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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

383 papers	19,877 citations	79 h-index	118 g-index
407 ext. papers	23,913 ext. citations	7.6 avg, IF	7.33 L-index

#	Paper	IF	Citations
383	Electrochemical behaviors of graphene ZnO and graphene SnO_2 composite films for supercapacitors. <i>Electrochimica Acta</i> , 2010 , 55, 4170-4173	6.7	362
382	Novel graphene-like electrodes for capacitive deionization. <i>Environmental Science & Technology</i> , 2010 , 44, 8692-7	10.3	356
381	UV-assisted photocatalytic synthesis of ZnO-reduced graphene oxide composites with enhanced photocatalytic activity in reduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2012 , 183, 238-243	14.7	343
380	Electrosorption behavior of graphene in NaCl solutions. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6773		304
379	Capacitive behavior of graphene ZnO composite film for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 634, 68-71	4.1	284
378	Microwave-assisted synthesis of CdS-reduced graphene oxide composites for photocatalytic reduction of Cr(VI). <i>Chemical Communications</i> , 2011 , 47, 11984-6	5.8	283
377	Review on carbon-based composite materials for capacitive deionization. <i>RSC Advances</i> , 2015 , 5, 15205-15225	5.7	260
376	Electrosorptive desalination by carbon nanotubes and nanofibres electrodes and ion-exchange membranes. <i>Water Research</i> , 2008 , 42, 4923-8	12.5	244
375	Electrospun carbon nanofibers as anode materials for sodium ion batteries with excellent cycle performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4117	13	238
374	Three-Dimensional Networked Metal-Organic Frameworks with Conductive Polypyrrole Tubes for Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38737-38744	9.5	228
373	Hierarchical hybrids with microporous carbon spheres decorated three-dimensional graphene frameworks for capacitive applications in supercapacitor and deionization. <i>Electrochimica Acta</i> , 2016 , 193, 88-95	6.7	223
372	Mesoporous nanostructured Co_3O_4 derived from MOF template: a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5585-5591	13	210
371	Covalent-organic-frameworks derived N-doped porous carbon materials as anode for superior long-life cycling lithium and sodium ion batteries. <i>Carbon</i> , 2017 , 116, 686-694	10.4	195
370	Reduced graphene oxide and activated carbon composites for capacitive deionization. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15556		191
369	A comparative study on electrosorptive behavior of carbon nanotubes and graphene for capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 653, 40-44	4.1	190
368	Microwave-assisted synthesis of ZnO -graphene composite for photocatalytic reduction of Cr(VI). <i>Catalysis Science and Technology</i> , 2011 , 1, 1189	5.5	183
367	An advanced CoSe embedded within porous carbon polyhedra hybrid for high performance lithium-ion and sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 325, 14-24	14.7	174

366	Enhanced photocatalytic degradation of methylene blue by ZnO-reduced graphene oxide composite synthesized via microwave-assisted reaction. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 10086-10091	5.7	172
365	Microwave-assisted synthesis of graphene/ZnO nanocomposite for electrochemical supercapacitors. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5488-5492	5.7	166
364	Enhanced visible light photocatalytic degradation of methylene blue by F-doped TiO ₂ . <i>Applied Surface Science</i> , 2014 , 319, 107-112	6.7	159
363	Highly Stretchable and Self-Healable MXene/Polyvinyl Alcohol Hydrogel Electrode for Wearable Capacitive Electronic Skin. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900285	6.4	156
362	Nanoarchitected metal-organic framework/polypyrrole hybrids for brackish water desalination using capacitive deionization. <i>Materials Horizons</i> , 2019 , 6, 1433-1437	14.4	154
361	MoS ₂ -reduced graphene oxide composites via microwave assisted synthesis for sodium ion battery anode with improved capacity and cycling performance. <i>Electrochimica Acta</i> , 2015 , 153, 55-61	6.7	154
360	Facile synthesis of novel graphene sponge for high performance capacitive deionization. <i>Scientific Reports</i> , 2015 , 5, 8458	4.9	154
359	Using graphene nano-flakes as electrodes to remove ferric ions by capacitive deionization. <i>Separation and Purification Technology</i> , 2010 , 75, 8-14	8.3	154
358	Metal-organic framework-derived porous carbon polyhedra for highly efficient capacitive deionization. <i>Chemical Communications</i> , 2015 , 51, 12020-3	5.8	150
357	Novel nitrogen doped graphene sponge with ultrahigh capacitive deionization performance. <i>Scientific Reports</i> , 2015 , 5, 11225	4.9	149
356	An ultra-high energy density flexible asymmetric supercapacitor based on hierarchical fabric decorated with 2D bimetallic oxide nanosheets and MOF-derived porous carbon polyhedra. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 946-957	13	148
355	Phosphorus-doped 3D carbon nanofiber aerogels derived from bacterial-cellulose for highly-efficient capacitive deionization. <i>Carbon</i> , 2018 , 130, 377-383	10.4	145
354	Efficient charge separation between UiO-66 and ZnIn ₂ S ₄ flowerlike 3D microspheres for photoelectronchemical properties. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 234-241	21.8	143
353	Microwave-assisted synthesis of TiO ₂ -reduced graphene oxide composites for the photocatalytic reduction of Cr(VI). <i>RSC Advances</i> , 2011 , 1, 1245	3.7	140
352	Electrophoretic deposition of reduced graphene-carbon nanotubes composite films as counter electrodes of dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14869		138
351	Carbon-incorporated Janus-type Ni ₂ P/Ni hollow spheres for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19054-19061	13	137
350	ZnS nanoparticles decorated on nitrogen-doped porous carbon polyhedra: a promising anode material for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20428-20438 ¹³		135
349	Electrochemical thin film deposition of polypyrrole on different substrates. <i>Surface and Coatings Technology</i> , 2005 , 198, 474-477	4.4	134

348	Metal-organic frameworks derived yolk-shell ZnO/NiO microspheres as high-performance anode materials for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 335, 579-589	14.7	131
347	Sulphur-doped reduced graphene oxide sponges as high-performance free-standing anodes for K-ion storage. <i>Nano Energy</i> , 2018 , 53, 415-424	17.1	129
346	Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. <i>Chemical Engineering Journal</i> , 2020 , 390, 124493	14.7	127
345	Graphene-incorporated nanocrystalline TiO ₂ films for CdS quantum dot-sensitized solar cells. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 650, 248-251	4.1	125
344	Enhanced photocatalytic degradation of methylene blue by ZnO/reduced graphene oxide/carbon nanotube composites synthesized via microwave-assisted reaction. <i>Catalysis Science and Technology</i> , 2012 , 2, 2297	5.5	124
343	Fast synthesis of carbon microspheres via a microwave-assisted reaction for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1263-1267	13	120
342	CdS/CdSe-cosensitized TiO ₂ photoanode for quantum-dot-sensitized solar cells by a microwave-assisted chemical bath deposition method. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3146-51	9.5	120
341	Carbon nanotube/ZnO nanocomposite electrodes for supercapacitors. <i>Solid State Ionics</i> , 2009 , 180, 1525-1528	3.528	120
340	Electrosorption behavior of cations with carbon nanotubes and carbon nanofibres composite film electrodes. <i>Thin Solid Films</i> , 2009 , 517, 1616-1619	2.2	119
339	Extraordinary capacitive deionization performance of highly-ordered mesoporous carbon nano-polyhedra for brackish water desalination. <i>Environmental Science: Nano</i> , 2019 , 6, 981-989	7.1	119
338	Fe ₂ O ₃ -reduced graphene oxide composites synthesized via microwave-assisted method for sodium ion batteries. <i>Electrochimica Acta</i> , 2015 , 166, 12-16	6.7	118
337	Porous carbon spheres via microwave-assisted synthesis for capacitive deionization. <i>Electrochimica Acta</i> , 2015 , 151, 489-496	6.7	117
336	Sn-doped TiO ₂ nanotubes as superior anode materials for sodium ion batteries. <i>Chemical Communications</i> , 2015 , 51, 8261-4	5.8	116
335	Unprecedented capacitive deionization performance of interconnected iron/nitrogen-doped carbon tubes in oxygenated saline water. <i>Materials Horizons</i> , 2020 , 7, 1404-1412	14.4	114
334	Significantly Improved Sodium-Ion Storage Performance of CuS Nanosheets Anchored into Reduced Graphene Oxide with Ether-Based Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2309-2316	9.5	113
333	Rational design of MoS ₂ -reduced graphene oxide sponges as free-standing anodes for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 332, 260-266	14.7	111
332	Design of pomegranate-like clusters with NiS ₂ nanoparticles anchored on nitrogen-doped porous carbon for improved sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6595-6605	13	110
331	Nitrogen-doped porous carbon spheres for highly efficient capacitive deionization. <i>Electrochimica Acta</i> , 2015 , 158, 403-409	6.7	110

330	Enhanced capacitive deionization performance of graphene by nitrogen doping. <i>Journal of Colloid and Interface Science</i> , 2015 , 445, 143-150	9.3	110
329	Electrosorption of anions with carbon nanotube and nanofibre composite film electrodes. <i>Desalination</i> , 2009 , 244, 139-143	10.3	109
328	MoS ₂ /reduced graphene oxide composites synthesized via a microwave-assisted method for visible-light photocatalytic degradation of methylene blue. <i>RSC Advances</i> , 2014 , 4, 9647	3.7	107
327	Kinetics and thermodynamics study for electrosorption of NaCl onto carbon nanotubes and carbon nanofibers electrodes. <i>Chemical Physics Letters</i> , 2010 , 485, 161-166	2.5	107
326	Carbon nanotube/zinc oxide electrode and gel polymer electrolyte for electrochemical supercapacitors. <i>Journal of Alloys and Compounds</i> , 2009 , 480, L17-L19	5.7	104
325	Improved sodium-ion storage performance of Ti ₃ C ₂ T _x MXenes by sulfur doping. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1234-1243	13	104
324	Nanophotocatalysts via microwave-assisted solution-phase synthesis for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8299	13	99
323	Metal-organic framework derived porous CuO/Cu ₂ O composite hollow octahedrons as high performance anode materials for sodium ion batteries. <i>Chemical Communications</i> , 2015 , 51, 16413-6	5.8	98
322	Efficient and Air-Stable Planar Perovskite Solar Cells Formed on Graphene-Oxide-Modified PEDOT:PSS Hole Transport Layer. <i>Nano-Micro Letters</i> , 2017 , 9, 39	19.5	97
321	ZnS nanoparticles embedded in reduced graphene oxide as high performance anode material of sodium-ion batteries. <i>Electrochimica Acta</i> , 2016 , 191, 435-443	6.7	97
320	Layered nickel sulfide-reduced graphene oxide composites synthesized via microwave-assisted method as high performance anode materials of sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 302, 202-209	8.9	97
319	Rational design of metal organic framework-derived FeS hollow nanocages@reduced graphene oxide for K-ion storage. <i>Nanoscale</i> , 2018 , 10, 17092-17098	7.7	97
318	MXene-decorated SnS ₂ /Sn ₃ S ₄ hybrid as anode material for high-rate lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 380, 122590	14.7	97
317	A flexible, high-voltage and safe zwitterionic natural polymer hydrogel electrolyte for high-energy-density zinc-ion hybrid supercapacitor. <i>Chemical Engineering Journal</i> , 2020 , 392, 123733	14.7	96
316	Metal-organic framework-engaged formation of a hierarchical hybrid with carbon nanotube inserted porous carbon polyhedra for highly efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5467-5473	13	94
315	Enhanced desalination efficiency in modified membrane capacitive deionization by introducing ion-exchange polymers in carbon nanotubes electrodes. <i>Electrochimica Acta</i> , 2014 , 130, 619-624	6.7	94
314	Constructing Efficient and Stable Perovskite Solar Cells via Interconnecting Perovskite Grains. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35200-35208	9.5	89
313	A N, S dual doping strategy via electrospinning to prepare hierarchically porous carbon polyhedra embedded carbon nanofibers for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9040-9050	13	88

312	High performance capacitive deionization electrodes based on ultrathin nitrogen-doped carbon/graphene nano-sandwiches. <i>Chemical Communications</i> , 2017 , 53, 10784-10787	5.8	88
311	Electrophoretic deposition of carbon nanotubes film electrodes for capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 666, 85-88	4.1	85
310	In situ growth of Sb ₂ S ₃ on multiwalled carbon nanotubes as high-performance anode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 228, 436-446	6.7	83
309	A Robust Solid Electrolyte Interphase Layer Augments the Ion Storage Capacity of Bimetallic-Sulfide-Containing Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14740-14747	16.4	83
308	Properties of fluorinated amorphous diamond like carbon films by PECVD. <i>Applied Surface Science</i> , 2003 , 219, 228-237	6.7	83
307	From metal-organic frameworks to porous carbons: A promising strategy to prepare high-performance electrode materials for capacitive deionization. <i>Carbon</i> , 2016 , 108, 433-439	10.4	83
306	Visible light photocatalytic degradation of dyes by bismuth oxide-reduced graphene oxide composites prepared via microwave-assisted method. <i>Journal of Colloid and Interface Science</i> , 2013 , 408, 145-50	9.3	81
305	Porous nitrogen-doped carbon microspheres as anode materials for lithium ion batteries. <i>Dalton Transactions</i> , 2014 , 43, 14931-5	4.3	79
304	One-step synthesis of CdS sensitized TiO ₂ photoanodes for quantum dot-sensitized solar cells by microwave assisted chemical bath deposition method. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1472-8	9.5	79
303	Ultra-thin carbon nanofiber networks derived from bacterial cellulose for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8693-8700	13	78
302	Nitrogen-doped carbon microspheres derived from oatmeal as high capacity and superior long life anode material for sodium ion battery. <i>Electrochimica Acta</i> , 2016 , 191, 385-391	6.7	78
301	Coordination-Resolved C-C Bond Length and the C 1s Binding Energy of Carbon Allotropes and the Effective Atomic Coordination of the Few-Layer Graphene. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16464-16467	3.8	77
300	3D TiO ₂ @nitrogen-doped carbon/Fe ₇ S ₈ composite derived from polypyrrole-encapsulated alkalized MXene as anode material for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 385, 123394	14.7	76
299	Electrosorption of ions from aqueous solutions with carbon nanotubes and nanofibers composite film electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 053127	3.4	75
298	Electrophoretic deposition of carbon nanotubes/polyacrylic acid composite film electrode for capacitive deionization. <i>Electrochimica Acta</i> , 2012 , 66, 106-109	6.7	74
297	Rational design and fabrication of graphene/carbon nanotubes hybrid sponge for high-performance capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13418-13425	13	74
296	Elucidating Si-Bi Dimmer Vibration from the Size-Dependent Raman Shift of Nanosolid Si. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3404-3406	3.4	74
295	In-situ encapsulation of Ni ₃ S ₂ nanoparticles into N-doped interconnected carbon networks for efficient lithium storage. <i>Chemical Engineering Journal</i> , 2019 , 378, 122108	14.7	73

294	An extended 'quantum confinement' theory: surface-coordination imperfection modifies the entire band structure of a nanosolid. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 3470-3479	3	73
293	Metal-organic-frameworks-derived NaTi ₂ (PO ₄) ₃ /carbon composites for efficient hybrid capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12126-12133	13	72
292	Novel Bi ₂ MoO ₆ /TiO ₂ heterostructure microspheres for degradation of benzene series compound under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2016 , 463, 145-53	9.3	72
291	Mini-Review on the Redox Additives in Aqueous Electrolyte for High Performance Supercapacitors. <i>ACS Omega</i> , 2020 , 5, 3801-3808	3.9	71
290	Shuttle-like carbon-coated FeP derived from metal-organic frameworks for lithium-ion batteries with superior rate capability and long-life cycling performance. <i>Carbon</i> , 2019 , 143, 116-124	10.4	71
289	One-step synthesis of CdS/TiO ₂ /chemically reduced graphene oxide composites via microwave-assisted reaction for visible-light photocatalytic degradation of methyl orange. <i>Catalysis Science and Technology</i> , 2012 , 2, 754	5.5	69
288	Sulfur-doped carbon spheres with hierarchical micro/mesopores as anode materials for sodium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 241, 63-72	6.7	66
287	Y ₃ Al ₅ O ₁₂ :Ce phosphors as a scattering layer for high-efficiency dye sensitized solar cells. <i>Chemical Communications</i> , 2012 , 48, 958-60	5.8	66
286	Ti ₃ C ₂ MXenes-derived NaTi ₂ (PO ₄) ₃ /MXene nanohybrid for fast and efficient hybrid capacitive deionization performance. <i>Chemical Engineering Journal</i> , 2021 , 407, 127148	14.7	65
285	Zn-doped nanocrystalline TiO ₂ films for CdS quantum dot sensitized solar cells. <i>Nanoscale</i> , 2010 , 2, 1229-32	7.32	63
284	Reduced graphene oxide/carbon nanotubes sponge: A new high capacity and long life anode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 316, 132-138	8.9	63
283	Significantly improved stability of hybrid capacitive deionization using nickel hexacyanoferrate/reduced graphene oxide cathode at low voltage operation. <i>Desalination</i> , 2019 , 468, 114078	10.3	62
282	Self-assembled 3D flower-like Fe ₃ O ₄ /C architecture with superior lithium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24940-24948	13	62
281	Synergistic conversion and removal of total Cr from aqueous solution by photocatalysis and capacitive deionization. <i>Chemical Engineering Journal</i> , 2018 , 337, 398-404	14.7	61
280	Amazing stable open-circuit voltage in perovskite solar cells using AgAl alloy electrode. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 146, 35-43	6.4	61
279	Metal-organic frameworks derived cake-like anatase/rutile mixed phase TiO ₂ for highly efficient photocatalysis. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 640-646	5.7	60
278	Nitrogen-doped carbon nanorods with excellent capacitive deionization ability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17304-17311	13	59
277	K-Ion Storage Enhancement in Sb ₂ O ₃ /Reduced Graphene Oxide Using Ether-Based Electrolyte. <i>Advanced Energy Materials</i> , 2020 , 10, 1903455	21.8	59

276	Super-stretchable, elastic and recoverable ionic conductive hydrogel for wireless wearable, stretchable sensor. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10291-10300	13	59
275	Sb ₂ O ₅ /Co-containing carbon polyhedra as anode material for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 370, 800-809	14.7	57
274	In situ construction of carbon nanotubes/nitrogen-doped carbon polyhedra hybrids for supercapacitors. <i>Energy Storage Materials</i> , 2016 , 5, 132-138	19.4	57
273	Design and fabrication of mesoporous graphene via carbothermal reaction for highly efficient capacitive deionization. <i>Electrochimica Acta</i> , 2016 , 188, 406-413	6.7	57
272	In-situ growth of hollow NiCo layered double hydroxide on carbon substrate for flexible supercapacitor. <i>Electrochimica Acta</i> , 2019 , 321, 134710	6.7	57
271	One-step synthesis of SnO ₂ -reduced graphene oxide-carbon nanotube composites via microwave assistance for lithium ion batteries. <i>RSC Advances</i> , 2012 , 2, 11719	3.7	57
270	Investigation of photocatalytic activities over ZnO-TiO ₂ -reduced graphene oxide composites synthesized via microwave-assisted reaction. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 441-4	9.3	57
269	High-performance perovskite solar cells by incorporating a ZnGa ₂ O ₄ :Eu ³⁺ nanophosphor in the mesoporous TiO ₂ layer. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 149, 121-127	6.4	56
268	Electrophoretic deposition of carbon nanotubes films as counter electrodes of dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2011 , 56, 10288-10291	6.7	56
267	Improved sodium-ion storage performance of TiO ₂ nanotubes by Ni ²⁺ doping. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11077-11085	13	55
266	Metal-organic frameworks converted flower-like hybrid with Co ₃ O ₄ nanoparticles decorated on nitrogen-doped carbon sheets for boosted lithium storage performance. <i>Chemical Engineering Journal</i> , 2018 , 354, 172-181	14.7	55
265	Coulomb Repulsion at the Nanometer-Sized Contact: A Force Driving Superhydrophobicity, Superfluidity, Superlubricity, and Supersolidity. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20009-20019	3.8	55
264	Controlled synthesis of nanosized palladium icosahedra and their catalytic activity towards formic-acid oxidation. <i>ChemSusChem</i> , 2013 , 6, 1923-30	8.3	54
263	Sn doped TiO ₂ nanotube with oxygen vacancy for highly efficient visible light photocatalysis. <i>Journal of Alloys and Compounds</i> , 2016 , 679, 454-462	5.7	54
262	Au Nanoparticles as Interfacial Layer for CdS Quantum Dot-sensitized Solar Cells. <i>Nanoscale Research Letters</i> , 2010 , 5, 1749-1754	5	53
261	Nitrogen-doped electrospun reduced graphene oxide-carbon nanofiber composite for capacitive deionization. <i>RSC Advances</i> , 2015 , 5, 34117-34124	3.7	52
260	Ultrahigh Desalinization Performance of Asymmetric Flow-Electrode Capacitive Deionization Device with an Improved Operation Voltage of 1.8 V. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 189-195	8.3	52
259	Visible light photocatalytic degradation of methylene blue by SnO ₂ quantum dots prepared via microwave-assisted method. <i>Catalysis Science and Technology</i> , 2013 , 3, 1805	5.5	52

258	All spray pyrolysis deposited CdS sensitized ZnO films for quantum dot-sensitized solar cells. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 362-365	5.7	52
257	Size-induced acoustic hardening and optic softening of phonons in InP, CeO ₂ , SnO ₂ , CdS, Ag, and Si nanostructures. <i>Physical Review B</i> , 2005 , 72,	3.3	52
256	Multiple Stimuli Responsive and Identifiable Zwitterionic Ionic Conductive Hydrogel for Bionic Electronic Skin. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000239	6.4	51
255	Facile dual doping strategy via carbonization of covalent organic frameworks to prepare hierarchically porous carbon spheres for membrane capacitive deionization. <i>Chemical Communications</i> , 2018 , 54, 14009-14012	5.8	51
254	Porous CuO/reduced graphene oxide composites synthesized from metal-organic frameworks as anodes for high-performance sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2017 , 497, 350-358	9.3	50
253	Construction of highly dispersed mesoporous bimetallic-sulfide nanoparticles locked in N-doped graphitic carbon nanosheets for high energy density hybrid flexible pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17435-17445	13	50
252	Micro-/mesoporous carbon nanofibers embedded with ordered carbon for flexible supercapacitors. <i>Electrochimica Acta</i> , 2018 , 271, 591-598	6.7	50
251	Reduced graphene oxide/carbon nanotubes composite films by electrophoretic deposition method for supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 661, 270-273	4.1	50
250	Carbon nanotube/chitosan composite electrodes for electrochemical removal of Cu(II) ions. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5667-5671	5.7	50
249	Controlled synthesis of bismuth oxychloride-carbon nanofiber hybrid materials as highly efficient electrodes for rocking-chair capacitive deionization. <i>Chemical Engineering Journal</i> , 2021 , 403, 126326	14.7	50
248	Hierarchically Porous Carbon Derived from PolyHIPE for Supercapacitor and Deionization Applications. <i>Langmuir</i> , 2017 , 33, 13364-13375	4	49
247	A direction-aware and ultrafast self-healing dual network hydrogel for a flexible electronic skin strain sensor. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 26109-26118	13	48
246	Solar-Powered Sustainable Water Production: State-of-the-Art Technologies for Sunlight-Energy-Water Nexus. <i>ACS Nano</i> , 2021 ,	16.7	48
245	GeO ₂ decorated reduced graphene oxide as anode material of sodium ion battery. <i>Electrochimica Acta</i> , 2015 , 173, 193-199	6.7	47
244	Enhanced electrochemical performances of anatase TiO ₂ nanotubes by synergetic doping of Ni and N for sodium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 254, 130-139	6.7	46
243	Mesoporous yolk-shell structure Bi ₂ MoO ₆ microspheres with enhanced visible light photocatalytic activity. <i>Ceramics International</i> , 2015 , 41, 8592-8598	5.1	46
242	CdS sensitized TiO ₂ film for photocatalytic reduction of Cr(VI) by microwave-assisted chemical bath deposition method. <i>Journal of Alloys and Compounds</i> , 2014 , 583, 390-395	5.7	46
241	Size Dependence of the 2p-Level Shift of Nanosolid Silicon. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5113-5115	3.4	46

240	Synergistic coupling of NiS _{1.03} nanoparticle with S-doped reduced graphene oxide for enhanced lithium and sodium storage. <i>Chemical Engineering Journal</i> , 2021 , 407, 127199	14.7	46
239	Highly sensitive strain sensors based on fragmentized carbon nanotube/polydimethylsiloxane composites. <i>Nanotechnology</i> , 2018 , 29, 235501	3.4	45
238	Carbon aerogels electrode with reduced graphene oxide additive for capacitive deionization with enhanced performance. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 249	6.8	45
237	Novel cake-like N-doped anatase/rutile mixed phase TiO ₂ derived from metal-organic frameworks for visible light photocatalysis. <i>Ceramics International</i> , 2017 , 43, 835-840	5.1	45
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