

# Shanxin Xiong

## List of Publications by Year in descending order

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60  
papers

1,333  
citations

304368

22  
h-index

360668

35  
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61  
all docs

61  
docs citations

61  
times ranked

1196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalently Bonded Polyaniline-TiO <sub>2</sub> Hybrids: A Facile Approach to Highly Stable Anodic Electrochromic Materials with Low Oxidation Potentials. <i>Chemistry of Materials</i> , 2010, 22, 255-260.	3.2	118
2	Water-Processable Polyaniline with Covalently Bonded Single-Walled Carbon Nanotubes: Enhanced Electrochromic Properties and Impedance Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 782-788.	4.0	94
3	Covalently bonded polyaniline/fullerene hybrids with coral-like morphology for high-performance supercapacitor. <i>Electrochimica Acta</i> , 2012, 85, 235-242.	2.6	79
4	Hydrothermal synthesis of NiCo-based bimetal-organic frameworks as electrode materials for supercapacitors. <i>Journal of Solid State Chemistry</i> , 2019, 270, 370-378.	1.4	74
5	Star-like polyaniline prepared from octa(aminophenyl) silsesquioxane: Enhanced electrochromic contrast and electrochemical stability. <i>Electrochimica Acta</i> , 2008, 53, 3523-3530.	2.6	59
6	Preparation of High-performance Covalently Bonded Polyaniline Nanorods/Graphene Supercapacitor Electrode Materials using Interfacial Copolymerization Approach. <i>Electrochimica Acta</i> , 2014, 127, 139-145.	2.6	55
7	Enhancement of Electrochromic Contrast by Tethering Conjugated Polymer Chains onto Polyhedral Oligomeric Silsesquioxane Nanocages. <i>Macromolecular Rapid Communications</i> , 2007, 28, 281-285.	2.0	52
8	Covalent bonding of polyaniline on fullerene: Enhanced electrical, ionic conductivities and electrochromic performances. <i>Electrochimica Acta</i> , 2012, 67, 194-200.	2.6	48
9	Enhancing the electrochromic properties of polyaniline via coordinate bond tethering the polyaniline with gold colloids. <i>Solar Energy Materials and Solar Cells</i> , 2018, 177, 134-141.	3.0	39
10	A complementary electrochromic device based on polyaniline-tethered polyhedral oligomeric silsesquioxane and tungsten oxide. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 625-629.	3.0	38
11	Covalently Bonded Polyaniline and para-phenylenediamine Functionalized Graphene Oxide: How the Conductive Two-dimensional Nanostructure Influences the Electrochromic Behaviors of Polyaniline. <i>Electrochimica Acta</i> , 2014, 138, 101-108.	2.6	38
12	Hydrothermal synthesis of Ni-based metal organic frameworks/graphene oxide composites as supercapacitor electrode materials. <i>Journal of Materials Research</i> , 2020, 35, 1439-1450.	1.2	33
13	A complementary electrochromic device based on polyaniline tethered polyhedral oligomeric silsesquioxane and poly(3,4-ethylenedioxythiophene)/poly(4-styrene sulfonic acid). <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2113-2117.	3.0	32
14	Synthesis and capacitance properties of N-doped porous carbon/NiO nanosheet composites using coal-based polyaniline as carbon and nitrogen source. <i>Applied Surface Science</i> , 2018, 442, 565-574.	3.1	31
15	Solvothermal synthesis of triphenylamine-based covalent organic framework nanofibers with excellent cycle stability for supercapacitor electrodes. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51510.	1.3	30
16	Hydrothermal Synthesis of Porous Sugarcane Bagasse Carbon/MnO <sub>2</sub> Nanocomposite for Supercapacitor Application. <i>Journal of Electronic Materials</i> , 2018, 47, 6575-6582.	1.0	29
17	Electrochromic properties of Prussian Blue nanocube film directly grown on FTO substrates by hydrothermal method. <i>Materials Letters</i> , 2020, 258, 126782.	1.3	28
18	Hydrothermal Synthesis of NiCo-layered Double Hydroxide Nanosheets Decorated on Biomass Carbon Skeleton for High Performance Supercapacitor. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 772-777.	1.3	28

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19	Synthesis and Performance of Highly Stable Star-Shaped Polyaniline Electrochromic Materials with Triphenylamine Core. <i>Journal of Electronic Materials</i> , 2018, 47, 1167-1175.	1.0	27
20	Towards modulating the colour hues of isoindigo-based electrochromic polymers through variation of thiophene-based donor groups. <i>Polymer Chemistry</i> , 2022, 13, 967-981.	1.9	27
21	Polyaniline nanoparticles doped with star-like poly(styrene sulfonate): Synthesis and electrochromic properties. <i>Solar Energy Materials and Solar Cells</i> , 2012, 99, 141-147.	3.0	26
22	Hydrothermal synthesis of PANI nanowires for high-performance supercapacitor. <i>High Performance Polymers</i> , 2020, 32, 258-267.	0.8	25
23	Preparation of covalently bonded polyaniline nanofibers/carbon nanotubes supercapacitor electrode materials using interfacial polymerization approach. <i>Journal of Polymer Research</i> , 2019, 26, 1.	1.2	24
24	Design and Synthesis of N-Doped Carbon Skeleton Assembled by Carbon Nanotubes and Graphene as a High-Performance Electrode Material for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 7731-7742.	2.5	22
25	Enhancing the electrochromic performances of polyaniline film through incorporating polyaniline nanofibers synthesized by interfacial polymerization approach. <i>Polymer Bulletin</i> , 2018, 75, 3427-3443.	1.7	20
26	Hydrangea-like NiCo-based Bimetal-organic Frameworks, and their Pros and Cons as Supercapacitor Electrode Materials in Aqueous Electrolytes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 1022-1030.	0.6	20
27	Covalently bonded polyaniline-reduced graphene oxide/single-walled carbon nanotubes nanocomposites: influence of various dimensional carbon nanostructures on the electrochromic behavior of PANI. <i>Polymer Journal</i> , 2020, 52, 783-792.	1.3	16
28	Assembly of Copper Phthalocyanine on TiO <sub>2</sub> Nanorod Arrays as Co-catalyst for Enhanced Photoelectrochemical Water Splitting. <i>Frontiers in Chemistry</i> , 2019, 7, 334.	1.8	14
29	Facile fabrication of WO <sub>3</sub> crystalline nanoplate on FTO glass and their application in electrochromism. <i>Micro and Nano Letters</i> , 2016, 11, 749-752.	0.6	13
30	Hydrothermal Synthesis of Humate-layer-based Bimetal Organic Framework Composites as High Rate-capability and Energy-density Electrode Materials for Supercapacitors. <i>ChemistrySelect</i> , 2020, 5, 2794-2804.	0.7	13
31	Electrochromic Behaviors of Water-Soluble Polyaniline with Covalently Bonded Acetyl Ferrocene. <i>Journal of Electronic Materials</i> , 2018, 47, 3974-3982.	1.0	12
32	Hydrothermal synthesis of high specific capacitance electrode material using porous bagasse biomass carbon hosting MnO <sub>2</sub> nanospheres. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1325-1334.	2.9	12
33	One-pot hydrothermal synthesis of polyaniline nanofibers/reduced graphene oxide nanocomposites and their supercapacitive properties. <i>High Performance Polymers</i> , 2019, 31, 1238-1247.	0.8	12
34	A novel PANI@Carbon dot hybrid with enhanced electrochemical and electrochromic properties. <i>Materials Letters</i> , 2020, 275, 128081.	1.3	11
35	Preparation of hierarchical porous activated carbons for high performance supercapacitors from coal gasification fine slag. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14722-14734.	1.1	11
36	Tailoring carbon nanotubes surface with maleic anhydride for highly dispersed PtRu nanoparticles and their electrocatalytic oxidation of methanol. <i>RSC Advances</i> , 2015, 5, 16986-16992.	1.7	10

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37	Postcomposition Preparation and Supercapacitive Properties of Polyaniline Nanotube/Graphene Oxide Composites with Interfacial Electrostatic Interaction. <i>Journal of Electronic Materials</i> , 2020, 49, 4076-4084.	1.0	10
38	Solvothermal synthesis and enhanced electrochromic properties of covalent organic framework/functionalized carbon nanotubes composites electrochromic materials with anthraquinonoid active unit. <i>Solar Energy Materials and Solar Cells</i> , 2022, 235, 111489.	3.0	10
39	Water-dispersible polyaniline-carbon nanotubes composites with interface covalent bond and their enhanced electrochemical and electrochromic properties. <i>Polymer Engineering and Science</i> , 2020, 60, 2204-2213.	1.5	9
40	Ultralow Ash Semicool Powder Obtained by Two-Step Acid Treatment and Its Supercapacitive Properties. <i>Energy &amp; Fuels</i> , 2020, 34, 7591-7599.	2.5	8
41	Electrochemical fabrication of polyaniline/graphene paper (PANI/GP) supercapacitor electrode materials on free-standing flexible graphene paper. <i>High Performance Polymers</i> , 2021, 33, 1124-1131.	0.8	8
42	Modulating the Electrochromic Performances of Transmissive and Reflective Devices Using N,N-Dimethyl Formamide Modified Poly(3,4-Ethylendioxythiophene)/Poly(Styrene Sulfonate) Blend as Active Layers. <i>Journal of Macromolecular Science - Physics</i> , 2015, 54, 799-810.	0.4	7
43	Enhancing the Electrochromic Properties of Polyaniline through Incorporating Terpyridine Units and Coordination Bonding with Transition Metal Ions. <i>ChemistrySelect</i> , 2019, 4, 14343-14350.	0.7	7
44	Comparative study on the supercapacitive properties of PANI nanofibers, nanotubes, and nanospheres. <i>High Performance Polymers</i> , 2020, 32, 600-608.	0.8	6
45	Covalent Bonding of PANI and p-Phenylenediamine-Functionalized GO Using N,N-dicyclohexylcarbodiimide as Dehydrating Agent for Electrochromic Applications. <i>ChemistrySelect</i> , 2019, 4, 543-550.	0.7	5
46	Electrochemical Preparation of Covalently Bonded PEDOT-Graphene Oxide Composite Electrochromic Materials Using Thiophene-methylaniline as Bridging Group. <i>ChemistrySelect</i> , 2020, 5, 12206-12212.	0.7	5
47	Colorful superhydrophobic materials with durability and chemical stability based on kaolin. <i>Surface and Interface Analysis</i> , 2021, 53, 365-373.	0.8	5
48	Prussian Blue and Carbon-Dot Hybrids for Enhanced Electrochromic Performance. <i>Materials</i> , 2021, 14, 3166.	1.3	5
49	Fabrication of Flexible Graphene Paper/MnO <sub>2</sub> Composite Supercapacitor Electrode through Electrodeposition of MnO <sub>2</sub> Nanoparticles on Graphene Paper. <i>ChemistrySelect</i> , 2021, 6, 6803-6810.	0.7	5
50	Facile synthesis and capacitance properties of N-doped porous carbon/iron oxide composites through the single-step pyrolysis of coal-based polyaniline. <i>Journal of Porous Materials</i> , 2018, 25, 845-853.	1.3	4
51	Simultaneous Preparation of Polyaniline Nanofibers/Manganese Dioxide Composites at the Interface of Oil/Water for Supercapacitive Application. <i>Journal of Electronic Materials</i> , 2019, 48, 6666-6674.	1.0	4
52	Electrochemical Synthesis of Covalently Bonded Poly(3,4-dioxyethylthiophene)-Carbon Nanotubes Composite with Enhanced Electrochromic Properties. <i>Journal of Electronic Materials</i> , 2021, 50, 2389-2399.	1.0	4
53	Interfacial polymerization of poly(2,5-dimethoxyaniline) and its enhanced capacitive performances. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	2
54	Effects of low-temperature annealing on capacitance performances of NiCo-based bimetal-organic framework materials synthesized in various solvents. <i>Materials Letters</i> , 2020, 268, 127608.	1.3	2

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55	An Enhanced Activity and High Stability PtCo/N-Doped Carbon Skeleton Electrocatalyst Derived from UiO-ZIF-67 Template for Methanol Oxidation. ChemistrySelect, 2021, 6, 6973-6985.	0.7	2
56	A highly active and durable PtCoFe/nitrogen-incorporated carbon skeleton catalyst evolved from HA-CoFe-ZIF template for methanol electrooxidation. Ionics, 2022, 28, 3379-3388.	1.2	2
57	Synthesis of N-Doped Porous Carbon/Carbon Micro-Nanotubes/Ni <sub>x</sub> Co <sub>y</sub> O <sub>z</sub> Nanosheets as a High-Capacity Electrode Material for Supercapacitors. ChemistrySelect, 2021, 6, 8379-8390.	0.7	1
58	Facile synthesis method of poly(3,5-dimethoxyaniline) hollow microsphere through interfacial polymerisation approach using camphorsulfonic acid as the doping agent. Micro and Nano Letters, 2015, 10, 645-648.	0.6	0
59	Preparation and Evaluation of the Supercapacitive Performance of MnO <sub>2</sub> /3D-reduced Graphene Oxide Aerogel Composite Electrode Through In Situ Electrochemical Deposition. Journal of Electronic Materials, 2021, 50, 4557-4566.	1.0	0
60	High specific surface area triphenylamine-based covalent organic framework/polyaniline nanocomposites for supercapacitor application. High Performance Polymers, 0, , 095400832211012.	0.8	0