Junhao Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7122879/publications.pdf

Version: 2024-02-01

83	3,588	159585 30	138484 58
papers	citations	h-index	g-index

83	83	83	3337
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A channel-confined strategy for synthesizing CoN-CoOx/C as efficient oxygen reduction electrocatalyst for advanced zinc-air batteries. Nano Research, 2022, 15, 2092-2103.	10.4	33
2	Influence of multiply modified FeCu-montmorillonite on fire safety and mechanical performances of epoxy resin nanocomposites. Thermochimica Acta, 2022, 707, 179112.	2.7	36
3	Intercalating assembly of NiFe LDH nanosheets/CNTs composite as high-performance electrocatalyst for oxygen evolution reaction. Applied Clay Science, 2022, 216, 106360.	5.2	31
4	In Situ Carbon-coated Ni0.85Se@C Composite with High Performance for Sodium-ion Batteries. Chemistry Letters, 2022, 51, 221-223.	1.3	0
5	An altered nanoemulsion assembly strategy for in-situ synthesis of Co2P/NP-C nanospheres as advanced oxygen reduction electrocatalyst for zinc-air batteries. Composites Part B: Engineering, 2022, 231, 109589.	12.0	41
6	Fabricating titanium dioxide/N-doped carbon nanofibers as advanced interlayer for improving cycling reversibility of lithium-sulfur batteries. Chinese Journal of Chemical Engineering, 2022, 52, 88-94.	3.5	5
7	Recent progress on preparation and applications of layered double hydroxides. Chinese Chemical Letters, 2022, 33, 4428-4436.	9.0	30
8	Controllable Solid-Phase Fabrication of an Fe₂O₃/Fe₅C₂/Feâ€“Nâ€“C Electrocatalyst toward Optimizing the Oxygen Reduction Reaction in Zincâ€“Air Batteries. Nano Letters, 2022, 22, 4879-4887.	9.1	72
9	Growing Coâ€“Niâ€“Se nanosheets on 3D carbon frameworks as advanced dual functional electrodes for supercapacitors and sodium ion batteries. Inorganic Chemistry Frontiers, 2022, 9, 3933-3942.	6.0	34
10	Polyphosphazene-wrapped Feâ€“MOF for improving flame retardancy and smoke suppression of epoxy resins. Journal of Thermal Analysis and Calorimetry, 2021, 144, 51-59.	3.6	25
11	Self-supporting N, P doped Si/CNTs/CNFs composites with fiber network for high-performance lithium-ion batteries. Journal of Alloys and Compounds, 2021, 857, 157554.	5.5	58
12	Boosting flame retardancy of epoxy resin composites through incorporating ultrathin nickel phenylphosphate nanosheets. Journal of Applied Polymer Science, 2021, 138, 50265.	2.6	16
13	Self-supporting dual-confined porous Si@c-ZIF@carbon nanofibers for high-performance lithium-ion batteries. Chemical Communications, 2021, 57, 10580-10583.	4.1	42
14	CoS₂ Nanoparticles Embedded in Twoâ€Dimensional Sheetâ€Shaped Nâ€Doped Carbon for Sodium Storage. European Journal of Inorganic Chemistry, 2021, 2021, 1536-1541.	2.0	5
15	Zephyranthes-like Co2NiSe4 arrays grown on 3D porous carbon frame-work as electrodes for advanced supercapacitors and sodium-ion batteries. Nano Research, 2021, 14, 3598-3607.	10.4	60
16	Suppressing fire hazard of poly(vinyl alcohol) based on (<scp>NH₄</scp>)₂[<scp>VO</scp>(<scp>HPO₄</scp>)]₂(<scp>C₂</scp>O₄) with layered structure. Journal of Applied Polymer Science, 2021, 138, 51345.	2.6	8
17	CoSnO₃ Nanocubes Wrapped by Carbon Nanofibers for Improving Lithiumâ€Sulfur Battery Performances. ChemistrySelect, 2021, 6, 9453-9457.	1.5	1
18	Ultrafine CoO nanoparticles and Co-N-C lamellae supported on mesoporous carbon for efficient electrocatalysis of oxygen reduction in zinc-air batteries. Electrochimica Acta, 2021, 394, 139135.	5.2	23

#	Article	IF	Citations
19	Two-dimensional flower-like cobalt-porphyrin MOF/rGO composite anodes for high-performance Li-ion batteries. Journal of Alloys and Compounds, 2021, 881, 160531.	5.5	63
20	Improving the flame-retardant efficiency of layered double hydroxide with disodium phenylphosphate for epoxy resin. Journal of Thermal Analysis and Calorimetry, 2020, 140, 149-156.	3.6	45
21	N, S, O Self-Doped Porous Carbon Nanoarchitectonics Derived from Pinecone with Outstanding Supercapacitance Performances. Journal of Nanoscience and Nanotechnology, 2020, 20, 2728-2735.	0.9	18
22	Effect of Graphene Oxideâ€“Modified Cobalt Nickel Phosphate on Flame Retardancy of Epoxy Resin. Frontiers in Materials, 2020, 7, .	2.4	5
23	Preparation of CoSnO₃/CNTs/S and its Electrochemical Performance as Cathode Material for Lithiumâ€Sulfur Batteries. ChemElectroChem, 2020, 7, 4209-4217.	3.4	14
24	Co₃O₄ on Fe, N Doped Bioâ€Carbon Substrate for Electrocatalysis of Oxygen Reduction. European Journal of Inorganic Chemistry, 2020, 2020, 3869-3876.	2.0	4
25	Solution-Processed Sb₂Se₃ on TiO₂ Thin Films Toward Oxidation- and Moisture-Resistant, Self-Powered Photodetectors. ACS Applied Materials & Interfaces, 2020, 12, 38341-38349.	8.0	32
26	Selenium and sulfur inhomogeneity in free-standing ternary Sb2(Se,S)3 alloyed nanorods. CrystEngComm, 2020, 22, 6019-6025.	2.6	0
27	Oleic acid-induced, controllable surface oxidation to enhance the photoresponse performance of Sb₂Se₃ nanorods. CrystEngComm, 2020, 22, 6189-6194.	2.6	5
28	A Promising Hard Carbonâ”Soft Carbon Composite Anode with Boosting Sodium Storage Performance. ChemElectroChem, 2020, 7, 4010-4015.	3.4	31
29	Polymer-assisted synthesis and applications of hydroxyapatite (HAp) anchored nitrogen-doped 3D graphene foam-based nanostructured ceramic framework. RSC Advances, 2020, 10, 17918-17929.	3.6	12
30	Dualâ€Templating Approaches to Soybeans Milkâ€Derived Hierarchically Porous Heteroatomâ€Doped Carbon Materials for Lithiumâ€Ion Batteries. ChemistryOpen, 2020, 9, 582-587.	1.9	9
31	Length and composition tunable Sbâ€“Biâ€“S nanowires for optoelectronic devices prepared via an isostructure-favored solvothermal synthesis. Journal of Alloys and Compounds, 2020, 831, 154886.	5.5	5
32	Hollow N-doped Carbon/Metal Phosphate Structure as Sulfur Host for an Advanced Cathode of Lithium-Sulfur Battery. Chemistry Letters, 2020, 49, 677-680.	1.3	5
33	Fabrication of GeO2 microspheres /hierarchical porous N-doped carbon with superior cyclic stability for Li-ion batteries. Journal of Solid State Chemistry, 2020, 286, 121303.	2.9	36
34	High N-doped hierarchical porous carbon networks with expanded interlayers for efficient sodium storage. Nano Research, 2020, 13, 2862-2868.	10.4	94
35	Dual taming of polysufides by phosphorus-doped carbon for improving electrochemical performances of lithiumâ€“sulfur battery. Electrochimica Acta, 2020, 354, 136648.	5.2	40
36	Facile in situ fabrication of biomorphic Co₂P-Co₃O₄/rGO/C as an efficient electrocatalyst for the oxygen reduction reaction. Nanoscale, 2020, 12, 4374-4382.	5.6	68

#	Article	IF	Citations
37	Preparation and lithium storage performances of g-C3N4/Si nanocomposites as anode materials for lithium-ion battery. Frontiers in Energy, 2020, 14, 759-766.	2.3	8
38	High-performance battery-type supercapacitor based on porous biocarbon and biocarbon supported Niâ€“Co layered double hydroxide. Journal of Alloys and Compounds, 2020, 837, 155529.	5.5	110
39	Simultaneously improving flame retardancy and dynamic mechanical properties of epoxy resin nanocomposites through synergistic effect of zirconium phenylphosphate and POSS. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2117-2124.	3.6	28
40	Submicron Co₉S₈/CoS/Carbon Spheres Derived from Bacteria for the Electrocatalytic Oxygen Reduction Reaction. ChemElectroChem, 2019, 6, 4571-4575.	3.4	17
41	NiAl Layered Double Hydroxide Flowers with Ultrathin Structure Grown on 3D Graphene for Highâ€Performance Supercapacitors. European Journal of Inorganic Chemistry, 2019, 2019, 3719-3723.	2.0	13
42	Ultrathin iron phenyl phosphonate nanosheets with appropriate thermal stability for improving fire safety in epoxy. Composites Science and Technology, 2019, 182, 107748.	7.8	88
43	Constructing Cu2O@Ni-Al LDH core-shell structure for high performance supercapacitor electrode material. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	7
44	Isovalent bismuth ion-induced growth of highly-disperse Sb₂S₃ nanorods and their composite with p-CuSCN for self-powered photodetectors. CrystEngComm, 2019, 21, 554-562.	2.6	11
45	Facile Fabrication of Amorphous Niâ€“P Supported on a 3D Biocarbon Skeleton as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemElectroChem, 2019, 6, 3071-3076.	3.4	17
46	Construction of CoS2-N-C sheets anchored on 3D graphene network for lithium storage performances. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	16
47	One-step chemical synthesis of MgCNi3 nanoparticles embedded in carbon nanosheets utilizing waste polyethylene as carbon source. Materials Research Express, 2019, 6, 126003.	1.6	3
48	Molten Salt-assisted Magnesiothermic Reduction Synthesis of Spherical Si Hollow Structure as Promising Anode Materials of Lithium Ion Batteries. Chemistry Letters, 2019, 48, 1547-1550.	1.3	8
49	Co, Mn-LDH nanoneedle arrays grown on Ni foam for high performance supercapacitors. Applied Surface Science, 2019, 469, 487-494.	6.1	179
50	Biomorphic Coï£¿Nï£¿C/CoO_x Composite Derived from Natural Chloroplasts as Efficient Electrocatalyst for Oxygen Reduction Reaction. Small, 2019, 15, e1804855.	10.0	72
51	Ultrafine nickel nanocatalyst-engineering of an organic layered double hydroxide towards a super-efficient fire-safe epoxy resin via interfacial catalysis. Journal of Materials Chemistry A, 2018, 6, 8488-8498.	10.3	101
52	Unusual Formation of CoO@C â€œDandelionsâ€•Derived from 2D KagÃ³me MOLs for Efficient Lithium Storage. Advanced Energy Materials, 2018, 8, 1703242.	19.5	122
53	Sulfurâ€“hydrazine hydrate-based chemical synthesis of sulfur@graphene composite for lithiumâ€“sulfur batteries. Inorganic Chemistry Frontiers, 2018, 5, 785-792.	6.0	14
54	Simultaneously improving the fire safety and mechanical properties of epoxy resin with Fe-CNTs via large-scale preparation. Journal of Materials Chemistry A, 2018, 6, 6376-6386.	10.3	183

#	Article	IF	Citations
55	Simultaneously improving flame retardancy and dynamic mechanical properties of epoxy resin nanocomposites through layered copper phenylphosphate. Composites Science and Technology, 2018, 154, 136-144.	7.8	146
56	Germanium-based complex derived porous GeO2 nanoparticles for building high performance Li-ion batteries. Ceramics International, 2018, 44, 1127-1133.	4.8	31
57	Systematic Study of Effect on Enhancing Specific Capacity and Electrochemical Behaviors of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1701330.	19.5	154
58	2D molybdenum nitride nanosheets as anode materials for improved lithium storage. Nanoscale, 2018, 10, 18936-18941.	5.6	61
59	Systematic Exploration of the Role of a Modified Layer on the Separator in the Electrochemistry of Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 30306-30313.	8.0	22
60	Thermal Stability and Flame Retardancy of Polypropylene/NiAl Layered Double Hydroxide Nanocomposites. Journal of Nanoscience and Nanotechnology, 2018, 18, 1051-1056.	0.9	8
61	Improving the Thermal Stability and Flame Retardancy of PP/IFR Composites by NiAl-Layered Double Hydroxide. Journal of Nanoscience and Nanotechnology, 2018, 18, 3660-3665.	0.9	9
62	Effect on thermal and combustion behaviors of montmorillonite intercalation nickel compounds in polypropylene/IFR system. Polymers for Advanced Technologies, 2017, 28, 965-970.	3.2	21
63	Nitrogen-doped carbon composites derived from 7,7,8,8-tetracyanoquinodimethane-based metalâ€“organic frameworks for supercapacitors and lithium-ion batteries. RSC Advances, 2017, 7, 25182-25190.	3.6	23
64	Improving flame retardancy of IFR/PP composites through the synergistic effect of organic montmorillonite intercalation cobalt hydroxides modified by acidified chitosan. Applied Clay Science, 2017, 146, 230-237.	5.2	98
65	Improving flame retardancy of PP/MH/RP composites through synergistic effect of organic CoAl-layered double hydroxide. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1039-1046.	3.6	19
66	Improving Thermal and Flame Retardant Properties of Epoxy Resin with Organic NiFeâ€Layered Double Hydroxideâ€Carbon Nanotubes Hybrids. Chinese Journal of Chemistry, 2017, 35, 1875-1880.	4.9	27
67	Ultrathin Ni-Al layered double hydroxide nanosheets with enhanced supercapacitor performance. Ceramics International, 2017, 43, 14395-14400.	4.8	52
68	Zn₂GeO₄ nanorods grown on carbon cloth as high performance flexible lithium-ion battery anodes. RSC Advances, 2017, 7, 51807-51813.	3.6	43
69	MOF-derived bi-metal embedded N-doped carbon polyhedral nanocages with enhanced lithium storage. Journal of Materials Chemistry A, 2017, 5, 266-274.	10.3	341
70	Effect of Fe-Montmorillonite on Flammability Behavior in Polypropylene/Magnesium Hydroxide Composites. Journal of Nanoscience and Nanotechnology, 2016, 16, 8287-8293.	0.9	8
71	Ultrasmall SnS₂nanoparticles anchored on well-distributed nitrogen-doped graphene sheets for Li-ion and Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10719-10726.	10.3	177
72	Flame-retardant effect of montmorillonite intercalation iron compounds in polypropylene/aluminum hydroxide composites system. Journal of Thermal Analysis and Calorimetry, 2016, 124, 807-814.	3.6	16

#	Article	IF	Citations
73	Few layered Co(OH)₂ultrathin nanosheet-based polyurethane nanocomposites with reduced fire hazard: from eco-friendly flame retardance to sustainable recycling. Green Chemistry, 2016, 18, 3066-3074.	9.0	171
74	Large Scale Preparation of Î²â€CaSiO₃ Nanostructures by Solidâ€State Reaction in NaClâ€“H₂O(v) System at Lower Temperature. Journal of the American Ceramic Society, 2015, 98, 2264-2268.	3.8	1
75	NaClâ€“H2O-assisted preparation of SrTiO3 nanoparticles by solid state reaction at low temperature. Ceramics International, 2015, 41, 5439-5444.	4.8	14
76	Large-scale controllable preparation and performance of hierarchical nickel microstructures by a seed-mediated solution hydrogen reduction route. Journal of Materials Chemistry A, 2015, 3, 7877-7887.	10.3	13
77	Accelerated formation of strontium silicate by solid-state reaction in NaClâ€“H2O(v) system at lower temperature. Applied Surface Science, 2015, 347, 57-63.	6.1	5
78	Sustainable processing of waste polypropylene to produce high yield valuable Fe/carbon nanotube nanocomposites. CrystEngComm, 2014, 16, 8832-8840.	2.6	24
79	Self-assembled synthesis of carbon-coated Fe3O4 composites with firecracker-like structures from catalytic pyrolysis of polyamide. RSC Advances, 2014, 4, 6991.	3.6	15
80	Synergistic effect of organophilic Fe-montmorillonite on flammability in polypropylene/intumescent flame retardant system. Journal of Thermal Analysis and Calorimetry, 2014, 117, 693-699.	3.6	24
81	Converting Polyethylene Waste into Large Scale One-Dimensional Fe₃O₄@C Composites by a Facile One-Pot Process. Industrial & Engineering Chemistry Research, 2013, 52, 5708-5712.	3.7	30
82	Graphene Encapsulated Fe3O4 Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2013, 13, 4364-4369.	0.9	14
83	Synthesis of carbon-coated Fe3O4 composites with pine-tree-leaf structures from catalytic pyrolysis of polyethylene. CrystEngComm, 2012, 14, 3451.	2.6	18