Huan Pang

List of Publications by Citations

429 papers	24,968 citations	84 h-index	138 g-index
458 ext. papers	31,919 ext. citations	9.5 avg, IF	8.09 L-index

#	Paper	IF	Citations
429	MOF-derived electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. *Chemical Society Reviews*, **2020**, 49, 1414-1448	58.5	587
428	Transition-Metal (Fe, Co, Ni) Based Metal-Organic Frameworks for Electrochemical Energy Storage. *Advanced Energy Materials*, **2017**, 7, 1602733	21.8	582
427	Transition Metal Sulfides Based on Graphene for Electrochemical Energy Storage. *Advanced Energy Materials*, **2018**, 8, 1703259	21.8	479
426	Flexible supercapacitors based on paper substrates: a new paradigm for low-cost energy storage. *Chemical Society Reviews*, **2015**, 44, 5181-99	58.5	455
425	Synthesis of micro/nanoscaled metal-organic frameworks and their direct electrochemical applications. *Chemical Society Reviews*, **2020**, 49, 301-331	58.5	416
424	Metal□rganic frameworks as a platform for clean energy applications. *EnergyChem*, **2020**, 2, 100027	36.9	377
423	Rechargeable zinc□ir batteries: a promising way to green energy. *Journal of Materials Chemistry A*, **2017**, 5, 7651-7666	13	323
422	Transition metal oxides with one-dimensional/one-dimensional-analogue nanostructures for advanced supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 8155-8186	13	317
421	Facile synthesis of mesoporous Ni0.3Co2.7O4 hierarchical structures for high-performance supercapacitors. *Energy and Environmental Science*, **2013**, 6, 3619	35.4	307
420	Facile synthesis of an accordion-like Ni-MOF superstructure for high-performance flexible supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 19078-19085	13	305
419	Hierarchically Nanostructured Transition Metal Oxides for Lithium-Ion Batteries. *Advanced Science*, **2018**, 5, 1700592	13.6	304
418	Ultrathin Nickel□Cobalt Phosphate 2D Nanosheets for Electrochemical Energy Storage under Aqueous/Solid-State Electrolyte. *Advanced Functional Materials*, **2017**, 27, 1605784	15.6	297
417	Metal-organic frameworks for direct electrochemical applications. *Coordination Chemistry Reviews*, **2018**, 376, 292-318	23.2	294
416	MoS-Based Nanocomposites for Electrochemical Energy Storage. *Advanced Science*, **2017**, 4, 1600289	13.6	278
415	Two-dimensional tin selenide nanostructures for flexible all-solid-state supercapacitors. *ACS Nano*, **2014**, 8, 3761-70	16.7	271
414	A highly alkaline-stable metal oxide@metal-organic framework composite for high-performance electrochemical energy storage. *National Science Review*, **2020**, 7, 305-314	10.8	265
413	One-pot synthesis of heterogeneous Co3O4-nanocube/Co(OH)2-nanosheet hybrids for high-performance flexible asymmetric all-solid-state supercapacitors. *Nano Energy*, **2017**, 35, 138-145	17.1	262

412	Nitrogen-Doped Cobalt Oxide Nanostructures Derived from Cobalt-Alanine Complexes for High-Performance Oxygen Evolution Reactions. *Advanced Functional Materials*, **2018**, 28, 1800886	15.6	239
411	High performance electrochemical capacitor materials focusing on nickel based materials. *Inorganic Chemistry Frontiers*, **2016**, 3, 175-202	6.8	238
410	Vanadium based materials as electrode materials for high performance supercapacitors. *Journal of Power Sources*, **2016**, 329, 148-169	8.9	216
409	Porous hollow Co□□ with rhombic dodecahedral structures for high-performance supercapacitors. *Nanoscale*, **2014**, 6, 14354-9	7.7	215
408	Facile synthesis and superior electrochemical performances of CoNi2S4/graphene nanocomposite suitable for supercapacitor electrodes. *Journal of Materials Chemistry A*, **2014**, 2, 9613-9619	13	215
407	Encapsulating highly catalytically active metal nanoclusters inside porous organic cages. *Nature Catalysis*, **2018**, 1, 214-220	36.5	209
406	Prussian blue and its derivatives as electrode materials for electrochemical energy storage. *Energy Storage Materials*, **2017**, 9, 11-30	19.4	204
405	MOF-Derived Metal Oxide Composites for Advanced Electrochemical Energy Storage. *Small*, **2018**, 14, e1704435	11	193
404	Microwave-assisted synthesis of NiS2 nanostructures for supercapacitors and cocatalytic enhancing photocatalytic H2 production. *Scientific Reports*, **2014**, 4, 3577	4.9	190
403	A Simple Approach to Boost Capacitance: Flexible Supercapacitors Based on Manganese Oxides@MOFs via Chemically Induced In Situ Self-Transformation. *Advanced Materials*, **2016**, 28, 5242-8	24	190
402	Metal-organic framework-based materials as an emerging platform for advanced electrochemical sensing. *Coordination Chemistry Reviews*, **2020**, 410, 213222	23.2	187
401	Metal-organic framework composites and their electrochemical applications. *Journal of Materials Chemistry A*, **2019**, 7, 7301-7327	13	186
400	Ultrathin two-dimensional cobalt-organic framework nanosheets for high-performance electrocatalytic oxygen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 22070-22076	13	182
399	Supercapacitors based on metal coordination materials. *Coordination Chemistry Reviews*, **2018**, 373, 2-21	23.2	180
398	Graphene oxide/nickel oxide modified glassy carbon electrode for supercapacitor and nonenzymatic glucose sensor. *Electrochimica Acta*, **2013**, 88, 708-712	6.7	180
397	High energy-power Zn-ion hybrid supercapacitors enabled by layered B/N co-doped carbon cathode. *Nano Energy*, **2019**, 66, 104132	17.1	178
396	Nanostructured graphene-based materials for flexible energy storage. *Energy Storage Materials*, **2017**, 9, 150-169	19.4	177
395	Metal-organic frameworks for lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 3469-3491	13	175

394	Nanoparticle/MOF composites: preparations and applications. *Materials Horizons*, **2017**, 4, 557-569	14.4	174
393	Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2014**, 2, 15889-15896	13	161
392	Metal-Organic Frameworks/Graphene-Based Materials: Preparations and Applications. *Advanced Functional Materials*, **2018**, 28, 1804950	15.6	160
391	Ni and NiO Nanoparticles Decorated Metal-Organic Framework Nanosheets: Facile Synthesis and High-Performance Nonenzymatic Glucose Detection in Human Serum. *ACS Applied Materials & Interfaces*, **2017**, 9, 22342-22349	9.5	154
390	Lamellar K2Co3(P2O7)2·2H2O nanocrystal whiskers: High-performance flexible all-solid-state asymmetric micro-supercapacitors via inkjet printing. *Nano Energy*, **2015**, 15, 303-312	17.1	153
389	Superlong Single-Crystal Metal-Organic Framework Nanotubes. *Journal of the American Chemical Society*, **2018**, 140, 15393-15401	16.4	153
388	Morphology effect on antibacterial activity of cuprous oxide. *Chemical Communications*, **2009**, 1076-8	5.8	144
387	Design and synthesis of covalent organic frameworks towards energy and environment fields. *Chemical Engineering Journal*, **2019**, 355, 602-623	14.7	141
386	Facile synthesis of nickel oxide nanotubes and their antibacterial, electrochemical and magnetic properties. *Chemical Communications*, **2009**, 7542-4	5.8	138
385	N,S co-doped 3D mesoporous carbon□Co3Si2O5(OH)4 architectures for high-performance flexible pseudo-solid-state supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 12774-12781	13	137
384	Metal-Organic Framework-Derived Carbons for Battery Applications. *Advanced Energy Materials*, **2018**, 8, 1800716	21.8	136
383	Applications of Metal-Organic-Framework-Derived Carbon Materials. *Advanced Materials*, **2019**, 31, e1804740	24	136
382	Preparation of mesoporous NiO with a bimodal pore size distribution and application in electrochemical capacitors. *Electrochimica Acta*, **2010**, 55, 6830-6835	6.7	135
381	Facile Synthesis of Vanadium Metal-Organic Frameworks for High-Performance Supercapacitors. *Small*, **2018**, 14, e1801815	11	128
380	MXene□2D layered electrode materials for energy storage. *Progress in Natural Science: Materials International*, **2018**, 28, 133-147	3.6	127
379	Syntheses and Energy Storage Applications of MxSy (M = Cu, Ag, Au) and Their Composites: Rechargeable Batteries and Supercapacitors. *Advanced Functional Materials*, **2017**, 27, 1703949	15.6	126
378	Graphitic carbon nitride based materials for electrochemical energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 901-924	13	120
377	Ruthenium based materials as electrode materials for supercapacitors. *Chemical Engineering Journal*, **2018**, 333, 505-518	14.7	118

376	Facile synthesis of porous ZnO-NiO composite micropolyhedrons and their application for high power supercapacitor electrode materials. *Dalton Transactions*, **2012**, 41, 13284-91	4.3	118
375	Amorphous nickel pyrophosphate microstructures for high-performance flexible solid-state electrochemical energy storage devices. *Nano Energy*, **2015**, 17, 339-347	17.1	117
374	Noble metal-based materials in high-performance supercapacitors. *Inorganic Chemistry Frontiers*, **2017**, 4, 33-51	6.8	117
373	Low-symmetry iron oxide nanocrystals bound by high-index facets. *Angewandte Chemie - International Edition*, **2010**, 49, 6328-32	16.4	117
372	Facile synthesis of ultrathin Ni-MOF nanobelts for high-efficiency determination of glucose in human serum. *Journal of Materials Chemistry B*, **2017**, 5, 5234-5239	7.3	114
371	One-step synthesis of CoNi2S4 nanoparticles for supercapacitor electrodes. *RSC Advances*, **2014**, 4, 6998	3.7	113
370	Dendrite-like Co3O4 nanostructure and its applications in sensors, supercapacitors and catalysis. *Dalton Transactions*, **2012**, 41, 5862-8	4.3	113
369	Carbon nanotube-based materials for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 17204-17241	13	112
368	Metal (M = Co, Ni) phosphate based materials for high-performance supercapacitors. *Inorganic Chemistry Frontiers*, **2018**, 5, 11-28	6.8	110
367	High performance of electrochemical lithium storage batteries: ZnO-based nanomaterials for lithium-ion and lithium-sulfur batteries. *Nanoscale*, **2016**, 8, 18578-18595	7.7	110
366	Electrochemical detection of dopamine using water-soluble sulfonated graphene. *Electrochimica Acta*, **2013**, 102, 58-65	6.7	109
365	A facile one-step electrochemical synthesis of graphene/NiO nanocomposites as efficient electrocatalyst for glucose and methanol. *Sensors and Actuators B: Chemical*, **2014**, 190, 809-817	8.5	108
364	Recent progress in layered double hydroxide based materials for electrochemical capacitors: design, synthesis and performance. *Nanoscale*, **2017**, 9, 15206-15225	7.7	107
363	Core-shell materials for advanced batteries. *Chemical Engineering Journal*, **2019**, 355, 208-237	14.7	106
362	Redox-active triazatruxene-based conjugated microporous polymers for high-performance supercapacitors. *Chemical Science*, **2017**, 8, 2959-2965	9.4	103
361	FeO -Based Materials for Electrochemical Energy Storage. *Advanced Science*, **2018**, 5, 1700986	13.6	101
360	Facile one-pot generation of metal oxide/hydroxide@metal-organic framework composites: highly efficient bifunctional electrocatalysts for overall water splitting. *Chemical Communications*, **2019**, 55, 10904-10907	5.8	97
359	Improvement of electrochemical performance of LiNi0.8Co0.1Mn0.1O2 cathode material by graphene nanosheets modification. *Electrochimica Acta*, **2014**, 149, 86-93	6.7	95

358	A review of electrochemical energy storage behaviors based on pristine metal–organic frameworks and their composites. *Coordination Chemistry Reviews*, **2020**, 416, 213341	23.2	94
357	Polypyrrole coated hollow metal–organic framework composites for lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2019**, 7, 19465-19470	13	94
356	Ultrathin two-dimensional cobalt-organic frameworks nanosheets for electrochemical energy storage. *Chemical Engineering Journal*, **2019**, 373, 1319-1328	14.7	91
355	Facile fabrication of NH4CoPO4·H2O nano/microstructures and their primarily application as electrochemical supercapacitor. *Nanoscale*, **2012**, 4, 5946-53	7.7	91
354	Selective synthesis of nickel oxide nanowires and length effect on their electrochemical properties. *Nanoscale*, **2010**, 2, 920-2	7.7	91
353	Nanostructured Germanium Anode Materials for Advanced Rechargeable Batteries. *Advanced Materials Interfaces*, **2017**, 4, 1600798	4.6	90
352	Applications of Tin Sulfide-Based Materials in Lithium-Ion Batteries and Sodium-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 2001298	15.6	90
351	A novel strategy for the synthesis of highly stable ternary SiOx composites for Li-ion-battery anodes. *Journal of Materials Chemistry A*, **2019**, 7, 15969-15974	13	89
350	Few-layered CoHPO4·3H2O ultrathin nanosheets for high performance of electrode materials for supercapacitors. *Nanoscale*, **2013**, 5, 5752-7	7.7	89
349	Recent Progress in Some Amorphous Materials for Supercapacitors. *Small*, **2018**, 14, e1800426	11	88
348	Fabrication of Metal Molybdate Micro/Nanomaterials for Electrochemical Energy Storage. *Small*, **2017**, 13, 1700917	11	87
347	Facile synthesis and shape evolution of well-defined phosphotungstic acid potassium nanocrystals as a highly efficient visible-light-driven photocatalyst. *Nanoscale*, **2017**, 9, 216-222	7.7	85
346	Copper-based nanostructures: promising antibacterial agents and photocatalysts. *Chemical Communications*, **2009**, 3571-3	5.8	85
345	Bandgap engineering of ultrathin graphene-like carbon nitride nanosheets with controllable oxygenous functionalization. *Carbon*, **2017**, 113, 63-75	10.4	84
344	Hierarchical ZnO Nanorod-Assembled Hollow Superstructures for Catalytic and Photoluminescence Applications. *Crystal Growth and Design*, **2010**, 10, 40-43	3.5	84
343	Development and application of self-healing materials in smart batteries and supercapacitors. *Chemical Engineering Journal*, **2020**, 380, 122565	14.7	81
342	Comparison of NiS2 and β-NiS hollow spheres for supercapacitors, non-enzymatic glucose sensors and water treatment. *Dalton Transactions*, **2015**, 44, 17278-85	4.3	80
341	Ultrathin nanosheet-assembled [Ni(OH)(PTA)(HO)]·2HO hierarchical flowers for high-performance electrocatalysis of glucose oxidation reactions. *Nanoscale*, **2018**, 10, 13270-13276	7.7	80

340	Porous nanocubic Mn3O4-Co3O4 composites and their application as electrochemical supercapacitors. *Dalton Transactions*, **2012**, 41, 10175-81	4.3	80
339	Tungsten-Based Materials for Lithium-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1707500	15.6	80
338	Uniform manganese hexacyanoferrate hydrate nanocubes featuring superior performance for low-cost supercapacitors and nonenzymatic electrochemical sensors. *Nanoscale*, **2015**, 7, 16012-9	7.7	79
337	Recent development of biomass-derived carbons and composites as electrode materials for supercapacitors. *Materials Chemistry Frontiers*, **2019**, 3, 2543-2570	7.8	79
336	Non-noble metal-transition metal oxide materials for electrochemical energy storage. *Energy Storage Materials*, **2018**, 15, 171-201	19.4	78
335	Facile Synthesis of Ultrathin Nickel-Cobalt Phosphate 2D Nanosheets with Enhanced Electrocatalytic Activity for Glucose Oxidation. *ACS Applied Materials & Interfaces*, **2018**, 10, 2360-2367	9.5	77
334	NiS hollow spheres for high-performance supercapacitors and non-enzymatic glucose sensors. *Chemistry - an Asian Journal*, **2015**, 10, 679-86	4.5	77
333	Fabrication, characteristics and applications of carbon materials with different morphologies and porous structures produced from wood liquefaction: A review. *Chemical Engineering Journal*, **2019**, 364, 226-243	14.7	75
332	Two-Dimensional MOF and COF Nanosheets: Synthesis and Applications in Electrochemistry. *Chemistry - A European Journal*, **2020**, 26, 6402-6422	4.8	75
331	Advanced batteries based on manganese dioxide and its composites. *Energy Storage Materials*, **2018**, 12, 284-309	19.4	75
330	In Situ Anchoring Polymetallic Phosphide Nanoparticles within Porous Prussian Blue Analogue Nanocages for Boosting Oxygen Evolution Catalysis. *Nano Letters*, **2021**, 21, 3016-3025	11.5	75
329	Facile synthesis of polypyrrole nanowires for high-performance supercapacitor electrode materials. *Progress in Natural Science: Materials International*, **2016**, 26, 237-242	3.6	73
328	Smart Yolk/Shell Hybrids as Efficient Electrocatalysts for the Oxygen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5027-5033	8.3	72
327	Cobalt phosphite microarchitectures assembled by ultralong nanoribbons and their application as effective electrochemical capacitor electrode materials. *Nanoscale*, **2013**, 5, 503-7	7.7	72
326	Porous nickel oxide nanospindles with huge specific capacitance and long-life cycle. *RSC Advances*, **2012**, 2, 2257	3.7	72
325	A multifunctional self-healing G-PyB/KCl hydrogel: smart conductive, rapid room-temperature phase-selective gelation, and ultrasensitive detection of alpha-fetoprotein. *Chemical Communications*, **2019**, 55, 7922-7925	5.8	71
324	Co3O4 and its composites for high-performance Li-ion batteries. *Chemical Engineering Journal*, **2018**, 343, 427-446	14.7	71
323	Two-dimensional MnO nanowire network with enhanced electrochemical capacitance. *Scientific Reports*, **2013**, 3, 2193	4.9	71

322	The synthesis and electrochemical applications of core–shell MOFs and their derivatives. *Journal of Materials Chemistry A*, **2019**, 7, 15519-15540	13	70
321	Facile synthesis of amorphous aluminum vanadate hierarchical microspheres for supercapacitors. *Inorganic Chemistry Frontiers*, **2016**, 3, 791-797	6.8	70
320	Copper metal-organic framework nanocrystal for plane effect nonenzymatic electro-catalytic activity of glucose. *Nanoscale*, **2014**, 6, 10989-94	7.7	70
319	Synthesis of copper(II) coordination polymers and conversion into CuO nanostructures with good photocatalytic, antibacterial and lithium ion battery performances. *Journal of Materials Chemistry*, **2012**, 22, 12609		70
318	MXene-Copper/Cobalt Hybrids via Lewis Acidic Molten Salts Etching for High Performance Symmetric Supercapacitors. *Angewandte Chemie - International Edition*, **2021**, 60, 25318-25322	16.4	70
317	Exposing {001} Crystal Plane on Hexagonal Ni-MOF with Surface-Grown Cross-Linked Mesh-Structures for Electrochemical Energy Storage. *Small*, **2019**, 15, e1902463	11	69
316	Fabrication of novel comb-like Cu(2)O nanorod-based structures through an interface etching method and their application as ethanol sensors. *Chemical Communications*, **2010**, 46, 7022-4	5.8	69
315	Metal/Graphitic Carbon Nitride Composites: Synthesis, Structures, and Applications. *Chemistry - an Asian Journal*, **2016**, 11, 3305-3328	4.5	69
314	Rational Design and General Synthesis of Multimetallic Metal-Organic Framework Nano-Octahedra for Enhanced Li-S Battery. *Advanced Materials*, **2021**, 33, e2105163	24	69
313	Chestnut shell-like Li4Ti5O12 hollow spheres for high-performance aqueous asymmetric supercapacitors. *Chemical Engineering Journal*, **2018**, 332, 253-259	14.7	68
312	Interpenetrated structures appeared in supramolecular cages, MOFs, COFs. *Coordination Chemistry Reviews*, **2019**, 389, 119-140	23.2	66
311	Ultrathin Cu-MOF@MnO2 nanosheets for aqueous electrolyte-based high-voltage electrochemical capacitors. *Journal of Materials Chemistry A*, **2018**, 6, 17329-17336	13	66
310	1D Co2.18Ni0.82Si2O5(OH)4 architectures assembled by ultrathin nanoflakes for high-performance flexible solid-state asymmetric supercapacitors. *Journal of Power Sources*, **2015**, 285, 385-392	8.9	65
309	Current Advances in Semiconductor Nanomaterial-Based Photoelectrochemical Biosensing. *Chemistry - A European Journal*, **2018**, 24, 14010-14027	4.8	65
308	Dual anode materials for lithium- and sodium-ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 4236-4259	13	65
307	Amorphous Intermediate Derivative from ZIF-67 and Its Outstanding Electrocatalytic Activity. *Small* , **2020**, 16, e1904252	11	65
306	Transition metal (Fe, Co, Ni) fluoride-based materials for electrochemical energy storage. *Nanoscale Horizons*, **2019**, 4, 99-116	10.8	64
305	Ultrasensitive electrochemical detection of H2O2 in living cells based on ultrathin MnO2 nanosheets. *Sensors and Actuators B: Chemical*, **2017**, 252, 72-78	8.5	63

304	Cobalt based metal-organic frameworks and their derivatives for electrochemical energy conversion and storage. *Chemical Engineering Journal*, **2019**, 370, 37-59	14.7	63
303	Self-sacrificed synthesis of conductive vanadium-based Metal□Organic framework nanowire-bundle arrays as binder-free cathodes for high-rate and high-energy-density wearable Zn-Ion batteries. *Nano Energy*, **2019**, 64, 103935	17.1	63
302	The application of CeO2-based materials in electrocatalysis. *Journal of Materials Chemistry A*, **2019**, 7, 17675-17702	13	62
301	Hollow Structural Transition Metal Oxide for Advanced□Supercapacitors. *Advanced Materials Interfaces*, **2018**, 5, 1701509	4.6	62
300	□Conjugated Molecule Boosts Metal-Organic Frameworks as Efficient Oxygen Evolution Reaction Catalysts. *Small*, **2018**, 14, e1803576	11	61
299	Copolymer derived micro/meso-porous carbon nanofibers with vacancy-type defects for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2020**, 8, 2463-2471	13	60
298	Applications of MSe (M = Fe, Co, Ni) and Their Composites in Electrochemical Energy Storage and Conversion. *Nano-Micro Letters*, **2019**, 11, 40	19.5	59
297	Isolated Fe Single Atomic Sites Anchored on Highly Steady Hollow Graphene Nanospheres as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. *Advanced Science*, **2019**, 6, 1801103	13.6	59
296	Potassium cobalt hexacyanoferrate nanocubic assemblies for high-performance aqueous aluminum ion batteries. *Chemical Engineering Journal*, **2020**, 382, 122853	14.7	59
295	Hierarchically nanostructured transition metal oxides for supercapacitors. *Science China Materials*, **2018**, 61, 185-209	7.1	58
294	Cobalt-Doped Nickel Phosphite for High Performance of Electrochemical Energy Storage. *Small*, **2018**, 14, e1703811	11	57
293	A sensitive and selective nitrite sensor based on a glassy carbon electrode modified with gold nanoparticles and sulfonated graphene. *Mikrochimica Acta*, **2013**, 180, 821-827	5.8	57
292	Electrostatic self-assembly for preparation of sulfonated graphene/gold nanoparticle hybrids and their application for hydrogen peroxide sensing. *Electrochimica Acta*, **2012**, 85, 628-635	6.7	57
291	Glycine-assisted double-solvothermal approach for various cuprous oxide structures with good catalytic activities. *CrystEngComm*, **2010**, 12, 406-412	3.3	57
290	Ultrathin Nanobelts as an Excellent Bifunctional Oxygen Catalyst: Insight into the Subtle Changes in Structure and Synergistic Effects of Bimetallic Metal□Organic Framework. *Small Methods*, **2018**, 2, 1800240	12.8	57
289	Cobalt vanadium oxide thin nanoplates: primary electrochemical capacitor application. *Scientific Reports*, **2014**, 4, 5687	4.9	56
288	Facile synthesis of porous nickel manganite materials and their morphology effect on electrochemical properties. *RSC Advances*, **2012**, 2, 5930	3.7	56
287	Glucose-assisted synthesis of copper micropuzzles and their application as nonenzymatic glucose sensors. *Chemical Communications*, **2010**, 46, 2010-2	5.8	56

286	Polyoxometalate-based materials for advanced electrochemical energy conversion and storage. *Chemical Engineering Journal*, **2018**, 351, 441-461	14.7	55
285	Development and application of carbon fiber in batteries. *Chemical Engineering Journal*, **2020**, 384, 123294	14.7	55
284	A new strategy for the controllable growth of MOF@PBA architectures. *Journal of Materials Chemistry A*, **2019**, 7, 17266-17271	13	54
283	Sodium-Doped Mesoporous Ni2P2O7 Hexagonal Tablets for High-Performance Flexible All-Solid-State Hybrid Supercapacitors. *Chemistry - an Asian Journal*, **2015**, 10, 1731-7	4.5	54
282	Si-based materials derived from biomass: synthesis and applications in electrochemical energy storage. *Journal of Materials Chemistry A*, **2019**, 7, 22123-22147	13	53
281	Cu superstructures fabricated using tree leaves and Cu@MnO2 superstructures for high performance supercapacitors. *Journal of Materials Chemistry A*, **2013**, 1, 5053	13	53
280	One-step synthesis and graphene-modification to achieve nickel phosphide nanoparticles with electrochemical properties suitable for supercapacitors. *Materials Research Bulletin*, **2015**, 61, 333-339	5.1	52
279	Reed Leaves as a Sustainable Silica Source for 3D Mesoporous Nickel (Cobalt) Silicate Architectures Assembled into Ultrathin Nanoflakes for High-Performance Supercapacitors. *Advanced Materials Interfaces*, **2015**, 2, 1400377	4.6	51
278	Nickel Phosphite Superstructures Assembled by Nanotubes: Original Application for Effective Electrode Materials of Supercapacitors. *ChemPlusChem*, **2013**, 78, 546-553	2.8	51
277	Fabrication Methods of Porous Carbon Materials and Separator Membranes for Lithium–Sulfur Batteries: Development and Future Perspectives. *Small Methods*, **2017**, 1, 1700089	12.8	51
276	Porous nickel oxide microflowers synthesized by calcination of coordination microflowers and their applications as glutathione electrochemical sensor and supercapacitors. *Electrochimica Acta*, **2012**, 85, 256-262	6.7	51
275	Anchoring ZIF-67 particles on amidoximerized polyacrylonitrile fibers for radionuclide sequestration in wastewater and seawater. *Journal of Hazardous Materials*, **2020**, 395, 122692	12.8	51
274	Derivatives of coordination compounds for rechargeable batteries. *Journal of Materials Chemistry A* , **2018**, 6, 13999-14024	13	51
273	A Honeycomb-Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. *Angewandte Chemie - International Edition*, **2020**, 59, 19627-19632	16.4	50
272	Core–shell-type ZIF-8@ZIF-67@POM hybrids as efficient electrocatalysts for the oxygen evolution reaction. *Inorganic Chemistry Frontiers*, **2019**, 6, 2514-2520	6.8	50
271	Electrodeposition of cobalt oxide nanoparticles on reduced graphene oxide: a two-dimensional hybrid for enzyme-free glucose sensing. *Journal of Solid State Electrochemistry*, **2014**, 18, 1049-1056	2.6	50
270	A Review of MOFs and Their Composites-Based Photocatalysts: Synthesis and Applications. *Advanced Functional Materials*, **2021**, 31, 2104231	15.6	50
269	Clean utilization of palm kernel shell: sustainable and naturally heteroatom-doped porous activated carbon for lithium–sulfur batteries. *Rare Metals*, **2020**, 39, 1099-1106	5.5	48

268	Synthetic methods and electrochemical applications for transition metal phosphide nanomaterials. *RSC Advances*, **2016**, 6, 87188-87212	3.7	48
267	Synthesis and Progress of New Oxygen-Vacant Electrode Materials for High-Energy Rechargeable Battery Applications. *Small*, **2018**, 14, e1802193	11	48
266	Room temperature synthesis of cobalt-manganese-nickel oxalates micropolyhedrons for high-performance flexible electrochemical energy storage device. *Scientific Reports*, **2015**, 5, 8536	4.9	46
265	Manganese monoxide-based materials for advanced batteries. *Coordination Chemistry Reviews*, **2018**, 368, 13-34	23.2	46
264	Activated graphene with tailored pore structure parameters for long cycle-life lithium–sulfur batteries. *Nano Research*, **2017**, 10, 4305-4317	10	45
263	Different positive electrode materials in organic and aqueous systems for aluminium ion batteries. *Journal of Materials Chemistry A*, **2019**, 7, 14391-14418	13	45
262	Enhanced Electrochemical Performance of Sb2O3 as an Anode for Lithium-Ion Batteries by a Stable Cross-Linked Binder. *Applied Sciences (Switzerland)*, **2019**, 9, 2677	2.6	45
261	Cobalt pyrophosphate nano/microstructures as promising electrode materials of supercapacitor. *Journal of Solid State Electrochemistry*, **2013**, 17, 1383-1391	2.6	45
260	Synthesis of confining cobalt nanoparticles within SiO /nitrogen-doped carbon framework derived from sustainable bamboo leaves as oxygen electrocatalysts for rechargeable Zn-air batteries. *Chemical Engineering Journal*, **2020**, 401, 126005	14.7	44
259	Fabrication of Cu O-based Materials for Lithium-Ion Batteries. *ChemSusChem*, **2018**, 11, 1581-1599	8.3	44
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