

Guangdi Nie

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,293
citations

136950

32
h-index

206112

48
g-index

51
all docs

51
docs citations

51
times ranked

3345
citing authors

#	ARTICLE	IF	CITATIONS
1	A one-pot and in situ synthesis of CuS-graphene nanosheet composites with enhanced peroxidase-like catalytic activity. Dalton Transactions, 2013, 42, 14006.	3.3	119
2	Facile and controlled synthesis of bismuth sulfide nanorods-reduced graphene oxide composites with enhanced supercapacitor performance. Electrochimica Acta, 2015, 154, 24-30.	5.2	118
3	Highly sensitive acetone sensor based on Eu-doped SnO ₂ electrospun nanofibers. Ceramics International, 2016, 42, 15881-15888.	4.8	103
4	Encapsulating conducting polypyrrole into electrospun TiO ₂ nanofibers: a new kind of nanoreactor for in situ loading Pd nanocatalysts towards p-nitrophenol hydrogenation. Journal of Materials Chemistry, 2012, 22, 12723.	6.7	95
5	Hierarchical Fe ₂ O ₃ @MnO ₂ core-shell nanotubes as electrode materials for high-performance supercapacitors. Electrochimica Acta, 2017, 231, 36-43.	5.2	84
6	Monocrystalline VO ₂ (B) nanobelts: large-scale synthesis, intrinsic peroxidase-like activity and application in biosensing. Journal of Materials Chemistry A, 2014, 2, 2910.	10.3	83
7	Electrospun polyacrylonitrile nanofibers supported Ag/Pd nanoparticles for hydrogen generation from the hydrolysis of ammonia borane. Journal of Power Sources, 2014, 261, 221-226.	7.8	76
8	Synthesis of Few-Layer MoS ₂ Nanosheets-Wrapped Polyaniline Hierarchical Nanostructures for Enhanced Electrochemical Capacitance Performance. Electrochimica Acta, 2015, 176, 149-155.	5.2	72
9	The integration of SnO ₂ dots and porous carbon nanofibers for flexible supercapacitors. Electrochimica Acta, 2019, 308, 121-130.	5.2	68
10	Electrospun V ₂ O ₅ -doped Fe ₂ O ₃ composite nanotubes with tunable ferromagnetism for high-performance supercapacitor electrodes. Journal of Materials Chemistry A, 2014, 2, 15495.	10.3	67
11	Flexible supercapacitor of high areal performance with vanadium/cobalt oxides on carbon nanofibers as a binder-free membrane electrode. Chemical Engineering Journal, 2020, 402, 126294.	12.7	67
12	One-Pot Synthesis of Algae-Like MoS ₂ /PPy Nanocomposite: A Synergistic Catalyst with Superior Peroxidase-Like Catalytic Activity for H ₂ O ₂ Detection. Particle and Particle Systems Characterization, 2015, 32, 886-892.	2.3	63
13	Key issues facing electrospun carbon nanofibers in energy applications: on-going approaches and challenges. Nanoscale, 2020, 12, 13225-13248.	5.6	63
14	Fabrication of polyacrylonitrile/CuS composite nanofibers and their recycled application in catalysis for dye degradation. Applied Surface Science, 2013, 284, 595-600.	6.1	59
15	Palladium nanoparticles modified electrospun CoFe ₂ O ₄ nanotubes with enhanced peroxidase-like activity for colorimetric detection of hydrogen peroxide. RSC Advances, 2016, 6, 33636-33642.	3.6	57
16	Direct growth of Ni-Mn-O nanosheets on flexible electrospun carbon nanofibers for high performance supercapacitor applications. Inorganic Chemistry Frontiers, 2018, 5, 635-642.	6.0	57
17	Highly flexible Fe ₂ O ₃ /TiO ₂ composite nanofibers for photocatalysis and ultraviolet detection. Journal of Physics and Chemistry of Solids, 2018, 121, 236-246.	4.0	53
18	Fabrication of highly dispersed palladium/graphene oxide nanocomposites and their catalytic properties for efficient hydrogenation of p-nitrophenol and hydrogen generation. International Journal of Hydrogen Energy, 2014, 39, 9080-9086.	7.1	52

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19	Electrochemical determination of dopamine based on electrospun CeO ₂ /Au composite nanofibers. <i>Electrochimica Acta</i> , 2013, 95, 12-17.	5.2	50
20	Fabrication of Au nanoparticles supported on CoFe ₂ O ₄ nanotubes by polyaniline assisted self-assembly strategy and their magnetically recoverable catalytic properties. <i>Applied Surface Science</i> , 2016, 363, 578-585.	6.1	49
21	FeCo nanoparticles-embedded carbon nanofibers as robust peroxidase mimics for sensitive colorimetric detection of L-cysteine. <i>Dalton Transactions</i> , 2017, 46, 8942-8949.	3.3	47
22	Synthesis of bifunctional reduced graphene oxide/CuS/Au composite nanosheets for in situ monitoring of a peroxidase-like catalytic reaction by surface-enhanced Raman spectroscopy. <i>RSC Advances</i> , 2016, 6, 54456-54462.	3.6	45
23	Nanohollow Carbon for Rechargeable Batteries: Ongoing Progresses and Challenges. <i>Nano-Micro Letters</i> , 2020, 12, 183.	27.0	45
24	Fabrication of poly(o-phenylenediamine)/reduced graphene oxide composite nanosheets via microwave heating and their effective adsorption of lead ions. <i>Applied Surface Science</i> , 2014, 307, 601-607.	6.1	43
25	Electrospun One-Dimensional Electrocatalysts for Oxygen Reduction Reaction: Insights into Structure-Activity Relationship. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37961-37978.	8.0	43
26	Rational design of electrospun nanofiber-typed electrocatalysts for water splitting: A review. <i>Chemical Engineering Journal</i> , 2022, 428, 131133.	12.7	42
27	Growth of polyaniline thorns on hybrid electrospun CNFs with nickel nanoparticles and graphene nanosheets as binder-free electrodes for high-performance supercapacitors. <i>Applied Surface Science</i> , 2018, 458, 389-396.	6.1	41
28	A one-pot synthesis of a highly dispersed palladium/polypyrrole/polyacrylonitrile nanofiber membrane and its recyclable catalysis in hydrogen generation from ammonia borane. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6740-6746.	10.3	35
29	Nitrogen-doped carbon networks derived from the electrospun polyacrylonitrile@branched polyethylenimine nanofibers as flexible supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2019, 808, 151737.	5.5	35
30	Sacrificial template-assisted fabrication of palladium hollow nanocubes and their application in electrochemical detection toward hydrogen peroxide. <i>Electrochimica Acta</i> , 2013, 99, 145-151.	5.2	34
31	Synergistic effect of ternary electrospun TiO ₂ /Fe ₂ O ₃ /PPy composite nanofibers on peroxidase-like mimics with enhanced catalytic performance. <i>RSC Advances</i> , 2016, 6, 31107-31113.	3.6	34
32	Synthesis of RGO/Cu ₈ S ₅ /PPy Composite Nanosheets with Enhanced Peroxidase-Like Activity for Sensitive Colorimetric Detection of H ₂ O ₂ and Phenol. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600233.	2.3	33
33	General synthesis of hierarchical C/MO _x @MnO ₂ (M = Mn, Cu, Co) composite nanofibers for high-performance supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 235-244.	9.4	33
34	Self-Assembly Fabrication of Coaxial Te@poly(3,4-ethylenedioxythiophene) Nanocables and Their Conversion to Pd@poly(3,4-ethylenedioxythiophene) Nanocables with a High Peroxidase-like Activity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1041-1049.	8.0	32
35	Reactive Template Synthesis of Inorganic/Organic VO ₂ @Polyaniline Coaxial Nanobelts for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 1095-1100.	3.4	30
36	Hierarchical CNFs/MnCo ₂ O _{4.5} nanofibers as a highly active oxidase mimetic and its application in biosensing. <i>Nanotechnology</i> , 2017, 28, 485708.	2.6	30

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37	Fabrication of conducting polymer/noble metal composite nanorings and their enhanced catalytic properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 83-86.	10.3	29
38	CoO _x nanoparticles embedded in porous graphite carbon nanofibers derived from electrospun polyacrylonitrile@polypyrrole core-shell nanostructures for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 54693-54701.	3.6	29
39	Reversible photochromic nanofibrous membranes with excellent water/windproof and breathable performance. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46342.	2.6	27
40	Fiber-in-tube and particle-in-tube hierarchical nanostructures enable high energy density of MnO ₂ -based asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 543-551.	9.4	20
41	One-Pot Rational Deposition of Coaxial Double-Layer MnO ₂ /Ni(OH) ₂ Nanosheets on Carbon Nanofibers for High-Performance Supercapacitors. <i>Advanced Fiber Materials</i> , 2022, 4, 1129-1140.	16.1	20
42	Polydopamine-derived carbon layer anchoring NiCoP nanowire arrays for high-performance binder-free supercapacitor and electrocatalytic hydrogen evolution. <i>SusMat</i> , 2022, 2, 646-657.	14.9	19
43	Seed-assisted synthesis of hierarchical manganese dioxide/carbonaceous sphere composites with enhanced supercapacitor performance. <i>Electrochimica Acta</i> , 2015, 180, 1033-1040.	5.2	18
44	Poly(aryl ether ketone) composite membrane as a high-performance lithium-ion batteries separator. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2714-2721.	2.3	18
45	One-dimensional polyaniline thorn/BiOCl chip heterostructures: self-sacrificial template-induced synthesis and electrochemical performance. <i>Materials Chemistry Frontiers</i> , 2017, 1, 859-866.	5.9	15
46	Ultrahigh Active Pd Nanocatalyst Supported on Core-Sheath Conducting Polymer/Metal Oxide Composite Nanorods. <i>Catalysis Letters</i> , 2012, 142, 566-572.	2.6	11
47	Encapsulating Oxygen-Deficient TiNb ₂₄ O ₆₂ Microspheres by N-Doped Carbon Nanolayer Boosts Capacity and Stability of Lithium-ion Battery. <i>Batteries and Supercaps</i> , 2020, 3, 1360-1369.	4.7	10
48	Vanadium/cobalt oxides-anchored flexible carbon nanofibers with tunable magnetism as recoverable peroxidase-like catalysts. <i>Materials Today Chemistry</i> , 2021, 22, 100568.	3.5	9
49	Solvent-free two-component electrospinning of ultrafine polymer fibers. <i>New Journal of Chemistry</i> , 2018, 42, 11739-11745.	2.8	6
50	One-Pot Synthesis of Palladium Hollow Nanospheres and Their Enhanced Electrocatalytic Properties. <i>ChemPlusChem</i> , 2013, 78, 522-527.	2.8	5