Bu Yuan Guan

List of Publications by Year in Descending Order

76 papers	12,536 citations	49 h-index	82 g-index
82 ext. papers	14,632 ext. citations	14.3 avg, IF	7.41 L-index

#	Paper	IF	Citations
76	General Synthesis of Hierarchically Macro/Mesoporous Fe,Ni-Doped CoSe/N-Doped Carbon Nanoshells for Enhanced Electrocatalytic Oxygen Evolution. *Inorganic Chemistry*, **2021**, 60, 6782-6789	5.1	3
75	In Search of Excellence: Convex versus Concave Noble Metal Nanostructures for Electrocatalytic Applications. *Advanced Materials*, **2021**, 33, e2004554	24	12
74	General Formation of Macro-/Mesoporous Nanoshells from Interfacial Assembly of Irregular Mesostructured Nanounits. *Angewandte Chemie*, **2020**, 132, 19831-19836	3.6	
73	General Formation of Macro-/Mesoporous Nanoshells from Interfacial Assembly of Irregular Mesostructured Nanounits. *Angewandte Chemie - International Edition*, **2020**, 59, 19663-19668	16.4	17
72	A Green Selective Water-Etching Approach to MOF@Mesoporous SiO2 Yolk-Shell Nanoreactors with Enhanced Catalytic Stabilities. *Matter*, **2020**, 3, 498-508	12.7	28
71	Metal Atom-Doped Co O Hierarchical Nanoplates for Electrocatalytic Oxygen Evolution. *Advanced Materials*, **2020**, 32, e2002235	24	151
70	Universal Access to Two-Dimensional Mesoporous Heterostructures by Micelle-Directed Interfacial Assembly. *Angewandte Chemie*, **2020**, 132, 19738-19743	3.6	8
69	Universal Access to Two-Dimensional Mesoporous Heterostructures by Micelle-Directed Interfacial Assembly. *Angewandte Chemie - International Edition*, **2020**, 59, 19570-19575	16.4	32
68	Spatially separated bimetallic cocatalysts on hollow-structured TiO2 for photocatalytic hydrogen generation. *Materials Chemistry Frontiers*, **2020**, 4, 1671-1678	7.8	12
67	Spatially Separated Bifunctional Cocatalysts Decorated on Hollow-Structured TiO for Enhanced Photocatalytic Hydrogen Generation. *ACS Applied Materials & Interfaces*, **2020**, 12, 23356-23362	9.5	16
66	Confining Sub-Nanometer Pt Clusters in Hollow Mesoporous Carbon Spheres for Boosting Hydrogen Evolution Activity. *Advanced Materials*, **2020**, 32, e1901349	24	143
65	Mesoporous Nanoarchitectures for Electrochemical Energy Conversion and Storage. *Advanced Materials*, **2020**, 32, e2004654	24	44
64	Ordered Macro-Microporous Metal-Organic Framework Single Crystals and Their Derivatives for Rechargeable Aluminum-Ion Batteries. *Journal of the American Chemical Society*, **2019**, 141, 14764-14771	16.4	128
63	A general dual-templating approach to biomass-derived hierarchically porous heteroatom-doped carbon materials for enhanced electrocatalytic oxygen reduction. *Energy and Environmental Science* , **2019**, 12, 648-655	35.4	212
62	Synthesis of CuS@CoS2 Double-Shelled Nanoboxes with Enhanced Sodium Storage Properties. *Angewandte Chemie*, **2019**, 131, 7821-7825	3.6	55
61	Synthesis of CuS@CoS Double-Shelled Nanoboxes with Enhanced Sodium Storage Properties. *Angewandte Chemie - International Edition*, **2019**, 58, 7739-7743	16.4	120
60	Co-Fe Alloy/N-Doped Carbon Hollow Spheres Derived from Dual Metal-Organic Frameworks for Enhanced Electrocatalytic Oxygen Reduction. *Small*, **2019**, 15, e1805324	11	120

59	Fabrication of CdS hierarchical multi-cavity hollow particles for efficient visible light CO2 reduction. *Energy and Environmental Science*, **2019**, 12, 164-168	35.4	156
58	Realization of Walnut-Shaped Particles with Macro-/Mesoporous Open Channels through Pore Architecture Manipulation and Their Use in Electrocatalytic Oxygen Reduction. *Angewandte Chemie - International Edition*, **2018**, 57, 6176-6180	16.4	128
57	Realization of Walnut-Shaped Particles with Macro-/Mesoporous Open Channels through Pore Architecture Manipulation and Their Use in Electrocatalytic Oxygen Reduction. *Angewandte Chemie* , **2018**, 130, 6284-6288	3.6	16
56	Metal-Organic Framework-Assisted Synthesis of Compact FeO Nanotubes in CoO Host with Enhanced Lithium Storage Properties. *Nano-Micro Letters*, **2018**, 10, 44	19.5	71
55	Rationally designed hierarchical N-doped carbon@NiCo2O4 double-shelled nanoboxes for enhanced visible light CO2 reduction. *Energy and Environmental Science*, **2018**, 11, 306-310	35.4	281
54	Dynamic traction of lattice-confined platinum atoms into mesoporous carbon matrix for hydrogen evolution reaction. *Science Advances*, **2018**, 4, eaao6657	14.3	344
53	Facile Synthesis of Multi-shelled ZnS-CdS Cages with Enhanced Photoelectrochemical Performance for Solar Energy Conversion. *CheM*, **2018**, 4, 162-173	16.2	170
52	Porous Iron□Cobalt Alloy/Nitrogen-Doped Carbon Cages Synthesized via Pyrolysis of Complex Metal□Organic Framework Hybrids for Oxygen Reduction. *Advanced Functional Materials*, **2018**, 28, 1706738	15.6	180
51	Construction of ZnInS-InO Hierarchical Tubular Heterostructures for Efficient CO Photoreduction. *Journal of the American Chemical Society*, **2018**, 140, 5037-5040	16.4	600
50	A modular strategy for decorating isolated cobalt atoms into multichannel carbon matrix for electrocatalytic oxygen reduction. *Energy and Environmental Science*, **2018**, 11, 1980-1984	35.4	173
49	Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. *Angewandte Chemie - International Edition*, **2018**, 57, 172-176	16.4	375
48	Titelbild: Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution (Angew. Chem. 1/2018). *Angewandte Chemie*, **2018**, 130, 1-1	3.6	53
47	Hierarchical Hollow Nanoprisms Based on Ultrathin Ni-Fe Layered Double Hydroxide Nanosheets with Enhanced Electrocatalytic Activity towards Oxygen Evolution. *Angewandte Chemie*, **2018**, 130, 178-182	3.6	50
46	Synthesis of ZIF-67 nanocubes with complex structures co-mediated by dopamine and polyoxometalate. *Journal of Materials Chemistry A*, **2018**, 6, 19338-19341	13	18
45	Asymmetric Mesoporous Rutile TiO2 Microspheres with Single-Crystal-like Frameworks. *CheM*, **2018**, 4, 2264-2266	16.2	1
44	Formation of Hierarchical CoS@ZnInS Heterostructured Cages as an Efficient Photocatalyst for Hydrogen Evolution. *Journal of the American Chemical Society*, **2018**, 140, 15145-15148	16.4	406
43	Metal-Organic Framework Hybrid-Assisted Formation of Co O /Co-Fe Oxide Double-Shelled Nanoboxes for Enhanced Oxygen Evolution. *Advanced Materials*, **2018**, 30, e1801211	24	287
42	General Synthesis of Multishell Mixed-Metal Oxyphosphide Particles with Enhanced Electrocatalytic Activity in the Oxygen Evolution Reaction. *Angewandte Chemie*, **2017**, 129, 2426-2429	3.6	36

41	General Synthesis of Multishell Mixed-Metal Oxyphosphide Particles with Enhanced Electrocatalytic Activity in the Oxygen Evolution Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 2386-2389	16.4	222
40	Coordination Polymers Derived General Synthesis of Multishelled Mixed Metal-Oxide Particles for Hybrid Supercapacitors. *Advanced Materials*, **2017**, 29, 1605902	24	296
39	Formation of Double-Shelled Zinc□obalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. *Angewandte Chemie*, **2017**, 129, 7247-7251	3.6	55
38	Formation of Double-Shelled Zinc-Cobalt Sulfide Dodecahedral Cages from Bimetallic Zeolitic Imidazolate Frameworks for Hybrid Supercapacitors. *Angewandte Chemie - International Edition*, **2017**, 56, 7141-7145	16.4	326
37	Complex Cobalt Sulfide Nanobubble Cages with Enhanced Electrochemical Properties. *Small Methods*, **2017**, 1, 1700158	12.8	30
36	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS Host for Advanced Li-SeS Batteries. *Angewandte Chemie - International Edition*, **2017**, 56, 16003-16007	16.4	88
35	Mesoporous Carbon@Titanium Nitride Hollow Spheres as an Efficient SeS2 Host for Advanced Li□eS2 Batteries. *Angewandte Chemie*, **2017**, 129, 16219-16223	3.6	18
34	A Compact Nanoconfined Sulfur Cathode for High-Performance Lithium-Sulfur Batteries. *Joule*, **2017**, 1, 576-587	27.8	194
33	Complex Nanostructures from Materials based on Metal-Organic Frameworks for Electrochemical Energy Storage and Conversion. *Advanced Materials*, **2017**, 29, 1703614	24	522
32	Oriented assembly of anisotropic nanoparticles into frame-like superstructures. *Science Advances*, **2017**, 3, e1700732	14.3	114
31	Rational Design of Three-Layered TiO @Carbon@MoS Hierarchical Nanotubes for Enhanced Lithium Storage. *Advanced Materials*, **2017**, 29, 1702724	24	257
30	Formation of Single-Holed Cobalt/N-Doped Carbon Hollow Particles with Enhanced Electrocatalytic Activity toward Oxygen Reduction Reaction in Alkaline Media. *Advanced Science*, **2017**, 4, 1700247	13.6	159
29	Formation of Hierarchical InS-CdInS Heterostructured Nanotubes for Efficient and Stable Visible Light CO Reduction. *Journal of the American Chemical Society*, **2017**, 139, 17305-17308	16.4	418
28	Formation of Onion-Like NiCo S Particles via Sequential Ion-Exchange for Hybrid Supercapacitors. *Advanced Materials*, **2017**, 29, 1605051	24	453
27	A dual-metal□rganic-framework derived electrocatalyst for oxygen reduction. *Energy and Environmental Science*, **2016**, 9, 3092-3096	35.4	283
26	Formation of Ni-Co-MoS Nanoboxes with Enhanced Electrocatalytic Activity for Hydrogen Evolution. *Advanced Materials*, **2016**, 28, 9006-9011	24	425
25	Chemically Assisted Formation of Monolayer Colloidosomes on Functional Particles. *Advanced Materials*, **2016**, 28, 9596-9601	24	88
24	A universal cooperative assembly-directed method for coating of mesoporous TiO(2) nanoshells with enhanced lithium storage properties. *Science Advances*, **2016**, 2, e1501554	14.3	174

23	A sulfur host based on titanium monoxide@carbon hollow spheres for advanced lithium-sulfur batteries. *Nature Communications*, **2016**, 7, 13065	17.4	511
22	Carbon coated porous nickel phosphides nanoplates for highly efficient oxygen evolution reaction. *Energy and Environmental Science*, **2016**, 9, 1246-1250	35.4	706
21	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. *Angewandte Chemie - International Edition*, **2016**, 55, 9514-8	16.4	270
20	Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. *Angewandte Chemie*, **2016**, 128, 9666-9670	3.6	31
19	Frontispiece: Unusual Formation of CoSe@carbon Nanoboxes, which have an Inhomogeneous Shell, for Efficient Lithium Storage. *Angewandte Chemie - International Edition*, **2016**, 55,	16.4	3
18	Formation of Asymmetric Bowl-Like Mesoporous Particles via Emulsion-Induced Interface Anisotropic Assembly. *Journal of the American Chemical Society*, **2016**, 138, 11306-11	16.4	205
17	The performance of mesoporous organosilicas with phenyl groups in Heme protein immobilization. *New Journal of Chemistry*, **2015**, 39, 739-745	3.6	2
16	Designed Formation of Co□/NiCo□□ Double-Shelled Nanocages with Enhanced Pseudocapacitive and Electrocatalytic Properties. *Journal of the American Chemical Society*, **2015**, 137, 5590-5	16.4	880
15	Mesostructured TiO2 Gated Periodic Mesoporous Organosilica-Based Nanotablets for Multistimuli-responsive Drug Release. *Small*, **2015**, 11, 5907-11	11	21
14	Synthesis of Janus Mesoporous Silica Nanostructures with Organic□Inorganic Hybrid Components through a Sprout-Like Growth Method. *ChemNanoMat*, **2015**, 1, 562-566	3.5	16
13	Formation of Yolk-Shelled Ni□Co Mixed Oxide Nanoprisms with Enhanced Electrochemical Performance for Hybrid Supercapacitors and Lithium Ion Batteries. *Advanced Energy Materials*, **2015**, 5, 1500981	21.8	258
12	Fe@C core□shell and Fe@C yolk□shell particles for effective removal of 4-chlorophenol. *Journal of Materials Chemistry A*, **2015**, 3, 3988-3994	13	40
11	Megranate-like nanoreactor with multiple cores and an acidic mesoporous shell for a cascade reaction. *Nanoscale*, **2015**, 7, 3719-25	7.7	13
10	A versatile cooperative template-directed coating method to synthesize hollow and yolk-shell mesoporous zirconium titanium oxide nanospheres as catalytic reactors. *Nano Research*, **2014**, 7, 246-262	10	63
9	Tailored synthesis of hierarchical spinous hollow titania hexagonal prisms via a self-template route. *Nanoscale*, **2014**, 6, 13915-20	7.7	12
8	Improving the properties of □-galactosidase from Aspergillus oryzae via encapsulation in aggregated silica nanoparticles. *New Journal of Chemistry*, **2013**, 37, 3793	3.6	11
7	Luminescent carbon dots in a new magnesium aluminophosphate zeolite. *Chemical Communications*, **2013**, 49, 9006-8	5.8	78
6	A versatile cooperative template-directed coating method to construct uniform microporous carbon shells for multifunctional core-shell nanocomposites. *Nanoscale*, **2013**, 5, 2469-75	7.7	121

5	Fungus-mediated green synthesis of silver nanoparticles using Aspergillus terreus. *International Journal of Molecular Sciences*, **2012**, 13, 466-76	6.3	314
4	Highly ordered periodic mesoporous organosilica nanoparticles with controllable pore structures. *Nanoscale*, **2012**, 4, 6588-96	7.7	77
3	Design and synthesis of novel mesostructured metal-organic frameworks templated by cationic surfactants via cooperative self-organization. *Chemical Communications*, **2011**, 47, 7809-11	5.8	30
2	Terminating effects of organosilane in the formation of silica cross-linked micellar core-shell nanoparticles. *Langmuir*, **2010**, 26, 11421-6	4	15
1	Bioinspired Self-Supporting Phthalocyanine@ZnIn 2 S 4 Foam for Photocatalytic CO 2 Reduction Under Visible Light Irradiation. *Advanced Energy and Sustainability Research*,2100200	1.6	0