

Yibing Xie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9445236/publications.pdf>

Version: 2024-02-01

103
papers

4,321
citations

87888

38
h-index

133252

59
g-index

103
all docs

103
docs citations

103
times ranked

4045
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light responsive cerium ion modified titania sol and nanocrystallites for X-3B dye photodegradation. <i>Applied Catalysis B: Environmental</i> , 2003, 46, 251-259.	20.2	282
2	Electrochemical supercapacitor performance of boron and nitrogen co-doped porous carbon nanowires. <i>Journal of Power Sources</i> , 2018, 400, 264-276.	7.8	117
3	Enhanced electrochemical performance of polyaniline/carbon/titanium nitride nanowire array for flexible supercapacitor. <i>Journal of Power Sources</i> , 2015, 286, 561-570.	7.8	116
4	Photoelectrochemical application of nanotubular titania photoanode. <i>Electrochimica Acta</i> , 2006, 51, 3399-3406.	5.2	103
5	Photocatalysis of neodymium ion modified TiO ₂ sol under visible light irradiation. <i>Applied Surface Science</i> , 2004, 221, 17-24.	6.1	99
6	Electrochemical capacitance performance of titanium nitride nanoarray. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 1443-1451.	3.5	97
7	Electrochemical capacitance of a carbon quantum dots-polypyrrole/titania nanotube hybrid. <i>RSC Advances</i> , 2015, 5, 89689-89697.	3.6	97
8	Supercapacitor application of nickel oxide-titania nanocomposites. <i>Composites Science and Technology</i> , 2009, 69, 2108-2114.	7.8	96
9	Fabrication of nickel oxide-embedded titania nanotube array for redox capacitance application. <i>Electrochimica Acta</i> , 2008, 53, 3643-3649.	5.2	95
10	Photosensitized and photocatalyzed degradation of azo dye using Ln ³⁺ -TiO ₂ sol in aqueous solution under visible light irradiation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 117, 325-333.	3.5	94
11	Enhanced electrochemical performance of carbon quantum dots-polyaniline hybrid. <i>Journal of Power Sources</i> , 2017, 337, 54-64.	7.8	94
12	Electrochemical capacitance of polypyrrole-titanium nitride and polypyrrole-titania nanotube hybrids. <i>New Journal of Chemistry</i> , 2014, 38, 1284.	2.8	85
13	Electrochemical flexible supercapacitor based on manganese dioxide-titanium nitride nanotube hybrid. <i>Electrochimica Acta</i> , 2014, 120, 273-283.	5.2	83
14	Capacitive performance of molybdenum nitride/titanium nitride nanotube array for supercapacitor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 215, 64-70.	3.5	77
15	Bioelectrocatalytic application of titania nanotube array for molecule detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2812-2818.	10.1	75
16	Supercapacitive performance of CoMoO ₄ with oxygen vacancy porous nanosheet. <i>Electrochimica Acta</i> , 2020, 330, 135334.	5.2	74
17	A high-performance asymmetric supercapacitor electrode based on a three-dimensional ZnMoO ₄ /CoO nanohybrid on nickel foam. <i>Nanoscale</i> , 2019, 11, 13639-13649.	5.6	69
18	Electroactive FeS ₂ -modified MoS ₂ nanosheet for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020, 824, 153936.	5.5	65

#	ARTICLE	IF	CITATIONS
19	Characterization and photocatalysis of Eu ³⁺ -TiO ₂ sol in the hydrosol reaction system. <i>Materials Research Bulletin</i> , 2004, 39, 533-543.	5.2	62
20	Covalently immobilized biosensor based on gold nanoparticles modified TiO ₂ nanotube arrays. <i>Journal of Electroanalytical Chemistry</i> , 2011, 650, 241-247.	3.8	62
21	Photocatalytic degradation of X-3B dye by visible light using lanthanide ion modified titanium dioxide hydrosol system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 252, 87-94.	4.7	60
22	SERS activity of self-cleaning silver/titania nanoarray. <i>Applied Surface Science</i> , 2014, 313, 549-557.	6.1	60
23	Electrochemical Performance of Transition Metal-Coordinated Polypyrrole: A Mini Review. <i>Chemical Record</i> , 2019, 19, 2370-2384.	5.8	58
24	Supercapacitance performance of polypyrrole/titanium nitride/polyaniline coaxial nanotube hybrid. <i>Journal of Alloys and Compounds</i> , 2016, 665, 323-332.	5.5	56
25	Enhanced capacitive performance of CoO-modified NiMoO ₄ nanohybrid as advanced electrodes for asymmetric supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 791, 152-165.	5.5	55
26	SERS performance of graphene oxide decorated silver nanoparticle/titania nanotube array. <i>RSC Advances</i> , 2014, 4, 41734-41743.	3.6	54
27	Porous poly(3,4-ethylenedioxythiophene) nanoarray used for flexible supercapacitor. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 163-172.	4.4	54
28	Electrochemical capacitance performance of polypyrrole-titania nanotube hybrid. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 2683-2689.	2.5	49
29	Glucose biosensor based on glucose oxidase immobilized on unhybridized titanium dioxide nanotube arrays. <i>Mikrochimica Acta</i> , 2014, 181, 381-387.	5.0	49
30	Fabrication and supercapacitor behavior of phosphomolybdic acid/polyaniline/titanium nitride core-shell nanowire array. <i>New Journal of Chemistry</i> , 2017, 41, 335-346.	2.8	49
31	Electrochemical cycling stability of nickel (II) coordinated polyaniline. <i>Synthetic Metals</i> , 2018, 237, 29-39.	3.9	47
32	Ternary nanocomposite of polyaniline/manganese dioxide/titanium nitride nanowire array for supercapacitor electrode. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	46
33	Photoelectrochemical behavior of titania nanotube array grown on nanocrystalline titanium. <i>Journal of Materials Science</i> , 2009, 44, 2907-2915.	3.7	45
34	Titanium dioxide nanotube arrays modified with a nanocomposite of silver nanoparticles and reduced graphene oxide for electrochemical sensing. <i>Mikrochimica Acta</i> , 2014, 181, 1325-1331.	5.0	45
35	Phosphomolybdic acid cluster bridging carbon dots and polyaniline nanofibers for effective electrochemical energy storage. <i>Journal of Materials Science</i> , 2019, 54, 4842-4858.	3.7	42
36	Fabrication and electrochemical capacitance of polyaniline/titanium nitride core-shell nanowire arrays. <i>Synthetic Metals</i> , 2014, 192, 93-100.	3.9	41

#	ARTICLE	IF	CITATIONS
37	Electrochemical capacitance performance of polyaniline/tin oxide nanorod array for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1675-1685.	2.5	41
38	Enhanced capacitive performance of activated carbon paper electrode material. <i>Journal of Materials Research</i> , 2019, 34, 2472-2481.	2.6	41
39	Preparation and capacitance performance of polyaniline/titanium nitride nanotube hybrid. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 1225-1233.	2.9	38
40	Supercapacitance of ruthenium oxide deposited on titania and titanium substrates. <i>Materials Chemistry and Physics</i> , 2010, 122, 23-29.	4.0	37
41	Preparation and electrochemical capacitance of graphene/titanium nitride nanotube array. <i>RSC Advances</i> , 2014, 4, 41856-41863.	3.6	37
42	Preparation of carbon-coated lithium iron phosphate/titanium nitride for a lithium-ion supercapacitor. <i>New Journal of Chemistry</i> , 2015, 39, 604-613.	2.8	37
43	Preparation and Supercapacitor Performance of Freestanding Polypyrrole/Polyaniline Coaxial Nanoarrays. <i>Energy Technology</i> , 2016, 4, 714-721.	3.8	37
44	Enhancement of electrochemical performance of cobalt (II) coordinated polyaniline: A combined experimental and theoretical study. <i>Electrochimica Acta</i> , 2020, 338, 135881.	5.2	36
45	Electrochemical Performance of Manganese Coordinated Polyaniline. <i>Advanced Electronic Materials</i> , 2019, 5, 1900816.	5.1	35
46	Excessive nitrogen doping of tin dioxide nanorod array grown on activated carbon fibers substrate for wire-shaped microsupercapacitor. <i>Chemical Engineering Journal</i> , 2019, 378, 122064.	12.7	35
47	Enhanced electrochemical stability of carbon quantum dots-incorporated and ferrous-coordinated polypyrrole for supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2515-2529.	2.5	34
48	Improved electrochemical stability of $\text{Ni}_x\text{Co}_{2-x}(\text{OH})_6/\text{NiCo}_2\text{O}_4$ electrode material. <i>Journal of Alloys and Compounds</i> , 2018, 731, 903-913.	5.5	34
49	Capacitance performance of carbon paper supercapacitor using redox-mediated gel polymer electrolyte. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 760-772.	2.4	34
50	Theoretical and Experimental Comparison of Electrical Properties of Nickel(II) Coordinated and Protonated Polyaniline. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18232-18239.	3.1	34
51	Preparation of a flexible polypyrrole nanoarray and its capacitive performance. <i>Materials Letters</i> , 2014, 132, 417-420.	2.6	33
52	Electrochemical performance of polyaniline-derived nitrogen-doped carbon nanowires. <i>Electrochimica Acta</i> , 2018, 283, 1618-1631.	5.2	33
53	Electrochemical performance of carbon paper supercapacitor using sodium molybdate gel polymer electrolyte and nickel molybdate electrode. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1911-1927.	2.5	33
54	Electrochemical capacitance of porous reduced graphene oxide/nickel foam. <i>Journal of Porous Materials</i> , 2015, 22, 403-412.	2.6	31

#	ARTICLE	IF	CITATIONS
55	Enhanced electrochemical stability of CuCo bimetallic-coordinated polypyrrole. <i>Electrochimica Acta</i> , 2018, 290, 419-428.	5.2	31
56	Electrochemical biosensing based on polypyrrole/titania nanotube hybrid. <i>Materials Science and Engineering C</i> , 2013, 33, 5028-5035.	7.3	30
57	Electronic structure and electrochemical performance of CoS ₂ /MoS ₂ nanosheet composite: Simulation calculation and experimental investigation. <i>Electrochimica Acta</i> , 2020, 364, 137224.	5.2	30
58	Electrochemical performance of hybrid membrane of polyaniline layer/full carbon layer coating on nickel foam. <i>Progress in Organic Coatings</i> , 2020, 139, 105455.	3.9	29
59	Transparent TiO ₂ sol nanocrystallites mediated homogeneous-like photocatalytic reaction and hydrosol recycling process. <i>Journal of Materials Science</i> , 2005, 40, 6375-6383.	3.7	28
60	Electrochemical performance of RuO ₂ -TiO ₂ nanotube hybrid electrode material. <i>Materials Research Express</i> , 2019, 6, 125550.	1.6	28
61	Activation of carbon fiber for enhancing electrochemical performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3583-3597.	6.0	28
62	Photocatalytic activity and recycle application of titanium dioxide sol for X-3B photodegradation. <i>Journal of Molecular Catalysis A</i> , 2003, 206, 419-428.	4.8	27
63	Enhanced photoelectrochemical current response of titania nanotube array. <i>Materials Letters</i> , 2006, 60, 3558-3560.	2.6	27
64	Electrochemical and Hydrothermal Activation of Carbon Fiber Supercapacitor Electrode. <i>Fibers and Polymers</i> , 2022, 23, 10-17.	2.1	27
65	Interface Mo-N coordination bonding MoS _x Ny@Polyaniline for stable structured supercapacitor electrode. <i>Electrochimica Acta</i> , 2021, 391, 138953.	5.2	27
66	Study on the Binding Characteristic of S-Naproxen Imprinted Polymer and the Interactions between Templates and Monomers. <i>Journal of Analytical Chemistry</i> , 2004, 59, 939-944.	0.9	26
67	Enhanced photoelectrocatalytic performance of polyoxometalate-titania nanocomposite photoanode. <i>Applied Catalysis B: Environmental</i> , 2007, 76, 15-23.	20.2	26
68	Supercapacitance of polypyrrole/titania/polyaniline coaxial nanotube hybrid. <i>Synthetic Metals</i> , 2014, 198, 59-66.	3.9	26
69	Visible-light-driven self-cleaning SERS substrate of silver nanoparticles and graphene oxide decorated nitrogen-doped titania nanotube array. <i>Surface and Interface Analysis</i> , 2016, 48, 334-340.	1.8	26
70	S or N-monodoping and S,N-codoping effect on electronic structure and electrochemical performance of tin dioxide: Simulation calculation and experiment validation. <i>Electrochimica Acta</i> , 2020, 340, 135950.	5.2	26
71	Electrochemical performance of activated carbon fiber with hydrogen bond-induced high sulfur/nitrogen doping. <i>RSC Advances</i> , 2020, 10, 37631-37643.	3.6	24
72	Photochemical performance and electrochemical capacitance of titania nanocomplexes. <i>Materials Research Bulletin</i> , 2010, 45, 628-635.	5.2	23

#	ARTICLE	IF	CITATIONS
73	Photoelectrochemical performance of cadmium sulfide quantum dots modified titania nanotube arrays. <i>Thin Solid Films</i> , 2016, 598, 115-125.	1.8	23
74	Electrochemical performance of interspace-expanded molybdenum disulfide few-layer. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	23
75	Hydrogen bond enforced polyaniline grown on activated carbon fibers substrate for wearable bracelet supercapacitor. <i>Journal of Energy Storage</i> , 2022, 52, 105042.	8.1	23
76	Photoelectrochemical reactivity of polyoxophosphotungstates embedded in titania tubules. <i>Nanotechnology</i> , 2006, 17, 3340-3346.	2.6	22
77	Electrochemical capacitance of titanium nitride modified lithium titanate nanotube array. <i>Journal of Alloys and Compounds</i> , 2017, 725, 1-13.	5.5	22
78	Capacitive performance of ruthenium-coordinated polypyrrole. <i>New Journal of Chemistry</i> , 2017, 41, 10312-10323.	2.8	22
79	Dual-defects induced band edge reconstruction of tin dioxide via cobalt and nitrogen Co-Doping for wearable supercapacitor application. <i>Journal of Power Sources</i> , 2021, 493, 229685.	7.8	21
80	Photocatalytic and photoelectrochemical performance of crystallized titanium dioxide sol with neodymium ion modification. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 954-963.	3.2	20
81	Fabrication and electrochemical properties of flow-through polypyrrole and polypyrrole/polypyrrole nanoarrays. <i>Chemical Papers</i> , 2021, 75, 1831-1840.	2.2	20
82	Experimental and computational investigation of Cu ²⁺ /N coordination bond strengthened polyaniline for stable energy storage. <i>Journal of Materials Science</i> , 2021, 56, 10135-10153.	3.7	20
83	Synthesis and capacitance performance of MnO ₂ /RGO double-shelled hollow microsphere. <i>Journal of Materials Research</i> , 2016, 31, 1423-1432.	2.6	19
84	Capacitive Performance of Reduced Graphene Oxide Modified Sodium Ion-Intercalated Manganese Oxide Composite Electrode. <i>Journal of Electrochemical Energy Conversion and Storage</i> , 2021, 18, .	2.1	19
85	Photoelectrocatalysis reactivity of independent titania nanotubes. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1281-1291.	2.9	18
86	Synthesis and electrochemical performance of an electroactive nitrogen-doping SnO ₂ nanoarray supported on carbon fiber. <i>Journal of Chemical Research</i> , 2021, 45, 738-746.	1.3	17
87	Preparation and capacitance performance of nitrated lithium titanate nanoarrays. <i>Ceramics International</i> , 2016, 42, 9717-9727.	4.8	14
88	Bioelectrocatalytic performance of glucose oxidase/nitrogen-doped titania nanotube array enzyme electrode. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1403-1412.	3.2	14
89	Capacitive Behavior of Sodium Ion Pre-Intercalation Manganese Dioxide Supported on Titanium Nitride Substrate. <i>Nano</i> , 2020, 15, 2050152.	1.0	14
90	Fabrication and charge storage capacitance of PPY/TiO ₂ /PPY jacket nanotube array. <i>Journal of Polymer Engineering</i> , 2021, 41, 137-143.	1.4	14

#	ARTICLE	IF	CITATIONS
91	Electrochemical Performance of Polyaniline Support on Electrochemical Activated Carbon Fiber. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1949-1955.	2.5	14
92	Electrochemical performance of the homologous molybdenum(Mo) redox-active gel polymer electrolyte system. <i>New Journal of Chemistry</i> , 2021, 45, 3418-3431.	2.8	12
93	Electrochemical investigation of free-standing reduced graphene oxide hydrogel. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022, 30, 619-625.	2.1	12
94	Electrochemical properties of sodium manganese oxide/nickel foam supercapacitor electrode material. <i>Inorganic and Nano-Metal Chemistry</i> , 2022, 52, 548-555.	1.6	10
95	Photoelectrochemical performance of tubewall-separated titanium dioxide nanotube array photoelectrode. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2688.	1.5	10
96	Fabrication of Highly Ordered Ag/TiO. <i>Australian Journal of Chemistry</i> , 2021, 74, 715-721.	0.9	9
97	Microstructure promoted photosensitization activity of dye-titania/titanium composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008, 39, 690-696.	7.6	8
98	Preparation and capacitive properties of lithium manganese oxide intercalation compound. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	8
99	Fabrication and electrochemical performance of nickel oxide nanoparticles anchored titanium dioxide nanotube array hybrid electrode. <i>Functional Materials Letters</i> , 2020, 13, 2051017.	1.2	4
100	Enhancement effect of silver nanoparticles decorated titania nanotube array acting as active SERS substrate. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-7.	1.6	3
101	Fabrication and electrical double-layer capacitance performance of interconnected and independent titania nanotube array. <i>Materials Research Innovations</i> , 2021, 25, 8-15.	2.3	2
102	Preparation and electrochemical performance of chemical-activated carbon foam. <i>Micro and Nano Letters</i> , 2021, 16, 164-170.	1.3	2
103	Preparation and capacitance performance of few-layer graphene. <i>Materials Research Innovations</i> , 2022, 26, 382-388.	2.3	1