ₃ Nanorods and Their Enhanced Sensing Performance for Formaldehyde. <i>Chemistry of Materials</i> , 2010, 22, 3033-3042.	3.2	140
46	Hydrothermal Transformation of Dried Grass into Graphitic Carbon-Based High Performance Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2014, 10, 3371-3378.	5.2	135
47	Lattice Distortion in Hollow Multi-Shelled Structures for Efficient Visible-Light CO ₂ Reduction with a SnS ₂ /SnO ₂ Junction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 721-724.	7.2	128
48	Engineering of multi-shelled SnO ₂ hollow microspheres for highly stable lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17673-17677.	5.2	127
49	A Rutile TiO ₂ Electron Transport Layer for the Enhancement of Charge Collection for Efficient Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9414-9418.	7.2	124
50	Formation of Septuple-Shelled (Co _{2/3} Mn _{1/3})(Co _{5/6} Mn _{1/6}) ₂ O ₄ Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , 2017, 29, 1700550.	11.1	122
51	Hollow Multishelled Heterostructured Anatase/TiO ₂ (B) with Superior Rate Capability and Cycling Performance. <i>Advanced Materials</i> , 2019, 31, e1805754.	11.1	117
52	Steering Hollow Multishelled Structures in Photocatalysis: Optimizing Surface and Mass Transport. <i>Advanced Materials</i> , 2020, 32, e2002556.	11.1	116
53	Atomically dispersed Mn–C catalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23187-23201.	5.2	109
54	Removal of Cd ²⁺ from aqueous solutions by hydroxyapatite. <i>Catalysis Today</i> , 2008, 139, 94-99.	2.2	107

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55	Precursor-induced fabrication of Bi_2O_3 microspheres and their performance as visible-light-driven photocatalysts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9069.	5.2	107
56	V_2O_5 Textile Cathodes with High Capacity and Stability for Flexible Lithium-Ion Batteries. <i>Advanced Materials</i> , 2020, 32, e1906205.	11.1	107
57	Triple-Shelled Manganese-Cobalt Oxide Hollow Dodecahedra with Highly Enhanced Performance for Rechargeable Alkaline Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 996-1001.	7.2	104
58	Hydrothermal Synthesis and Characterization of a Novel One-Dimensional Titanium Glycolate Complex Single Crystal: $\text{Ti}(\text{OCH}_2\text{CH}_2\text{O})_2$. <i>Chemistry of Materials</i> , 1999, 11, 2008-2012.	3.2	103
59	Hollow Multi-Shelled Structure with Metal-Organic-Framework-Derived Coatings for Enhanced Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5266-5271.	7.2	102
60	Direct hydrothermal synthesis of single-crystalline hematite nanorods assisted by 1,2-propanediamine. <i>Nanotechnology</i> , 2009, 20, 245603.	1.3	100
61	One-step solid phase synthesis of a highly efficient and robust cobalt pentlandite electrocatalyst for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18314-18321.	5.2	97
62	Construction of Multishelled Binary Metal Oxides via Coabsorption of Positive and Negative Ions as a Superior Cathode for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 17114-17119.	6.6	96
63	Multi-shelled $\text{TiO}_2/\text{Fe}_2\text{TiO}_5$ heterostructured hollow microspheres for enhanced solar water oxidation. <i>Nano Research</i> , 2017, 10, 3920-3928.	5.8	94
64	Graphdiyne: Recent Achievements in Photo- and Electrochemical Conversion. <i>Advanced Science</i> , 2018, 5, 1800959.	5.6	93
65	Highly Selective Two-Electron Electrocatalytic CO_2 Reduction on Single-Atom Cu Catalysts. <i>Small Structures</i> , 2021, 2, 2000058.	6.9	93
66	Hierarchically Mesoporous Hematite Microspheres and Their Enhanced Formaldehyde Sensing Properties. <i>Small</i> , 2011, 7, 578-582.	5.2	92
67	Strongly Coupled CoCr_2O_4 /Carbon Nanosheets as High Performance Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , 2016, 12, 2866-2871.	5.2	90
68	Remarkably enhanced water splitting activity of nickel foam due to simple immersion in a ferric nitrate solution. <i>Nano Research</i> , 2018, 11, 3959-3971.	5.8	88
69	A Hollow Multi-Shelled Structure for Charge Transport and Active Sites in Lithium-Ion Capacitors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4865-4868.	7.2	87
70	Hollow Multishelled Structure of Heterogeneous Co_3O_4 - CeO_2 Nanocomposite for CO Catalytic Oxidation. <i>Advanced Functional Materials</i> , 2019, 29, 1806588.	7.8	86
71	Multi-shelled LiMn_2O_4 hollow microspheres as superior cathode materials for lithium-ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 365-369.	3.0	84
72	Enriched graphitic N in nitrogen-doped graphene as a superior metal-free electrocatalyst for the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2018, 42, 19665-19670.	1.4	82

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73	Morphology control of hydroxyapatite through hydrothermal process. <i>Journal of Alloys and Compounds</i> , 2008, 457, 555-559.	2.8	81
74	Dual Defects Adjusted Crystal Field Splitting of LaCo ₂ NiO ₃ Hollow Multishelled Structures for Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19691-19695.	7.2	80
75	Hierarchical Three-Dimensional Cobalt Phosphate Microarchitectures: Large-Scale Solvothermal Synthesis, Characterization, and Magnetic and Microwave Absorption Properties. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15948-15955.	1.5	77
76	Dynamic Intelligent Cu Current Collectors for Ultrastable Lithium Metal Anodes. <i>Nano Letters</i> , 2020, 20, 3403-3410.	4.5	77
77	A dual-template strategy to engineer hierarchically porous Fe-N-C electrocatalysts for the high-performance cathodes of Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9761-9770.	5.2	77
78	Highly controlled synthesis of multi-shelled NiO hollow microspheres for enhanced lithium storage properties. <i>Materials Research Bulletin</i> , 2017, 87, 224-229.	2.7	76
79	Fe ₄ and Co ₄ dual sites for boosting oxygen electroreduction in Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13678-13687.	5.2	72
80	Hollow Micro-/Nanostructure Reviving Lithium-sulfur Batteries. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 313-319.	1.3	70
81	Highly Efficient Photothermal Conversion and Water Transport during Solar Evaporation Enabled by Amorphous Hollow Multishelled Nanocomposites. <i>Advanced Materials</i> , 2022, 34, e2107400.	11.1	68
82	TiO ₂ and Co Nanoparticle Decorated Carbon Polyhedra as Efficient Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>Small</i> , 2019, 15, e1804533.	5.2	67
83	Dually Ordered Porous TiO ₂ -CrGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017, 29, 1604795.	11.1	66
84	Formation of multi-shelled nickel-based sulfide hollow spheres for rechargeable alkaline batteries. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 535-540.	3.0	66
85	Delicate Control on the Shell Structure of Hollow Spheres Enables Tunable Mass Transport in Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6926-6931.	7.2	65
86	A high-entropy perovskite titanate lithium-ion battery anode. <i>Journal of Materials Science</i> , 2020, 55, 6942-6951.	1.7	63
87	Dual-nitrogen-source engineered Fe-N _x moieties as a booster for oxygen electroreduction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11007-11015.	5.2	62
88	Synthesis of multi-shelled MnO ₂ hollow microspheres via an anion-adsorption process of hydrothermal intensification. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1065-1070.	3.0	60
89	Patterning Islandlike MnO ₂ Arrays by Breath-Figure Templates for Flexible Transparent Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27001-27008.	4.0	60
90	In situ synthesis of Co ₃ O ₄ nanoparticles confined in 3D nitrogen-doped porous carbon as an efficient bifunctional oxygen electrocatalyst. <i>Rare Metals</i> , 2020, 39, 1383-1394.	3.6	57

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91	Efficient sequential harvesting of solar light by heterogeneous hollow shells with hierarchical pores. <i>National Science Review</i> , 2020, 7, 1638-1646.	4.6	57
92	Nonaqueous Synthesis and Characterization of a Novel Layered Zirconium Phosphate Templated with Mixed Organic and Inorganic Cations. <i>Chemistry of Materials</i> , 2000, 12, 956-960.	3.2	56
93	Controllable Synthesis of Hollow Multishell Structured Co ₃ O ₄ with Improved Rate Performance and Cyclic Stability for Supercapacitors. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 68-73.	1.3	53
94	Sequential drug release via chemical diffusion and physical barriers enabled by hollow multishelled structures. <i>Nature Communications</i> , 2020, 11, 4450.	5.8	52
95	Low-temperature hydrothermal synthesis and structure control of nano-sized CePO ₄ . <i>CrystEngComm</i> , 2009, 11, 1630.	1.3	51
96	A Hollow-shell Structured V ₂ O ₅ Electrode-Based Symmetric Full Li-ion Battery with Highest Capacity. <i>Advanced Energy Materials</i> , 2019, 9, 1900909.	10.2	51
97	High-Pressure Synthesis and Structure of SrCo ₆ O ₁₁ : A Pillared Kagomé Lattice System with a 1/3 Magnetization Plateau. <i>Chemistry of Materials</i> , 2005, 17, 2789-2791.	3.2	50
98	Uniform Two-dimensional Co ₃ O ₄ Porous Sheets: Facile Synthesis and Enhanced Photocatalytic Performance. <i>Chemical Engineering and Technology</i> , 2016, 39, 891-898.	0.9	50
99	Core-shell nano/microstructures for heterogeneous tandem catalysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1126-1139.	3.2	50
100	Transition Metal and Nitrogen Co-doped Carbon-based Electrocatalysts for the Oxygen Reduction Reaction: From Active Site Insights to the Rational Design of Precursors and Structures. <i>ChemSusChem</i> , 2021, 14, 33-55.	3.6	49
101	Unique structural advances of graphdiyne for energy applications. <i>EnergyChem</i> , 2020, 2, 100041.	10.1	48
102	An in situ vapour phase hydrothermal surface doping approach for fabrication of high performance Co ₃ O ₄ electrocatalysts with an exceptionally high S-doped active surface. <i>Chemical Communications</i> , 2015, 51, 5695-5697.	2.2	47
103	The surface sulfur doping induced enhanced performance of cobalt catalysts in oxygen evolution reactions. <i>Chemical Communications</i> , 2016, 52, 9450-9453.	2.2	47
104	BiSb@Bi ₂ O ₃ /SbO _x encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 429-438.	5.0	47
105	High-entropy chemistry stabilizing spinel oxide (CoNiZnXMnLi) ₃ O ₄ (X = Fe, Cr) for high-performance anode of Li-ion batteries. <i>Rare Metals</i> , 2022, 41, 1265-1275.	3.6	46
106	Hollow Multi-shelled Structural TiO ₂ with Multiple Spatial Confinement for Long-life Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2019, 131, 9176-9180.	1.6	45
107	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. <i>Energy and Environmental Science</i> , 2021, 14, 3502-3509.	15.6	45
108	Granule-like Stacking Structures with TiO ₂ @Graphene Nanosheets for Improving Photoelectric Conversion. <i>Small</i> , 2012, 8, 1762-1770.	5.2	44

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109	General Synthesis of Multipleâ€Cores@Multipleâ€Shells Hollow Composites and Their Application to Lithiumâ€Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25719-25722.	7.2	44
110	Resonanceâ€Enhanced Absorption in Hollow Nanoshell Spheres with Omnidirectional Detection and High Responsivity and Speed. <i>Advanced Materials</i> , 2018, 30, e1801972.	11.1	43
111	Constructing SrTiO ₃ â€TiO ₂ Heterogeneous Hollow Multiâ€shelled Structures for Enhanced Solar Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 1436-1440.	1.6	42
112	Small Structures Bring Big Things: Performance Control of Hollow Multishelled Structures. <i>Small Structures</i> , 2021, 2, 2000041.	6.9	42
113	Amorphous High-entropy Non-precious metal oxides with surface reconstruction toward highly efficient and durable catalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 635-644.	5.0	42
114	Lattice Distortion in Hollow Multiâ€shelled Structures for Efficient Visibleâ€Light CO ₂ Reduction with a SnS ₂ /SnO ₂ Junction. <i>Angewandte Chemie</i> , 2020, 132, 731-734.	1.6	41
115	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , 2021, 40, 2464-2473.	3.6	41
116	High rate Li-ion storage properties of MOF-carbonized derivatives coated on MnO nanowires. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1975-1981.	3.2	39
117	When hollow multishelled structures (HoMSs) meet metalâ€organic frameworks (MOFs). <i>Chemical Science</i> , 2020, 11, 5359-5368.	3.7	39
118	Hollow Multishelled Structured SrTiO ₃ with La/Rh Coâ€Doping for Enhanced Photocatalytic Water Splitting under Visible Light. <i>Small</i> , 2021, 17, e2005345.	5.2	38
119	Removal of Cd ²⁺ from aqueous solution with carbon modified aluminum-pillared montmorillonite. <i>Catalysis Today</i> , 2008, 139, 135-139.	2.2	34
120	A fluorescent quenching performance enhancing principle for carbon nanodot-sensitized aqueous solar cells. <i>Nano Energy</i> , 2015, 13, 124-130.	8.2	34
121	Design of three-dimensional hierarchical TiO ₂ /SrTiO ₃ heterostructures towards selective CO ₂ photoreduction. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1667-1674.	3.0	33
122	MnO ₂ /Porous Carbon Nanotube/MnO ₂ Nanocomposites for High-Performance Supercapacitor. <i>ACS Applied Nano Materials</i> , 2020, 3, 11152-11159.	2.4	33
123	Accurately Localizing Multiple Nanoparticles in a Multishelled Matrix Through Shellâ€toâ€Core Evolution for Maximizing Energyâ€Storage Capability. <i>Advanced Materials</i> , 2022, 34, e2200206.	11.1	32
124	Hollow multishelled structures revive high energy density batteries. <i>Nanoscale Horizons</i> , 2020, 5, 1287-1292.	4.1	31
125	Nanosized high entropy spinel oxide (FeCoNiCrMn) ₃ O ₄ as a highly active and ultra-stable electrocatalyst for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1479-1488.	2.5	31
126	In-situ synthesis of niobium-doped TiO ₂ nanosheet arrays on double transition metal MXene (TiNbCTx) as stable anode material for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 147-155.	5.0	31

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127	High Valence M-Incorporated PdCu Nanoparticles (M = Ir, Rh, Ru) for Water Electrolysis in Alkaline Solution. <i>Nano Letters</i> , 2021, 21, 5774-5781.	4.5	30
128	Catalytic performance in phenol hydroxylation by hydrogen peroxide over a catalyst of Vâ€œZrâ€œO complex. <i>Catalysis Today</i> , 1999, 51, 39-46.	2.2	29
129	Enhanced Light Harvesting in Plasmonic Dyeâ€œSensitized Solar Cells by Using a Topologically Ordered Gold Lightâ€œTrapping Layer. <i>ChemSusChem</i> , 2012, 5, 572-576.	3.6	29
130	A Hollow Multiâ€œShelled Structure for Charge Transport and Active Sites in Lithiumâ€œIon Capacitors. <i>Angewandte Chemie</i> , 2020, 132, 4895-4898.	1.6	29
131	Graphdiyne with Enhanced Ability for Electron Transfer. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2018, 34, 1048-1060.	2.2	29
132	Boosting electrochemical reaction and suppressing phase transition with a high-entropy O3-type layered oxide for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14943-14953.	5.2	29
133	One-Pot Synthesis of Porous Hematite Hollow Microspheres and Their Application in Water Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7707-7710.	0.9	28
134	Synthesis and photocatalytic activity of hierarchical flower-like SrTiO3 nanostructure. <i>Science China Materials</i> , 2015, 58, 192-197.	3.5	28
135	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for Highâ€œPerformance Potassiumâ€œIon Batteries. <i>ChemElectroChem</i> , 2019, 6, 3699-3707.	1.7	28
136	Sulfur-based redox chemistry for electrochemical energy storage. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213445.	9.5	28
137	Synergistic Interfacial and Doping Engineering of Heterostructured NiCo(OH) _x -Co ₂ W as an Efficient Alkaline Hydrogen Evolution Electrocatalyst. <i>Nano-Micro Letters</i> , 2021, 13, 120.	14.4	28
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