

Yu Xin Zhang

List of Publications by Citations

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357
papers

17,378
citations

69
h-index

115
g-index

382
ext. papers

21,053
ext. citations

7.3
avg, IF

7.33
L-index

#	Paper	IF	Citations
357	Nanoporous Ni(OH) ₂ thin film on 3D Ultrathin-graphite foam for asymmetric supercapacitor. <i>ACS Nano</i> , 2013 , 7, 6237-43	16.7	925
356	MnO ₂ -based nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21380-21423	13	655
355	Bridging the g-C ₃ N ₄ Interlayers for Enhanced Photocatalysis. <i>ACS Catalysis</i> , 2016 , 6, 2462-2472	13.1	624
354	An Advanced Semimetal-Organic Bi Spheres-g-C ₃ N ₄ Nanohybrid with SPR-Enhanced Visible-Light Photocatalytic Performance for NO Purification. <i>Environmental Science & Technology</i> , 2015 , 49, 12432-40	10.3	393
353	Structural Directed Growth of Ultrathin Parallel Birnessite on MnO for High-Performance Asymmetric Supercapacitors. <i>ACS Nano</i> , 2018 , 12, 1033-1042	16.7	364
352	Facile synthesis of hierarchical Co ₃ O ₄ @MnO ₂ core-shell arrays on Ni foam for asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2014 , 252, 98-106	8.9	307
351	Graphene-encapsulated Si on ultrathin-graphite foam as anode for high capacity lithium-ion batteries. <i>Advanced Materials</i> , 2013 , 25, 4673-7	24	291
350	Self-assembly of mesoporous nanotubes assembled from interwoven ultrathin birnessite-type MnO ₂ nanosheets for asymmetric supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 3878	4.9	248
349	Targeted Synthesis of Unique Nickel Sulfide (NiS, Ni ₃ S ₂) Microarchitectures and the Applications for the Enhanced Water Splitting System. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2500-2508	9.5	237
348	Merging of Kirkendall growth and Ostwald ripening: CuO@MnO ₂ core-shell architectures for asymmetric supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 4518	4.9	199
347	Progress in aqueous rechargeable batteries. <i>Green Energy and Environment</i> , 2018 , 3, 20-41	5.7	182
346	Bi Cocatalyst/Bi ₂ MoO ₆ Microspheres Nanohybrid with SPR-Promoted Visible-Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11889-11898	3.8	169
345	Nickel-Manganese Layered Double Hydroxide Nanosheets Supported on Nickel Foam for High-performance Supercapacitor Electrode Materials. <i>Electrochimica Acta</i> , 2016 , 194, 179-186	6.7	168
344	Engineering firecracker-like beta-manganese dioxides@spinel nickel cobaltates nanostructures for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014 , 270, 426-433	8.9	162
343	Photodegradation of Benzoic Acid over Metal-Doped TiO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 3503-3511	3.9	161
342	Facets and defects cooperatively promote visible light plasmonic photocatalysis with Bi nanowires@BiOCl nanosheets. <i>Journal of Catalysis</i> , 2016 , 344, 401-410	7.3	149
341	Synthesis of Bi ₂ WO ₆ with gradient oxygen vacancies for highly photocatalytic NO oxidation and mechanism study. <i>Chemical Engineering Journal</i> , 2019 , 361, 129-138	14.7	145

340	Layered manganese oxides-decorated and nickel foam-supported carbon nanotubes as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2014 , 269, 760-767	8.9	140
339	Facile synthesis of ultrathin manganese dioxide nanosheets arrays on nickel foam as advanced binder-free supercapacitor electrodes. <i>Journal of Power Sources</i> , 2015 , 277, 36-43	8.9	138
338	Hierarchical Cu ₂ O/CuO/Co ₃ O ₄ core-shell nanowires: synthesis and electrochemical properties. <i>Nanotechnology</i> , 2015 , 26, 304002	3.4	131
337	Development of Cobalt Hydroxide as a Bifunctional Catalyst for Oxygen Electrocatalysis in Alkaline Solution. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12930-6	9.5	131
336	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015 , 27, 5264-79	24	130
335	Encapsulation of zinc hexacyanoferrate nanocubes with manganese oxide nanosheets for high-performance rechargeable zinc ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23628-23633	13	128
334	Rational design of octahedron and nanowire CeO ₂ @MnO ₂ core-shell heterostructures with outstanding rate capability for asymmetric supercapacitors. <i>Chemical Communications</i> , 2015 , 51, 14840-3	5.8	126
333	One-pot synthesis of hierarchical MnO ₂ -modified diatomites for electrochemical capacitor electrodes. <i>Journal of Power Sources</i> , 2014 , 246, 449-456	8.9	125
332	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Core-Shell Heterojunctions. <i>Environmental Science & Technology</i> , 2018 , 52, 1479-1487	10.3	124
331	Controlling interfacial contact and exposed facets for enhancing photocatalysis via 2D-2D heterostructures. <i>Chemical Communications</i> , 2015 , 51, 8249-52	5.8	123
330	Highly sensitive and selective acetone sensor based on C-doped WO ₃ for potential diagnosis of diabetes mellitus. <i>Sensors and Actuators B: Chemical</i> , 2014 , 199, 210-219	8.5	120
329	Tuning MnO ₂ to FeOOH replicas with bio-template 3D morphology as electrodes for high performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 370, 136-147	14.7	119
328	Fabrication, modification and application of (BiO) ₂ CO ₃ -based photocatalysts: A review. <i>Applied Surface Science</i> , 2016 , 365, 314-335	6.7	119
327	Facile synthesis of single-crystalline NiO nanosheet arrays on Ni foam for high-performance supercapacitors. <i>CrystEngComm</i> , 2014 , 16, 2878-2884	3.3	119
326	Synthesis of MnO nanosheets on montmorillonite for oxidative degradation and adsorption of methylene blue. <i>Journal of Colloid and Interface Science</i> , 2018 , 510, 207-220	9.3	116
325	Ru Single Atoms on N-Doped Carbon by Spatial Confinement and Ionic Substitution Strategies for High-Performance Li-O Batteries. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16776-16786	16.4	116
324	Core/shell design of efficient electrocatalysts based on NiCo ₂ O ₄ nanowires and NiMn LDH nanosheets for rechargeable zinc-air batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10243-10252	13	114
323	Morphologically confined hybridization of tiny CoNi ₂ S ₄ nanosheets into S, P co-doped graphene leading to enhanced pseudocapacitance and rate capability. <i>Chemical Engineering Journal</i> , 2020 , 379, 122305	14.7	114

322	Tunable design of layered CuCo ₂ O ₄ nanosheets@MnO ₂ nanoflakes core-shell arrays on Ni foam for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21528-21536	13	108
321	Three dimensional Z-scheme (BiO) ₂ CO ₃ /MoS ₂ with enhanced visible light photocatalytic NO removal. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 87-95	21.8	107
320	Activation of amorphous bismuth oxide via plasmonic Bi metal for efficient visible-light photocatalysis. <i>Journal of Catalysis</i> , 2017 , 352, 102-112	7.3	103
319	Reactant activation and photocatalysis mechanisms on Bi-metal@Bi ₂ GeO ₅ with oxygen vacancies: A combined experimental and theoretical investigation. <i>Chemical Engineering Journal</i> , 2019 , 370, 1366-1375	14.7	103
318	In Situ Activation of Nitrogen-Doped Graphene Anchored on Graphite Foam for a High-Capacity Anode. <i>ACS Nano</i> , 2015 , 9, 8609-16	16.7	103
317	Activity of Transition-Metal (Manganese, Iron, Cobalt, and Nickel) Phosphates for Oxygen Electrocatalysis in Alkaline Solution. <i>ChemCatChem</i> , 2016 , 8, 372-379	5.2	102
316	Bi metal prevents the deactivation of oxygen vacancies in Bi ₂ O ₂ CO ₃ for stable and efficient photocatalytic NO abatement. <i>Applied Catalysis B: Environmental</i> , 2020 , 264, 118545	21.8	102
315	KCl-mediated dual electronic channels in layered g-CN for enhanced visible light photocatalytic NO removal. <i>Nanoscale</i> , 2018 , 10, 8066-8074	7.7	101
314	Construction of unique cupric oxide/manganese dioxide core-shell arrays on a copper grid for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10786-10793	13	101
313	Synthesis of Co ₃ O ₄ /SnO ₂ @MnO ₂ core-shell nanostructures for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12852-12857	13	99
312	Mn and Co co-substituted Fe ₃ O ₄ nanoparticles on nitrogen-doped reduced graphene oxide for oxygen electrocatalysis in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16217-16223	13	99
311	Defective Bi ₄ MoO ₉ /Bi metal core/shell heterostructure: Enhanced visible light photocatalysis and reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 619-627	21.8	97
310	Low-cost high-performance asymmetric supercapacitors based on Co ₂ AlO ₄ @MnO ₂ nanosheets and Fe ₃ O ₄ nanoflakes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2096-2104	13	96
309	Noble metal-free Bi nanoparticles supported on TiO ₂ with plasmon-enhanced visible light photocatalytic air purification. <i>Environmental Science: Nano</i> , 2016 , 3, 1306-1317	7.1	91
308	Promoting ring-opening efficiency for suppressing toxic intermediates during photocatalytic toluene degradation via surface oxygen vacancies. <i>Science Bulletin</i> , 2019 , 64, 669-678	10.6	90
307	Flower-like SnO ₂ /graphene composite for high-capacity lithium storage. <i>Applied Surface Science</i> , 2012 , 258, 4917-4921	6.7	90
306	Polypyrrole encapsulation on flower-like porous NiO for advanced high-performance supercapacitors. <i>Chemical Communications</i> , 2015 , 51, 7669-72	5.8	89
305	New insights into how Pd nanoparticles influence the photocatalytic oxidation and reduction ability of g-C ₃ N ₄ nanosheets. <i>Catalysis Science and Technology</i> , 2016 , 6, 6448-6458	5.5	89

304	MnO ₂ nanostructures with three-dimensional (3D) morphology replicated from diatoms for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7855-7861	13	88
303	Optimizing the rate capability of nickel cobalt phosphide nanowires on graphene oxide by the outer/inter-component synergistic effects. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1697-1708	13	88
302	Tunable synthesis of hierarchical NiCo ₂ O ₄ nanosheets-decorated Cu/CuOx nanowires architectures for asymmetric electrochemical capacitors. <i>Journal of Power Sources</i> , 2015 , 283, 270-278	8.9	86
301	Assembling a double shell on a diatomite skeleton ternary complex with conductive polypyrrole for the enhancement of supercapacitors. <i>Chemical Communications</i> , 2019 , 55, 13773-13776	5.8	86
300	Growth of NiMn LDH nanosheet arrays on KCu ₇ S ₄ microwires for hybrid supercapacitors with enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20579-20587	13	82
299	Morphology and crystallinity-controlled synthesis of manganese cobalt oxide/manganese dioxides hierarchical nanostructures for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2015 , 296, 86-91	8.9	81
298	Hierarchical NiO nanoflake coated CuO flower core-shell nanostructures for supercapacitor. <i>Ceramics International</i> , 2014 , 40, 5533-5538	5.1	79
297	Evaluation of MnO-templated iron oxide-coated diatomites for their catalytic performance in heterogeneous photo Fenton-like system. <i>Journal of Hazardous Materials</i> , 2018 , 344, 230-240	12.8	77
296	Engineering of three dimensional (3-D) diatom@TiO ₂ @MnO ₂ composites with enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2016 , 190, 159-167	6.7	76
295	Unraveling the mechanism of binary channel reactions in photocatalytic formaldehyde decomposition for promoted mineralization. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118130	21.8	75
294	A hybrid polymer/oxide/ionic-liquid solid electrolyte for Na-metal batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6424-6431	13	74
293	Template synthesis of carbon self-doped g-C ₃ N ₄ with enhanced visible to near-infrared absorption and photocatalytic performance. <i>RSC Advances</i> , 2015 , 5, 39549-39556	3.7	73
292	Morphology-controlled MnO ₂ modified silicon diatoms for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10856-10865	13	72
291	Hierarchical ZnO@MnO ₂ Core-Shell Pillar Arrays on Ni Foam for Binder-Free Supercapacitor Electrodes. <i>Electrochimica Acta</i> , 2015 , 152, 172-177	6.7	72
290	Tuning the Bifunctional Oxygen Electrocatalytic Properties of Core-Shell CoO@NiFe LDH Catalysts for Zn-Air Batteries: Effects of Interfacial Cation Valences. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21506-21514	9.5	71
289	Co-doped Ni ₃ S ₂ @CNT arrays anchored on graphite foam with a hierarchical conductive network for high-performance supercapacitors and hydrogen evolution electrodes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10490-10496	13	69
288	2D-2D growth of NiFe LDH nanoflakes on montmorillonite for cationic and anionic dye adsorption performance. <i>Journal of Colloid and Interface Science</i> , 2019 , 540, 398-409	9.3	68
287	Highly enhanced acetone sensing performance of porous C-doped WO ₃ hollow spheres by carbon spheres as templates. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 597-607	8.5	68

286	Bismuth spheres assembled on graphene oxide: Directional charge transfer enhances plasmonic photocatalysis and in situ DRIFTS studies. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 482-489	21.8	67
285	Electrocatalytic hydrodechlorination of 2,4-dichlorophenol over palladium nanoparticles and its pH-mediated tug-of-war with hydrogen evolution. <i>Chemical Engineering Journal</i> , 2018 , 348, 26-34	14.7	65
284	Fabrication of corrosion-resistant superhydrophobic coating on magnesium alloy by one-step electrodeposition method. <i>Journal of Magnesium and Alloys</i> , 2019 , 7, 193-202	8.8	64
283	Hydrothermal synthesis of nanostructured graphene/polyaniline composites as high-capacitance electrode materials for supercapacitors. <i>Scientific Reports</i> , 2017 , 7, 44562	4.9	62
282	Surface oxygen-vacancy induced photocatalytic activity of La(OH) ₃ nanorods prepared by a fast and scalable method. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16058-66	3.6	62
281	Synthesis of porous NiCoS nanosheets with Al leaching on ordered mesoporous carbon for high-performance supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 384, 123367	14.7	62
280	Facile preparation and sulfidation analysis for activated multiporous carbon@NiCo ₂ S ₄ nanostructure with enhanced supercapacitive properties. <i>Electrochimica Acta</i> , 2016 , 211, 627-635	6.7	62
279	pH-Dependent Degradation of Methylene Blue via Rational-Designed MnO ₂ Nanosheet-Decorated Diatomites. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6966-6977	3.9	61
278	Synthesis of eosin modified TiO ₂ film with co-exposed {001} and {101} facets for photocatalytic degradation of para-aminobenzoic acid and solar H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2020 , 265, 118557	21.8	61
277	Diatom silica, an emerging biomaterial for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8847-8859	13	60
276	An ultrasensitive non-enzymatic glucose sensors based on controlled petal-like CuO nanostructure. <i>Electrochimica Acta</i> , 2018 , 259, 225-232	6.7	60
275	Plasmonic Bi metal as cocatalyst and photocatalyst: The case of Bi/(BiO)CO and Bi particles. <i>Journal of Colloid and Interface Science</i> , 2017 , 485, 1-10	9.3	60
274	MnO ₂ nanorods/MXene/CC composite electrode for flexible supercapacitors with enhanced electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 259-268	5.7	58
273	One-step hydrothermal synthesis of hierarchical MnO ₂ -coated CuO flower-like nanostructures with enhanced electrochemical properties for supercapacitor. <i>Materials Letters</i> , 2013 , 112, 203-206	3.3	58
272	Multifunctional Ionic Skin with Sensing, UV-Filtering, Water-Retaining, and Anti-Freezing Capabilities. <i>Advanced Functional Materials</i> , 2021 , 31, 2011176	15.6	58
271	Single Precursor Mediated-Synthesis of Bi Semimetal Deposited N-Doped (BiO) ₂ CO ₃ Superstructures for Highly Promoted Photocatalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2969-2979	8.3	58
270	Engineering Ultrathin Co(OH) ₂ Nanosheets on Dandelion-like CuCo ₂ O ₄ Microspheres for Binder-Free Supercapacitors. <i>ChemElectroChem</i> , 2017 , 4, 721-727	4.3	57
269	Crystal structure of nickel manganese-layered double hydroxide@cobaltosic oxides on nickel foam towards high-performance supercapacitors. <i>CrystEngComm</i> , 2019 , 21, 470-477	3.3	56

268	Phase and morphology evolution of CoAl LDH nanosheets towards advanced supercapacitor applications. <i>CrystEngComm</i> , 2019 , 21, 4934-4942	3.3	55
267	Chemical Modifications of Layered Double Hydroxides in the Supercapacitor. <i>Energy and Environmental Materials</i> , 2020 , 3, 346-379	13	55
266	Solvent-assisted synthesis of porous g-C 3 N 4 with efficient visible-light photocatalytic performance for NO removal. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 372-378	11.3	54
265	Construction of vertically aligned PPy nanosheets networks anchored on MnCo2O4 nanobelts for high-performance asymmetric supercapacitor. <i>Journal of Power Sources</i> , 2018 , 393, 169-176	8.9	54
264	Crystal morphology evolution of NiCo layered double hydroxide nanostructure towards high-performance biotemplate asymmetric supercapacitors. <i>CrystEngComm</i> , 2018 , 20, 7428-7434	3.3	54
263	Facile synthesis of carbon-doped graphitic C3N4@MnO2 with enhanced electrochemical performance. <i>RSC Advances</i> , 2016 , 6, 83209-83216	3.7	53
262	Tuning parallel manganese dioxide to hollow parallel hydroxyl oxidize iron replicas for high-performance asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 812-823	9.3	53
261	Corrosion resistance of fatty acid and fluoroalkylsilane-modified hydrophobic Mg-Al LDH films on anodized magnesium alloy. <i>Applied Surface Science</i> , 2019 , 487, 569-580	6.7	52
260	Flexible electrochemical energy storage: The role of composite materials. <i>Composites Science and Technology</i> , 2020 , 192, 108102	8.6	52
259	Active corrosion protection of super-hydrophobic corrosion inhibitor intercalated MgAl layered double hydroxide coating on AZ31 magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2020 , 8, 291-300	8.8	52
258	Preparation, characterization and dye adsorption of Au nanoparticles/ZnAl layered double oxides nanocomposites. <i>Applied Surface Science</i> , 2013 , 283, 505-512	6.7	52
257	Highly enhanced visible-light photocatalytic NO x purification and conversion pathway on self-structurally modified g-C 3 N 4 nanosheets. <i>Science Bulletin</i> , 2018 , 63, 609-620	10.6	51
256	An anion-exchange strategy for 3D hierarchical (BiO)2CO3/amorphous Bi2S3 heterostructures with increased solar absorption and enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015 , 5, 11714-11723	3.7	51
255	The pseudocapacitance mechanism of graphene/CoAl LDH and its derivatives: Are all the modifications beneficial?. <i>Journal of Energy Chemistry</i> , 2021 , 52, 218-227	12	51
254	Achieving high energy density in a 4.5 V all nitrogen-doped graphene based lithium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19909-19921	13	49
253	Mesoporous CuO/NiO micropolyhedrons: facile synthesis, morphological evolution and pseudocapacitive performance. <i>CrystEngComm</i> , 2014 , 16, 492-498	3.3	49
252	Rational Design of Porous MnO 2 Tubular Arrays via Facile and Templated Method for High Performance Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 154, 329-337	6.7	49
251	Rational design of coaxial mesoporous birnessite manganese dioxide/amorphous-carbon nanotubes arrays for advanced asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2015 , 278, 555-561	8.9	49

250	Biotemplate derived three dimensional nitrogen doped graphene@MnO as bifunctional material for supercapacitor and oxygen reduction reaction catalyst. <i>Journal of Colloid and Interface Science</i> , 2019 , 544, 155-163	9.3	49
249	Growth of cobalt-aluminum layered double hydroxide nanosheets on graphene oxide towards high performance supercapacitors: The important role of layer structure. <i>Applied Surface Science</i> , 2019 , 496, 143700	6.7	48
248	Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi ₂ O ₂ CO ₃ nanosheets. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 620-630	11.3	48
247	Direct Imaging of Isolated Single-Molecule Magnets in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2997-3005	16.4	48
246	Synergistic integration of metallic Bi and defects on BiOI: Enhanced photocatalytic NO removal and conversion pathway. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 826-836	11.3	46
245	Acid-salt treated CoAl layered double hydroxide nanosheets with enhanced adsorption capacity of methyl orange dye. <i>Journal of Colloid and Interface Science</i> , 2019 , 548, 100-109	9.3	46
244	Rational design of hierarchically porous birnessite-type manganese dioxides nanosheets on different one-dimensional titania-based nanowires for high performance supercapacitors. <i>Journal of Power Sources</i> , 2014 , 270, 675-683	8.9	46
243	Ternary Ag/AgCl/BiOIO ₃ composites for enhanced visible-light-driven photocatalysis. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2155-2163	11.3	46
242	Preparation of Porous 3O ₄ and Its Application in the Oxygen Reduction Reaction and Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 831-837	8.3	46
241	The importance of intermediates ring-opening in preventing photocatalyst deactivation during toluene decomposition. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118977	21.8	46
240	Morphology Dependent Supercapacitance of Nanostructured NiCo ₂ O ₄ on Graphitic Carbon Nitride. <i>Electrochimica Acta</i> , 2016 , 200, 239-246	6.7	45
239	Facile synthesis of Bi ₁₂ O ₁₇ Br ₂ and Bi ₄ O ₅ Br ₂ nanosheets: In situ DRIFTS investigation of photocatalytic NO oxidation conversion pathway. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 2030-2038	11.3	44
238	Rational design of microsphere and microcube MnCO ₃ @MnO ₂ heterostructures for supercapacitor electrodes. <i>Journal of Power Sources</i> , 2017 , 353, 202-209	8.9	43
237	Engineering birnessite-type MnO ₂ nanosheets on fiberglass for pH-dependent degradation of methylene blue. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 83, 40-46	3.9	43
236	Methanolysis of ammonia borane by shape-controlled mesoporous copper nanostructures for hydrogen generation. <i>Dalton Transactions</i> , 2015 , 44, 1070-6	4.3	43
235	Low temperature and fast response hydrogen gas sensor with Pd coated SnO ₂ nanofiber rods. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 7234-7242	6.7	43
234	Fabrication of CuO nanosheets-built microtubes via Kirkendall effect for non-enzymatic glucose sensor. <i>Applied Surface Science</i> , 2019 , 494, 484-491	6.7	43
233	Flower-like MnO ₂ decorated activated multihole carbon as high-performance asymmetric supercapacitor electrodes. <i>Materials Letters</i> , 2014 , 135, 11-14	3.3	43

232	Efficient visible light photocatalytic NO _x removal with cationic Ag clusters-grafted (BiO)CO hierarchical superstructures. <i>Journal of Hazardous Materials</i> , 2017 , 322, 223-232	12.8	42
231	Engineering hierarchical Diatom@CuO@MnO ₂ hybrid for high performance supercapacitor. <i>Applied Surface Science</i> , 2018 , 427, 1158-1165	6.7	42
230	Morphology-controlled MnO ₂ -graphene oxide-diatomaceous earth 3-dimensional (3D) composites for high-performance supercapacitors. <i>Dalton Transactions</i> , 2016 , 45, 936-42	4.3	42
229	Tuning the reaction pathway of photocatalytic NO oxidation process to control the secondary pollution on monodisperse Au nanoparticles@g-C ₃ N ₄ . <i>Chemical Engineering Journal</i> , 2019 , 378, 122184	14.7	42
228	Few-Layered Trigonal WS Nanosheet-Coated Graphite Foam as an Efficient Free-Standing Electrode for a Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30591-30598	9.5	42
227	Tailoring Kirkendall Effect of the KCu ₇ S ₄ Microwires towards CuO@MnO ₂ Core-Shell Nanostructures for Supercapacitors. <i>Electrochimica Acta</i> , 2015 , 174, 87-92	6.7	42
226	Self-supporting CoO/Graphene Hybrid Films as Binder-free Anode Materials for Lithium Ion Batteries. <i>Scientific Reports</i> , 2018 , 8, 3182	4.9	41
225	Synergistic effect of manganese dioxide and diatomite for fast decolorization and high removal capacity of methyl orange. <i>Journal of Colloid and Interface Science</i> , 2016 , 484, 1-9	9.3	41
224	P-Doped NiMoO ₄ parallel arrays anchored on cobalt carbonate hydroxide with oxygen vacancies and mass transfer channels for supercapacitors and oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19589-19596	13	40
223	Mesoporous Ni-Doped Bi ₂ O ₃ Microspheres for Enhanced Solar-Driven Photocatalysis: A Combined Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9394-9401	3.8	39
222	Double-shell Fe ₂ O ₃ hollow box-like structure for enhanced photo-Fenton degradation of malachite green dye. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 112, 209-215	3.9	39
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