

# Xiaofeng Wang

## List of Publications by Year in descending order

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71  
papers

2,008  
citations

236925

25  
h-index

265206

42  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Rhodamine-B from aqueous solution using treated rice husk-based activated carbon. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 446, 1-7.	4.7	202
2	Hierarchical porous carbon derived from lignin for high performance supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 518-527.	4.7	135
3	Rice husk-based hierarchical porous carbon for high performance supercapacitors: The structure-performance relationship. <i>Carbon</i> , 2020, 161, 432-444.	10.3	121
4	Controlled growth of mesoporous ZnCo <sub>2</sub> O <sub>4</sub> nanosheet arrays on Ni foam as high-rate electrodes for supercapacitors. <i>RSC Advances</i> , 2013, 4, 2393-2397.	3.6	85
5	Highly Selective and Efficient Rearrangement of Biomass-Derived Furfural to Cyclopentanone over Interface-Active Ru/Carbon Nanotubes Catalyst in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 744-751.	6.7	83
6	Preparation and performance of lignin-phenol-formaldehyde adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2016, 64, 163-167.	2.9	74
7	Self-templating Synthesis of 3D Hollow Tubular Porous Carbon Derived from Straw Cellulose Waste with Excellent Performance for Supercapacitors. <i>ChemSusChem</i> , 2019, 12, 1390-1400.	6.8	68
8	Au/CNTs catalyst for highly selective hydrodeoxygenation of vanillin at the water/oil interface. <i>RSC Advances</i> , 2014, 4, 31932-31936.	3.6	65
9	Biomass porous carbon derived from jute fiber as anode materials for lithium-ion batteries. <i>Diamond and Related Materials</i> , 2019, 98, 107514.	3.9	63
10	Nickel foam supported mesoporous NiCo <sub>2</sub> O <sub>4</sub> arrays with excellent methanol electro-oxidation performance. <i>New Journal of Chemistry</i> , 2015, 39, 6491-6497.	2.8	61
11	A facile template-free approach for the solid-phase synthesis of CoS <sub>2</sub> nanocrystals and their enhanced storage energy in supercapacitors. <i>RSC Advances</i> , 2014, 4, 50220-50225.	3.6	60
12	Sustainable application of biomass by-products: Corn straw-derived porous carbon nanospheres using as anode materials for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2020, 243, 122644.	4.0	58
13	Biomass-based Hierarchical Porous Carbon for Supercapacitors: Effect of Aqueous and Organic Electrolytes on the Electrochemical Performance. <i>ChemSusChem</i> , 2019, 12, 5099-5110.	6.8	57
14	A facile ball milling method to produce sustainable pyrolytic rice husk bio-filler for reinforcement of rubber mechanical property. <i>Industrial Crops and Products</i> , 2019, 141, 111791.	5.2	52
15	Hydrothermal Synthesis of Cellulose-Derived Carbon Nanospheres from Corn Straw as Anode Materials for Lithium ion Batteries. <i>Nanomaterials</i> , 2019, 9, 93.	4.1	41
16	Synthesis and structure regulation of armor-wearing biomass-based porous carbon: Suppression the leakage current and self-discharge of supercapacitors. <i>Carbon</i> , 2022, 196, 136-145.	10.3	41
17	A novel route for preparation of high-performance porous carbons from hydrochars by KOH activation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 447, 183-187.	4.7	40
18	Self-assembled lignin-silica hybrid material derived from rice husks as the sustainable reinforcing fillers for natural rubber. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 410-416.	7.5	38

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19	Enhanced photocatalytic activities of Nd-doped TiO <sub>2</sub> under visible light using a facile sol-gel method. <i>Journal of Rare Earths</i> , 2020, 38, 148-156.	4.8	36
20	Modification of renewable resources-lignin-by three chemical methods and its applications to polyurethane foams. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1089-1098.	3.2	35
21	The template effect of silica in rice husk for efficient synthesis of the activated carbon based electrode material. <i>Journal of Alloys and Compounds</i> , 2019, 789, 777-784.	5.5	35
22	Enabling the ability of Li storage at high rate as anodes by utilizing natural rice husks-based hierarchically porous SiO <sub>2</sub> /N-doped carbon composites. <i>Electrochimica Acta</i> , 2020, 359, 136933.	5.2	30
23	SiO <sub>2</sub> /C Composite Derived from Rice Husks with Enhanced Capacity as Anodes for Lithium-ion Batteries. <i>ChemistrySelect</i> , 2018, 3, 10338-10344.	1.5	28
24	Heterostructural MnO <sub>2</sub> @NiS <sub>2</sub> /Ni(OH) <sub>2</sub> materials for high-performance pseudocapacitor electrodes. <i>RSC Advances</i> , 2017, 7, 44289-44295.	3.6	26
25	Effects of MCC Content on the Structure and Performance of PLA/MCC Biocomposites. <i>Journal of Polymers and the Environment</i> , 2018, 26, 3484-3492.	5.0	26
26	<i>In situ</i> synthesis of novel biomass lignin/silica based epoxy resin adhesive from renewable resources at different pHs. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 1806-1820.	2.6	21
27	Fabrication of a Stainless-Steel-Mesh-Supported Hierarchical Fe <sub>2</sub> O <sub>3</sub> @NiCo <sub>2</sub> O <sub>4</sub> Core-Shell Tubular Array Anode for Lithium-ion Battery. <i>ChemistrySelect</i> , 2016, 1, 5569-5573.	1.5	20
28	In situ preparation of biochar coated silica material from rice husk. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 395, 157-160.	4.7	19
29	Phenol-enriched hydroxy depolymerized lignin by microwave alkali catalysis to prepare high-adhesive biomass composites. <i>Polymer Engineering and Science</i> , 2021, 61, 1463-1475.	3.1	19
30	Sustainable and recyclable synthesis of porous carbon sheets from rice husks for energy storage: A strategy of comprehensive utilization. <i>Industrial Crops and Products</i> , 2021, 170, 113724.	5.2	19
31	A renewable agricultural waste material for the synthesis of the novel thermal stability epoxy resins. <i>Polymer Engineering and Science</i> , 2014, 54, 2777-2784.	3.1	18
32	Pressure quenching: a new route for the synthesis of black phosphorus. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 669-674.	6.0	17
33	Surface Treatment Effects on the Mechanical Properties of Silica Carbon Black Reinforced Natural Rubber/Butadiene Rubber Composites. <i>Polymers</i> , 2019, 11, 1763.	4.5	17
34	Use of sustainable glucose and furfural in the synthesis of formaldehyde-free phenolic resole resins. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47733.	2.6	17
35	Preparation of Rice Husk-Based C/SiO <sub>2</sub> Composites and Their Performance as Anode Materials in Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , 2020, 49, 1081-1089.	2.2	16
36	Mechanical Properties of Silicon Carbon Black Filled Natural Rubber Elastomer. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 139-145.	2.6	15

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37	Rice Husk Lignin-Derived Porous Carbon Anode Material for Lithium-Ion Batteries. ChemistrySelect, 2019, 4, 4178-4184.	1.5	14
38	Rice husk lignin-based porous carbon and ZnO composite as an anode for high-performance lithium-ion batteries. Journal of Porous Materials, 2020, 27, 875-882.	2.6	14
39	Controllable conversion of biomass to lignin-silica hybrid nanoparticles: High-performance renewable dual-phase fillers. Waste Management, 2021, 135, 381-388.	7.4	14
40	Rapid microwave synthesis of $\gamma$ -MnO <sub>2</sub> microspheres and their electrochemical property. Journal of Materials Science: Materials in Electronics, 2013, 24, 2189-2196.	2.2	13
41	Coal Tar Electrode Pitch Modified Rice Husk Ash as Anode for Lithium Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A2425-A2430.	2.9	13
42	Extracting lignin-SiO <sub>2</sub> composites from Si-rich biomass to prepare Si/C anode materials for lithium ions batteries. Materials Chemistry and Physics, 2021, 262, 124331.	4.0	13
43	SnO <sub>2</sub> @rice husk cellulose composite as an anode for superior lithium ion batteries. New Journal of Chemistry, 2019, 43, 8755-8760.	2.8	12
44	A simple route for consecutive production of activated carbon and liquid compound fertilizer from rice husk. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 446, 90-96.	4.7	11
45	Preparation of highly phenol substituted bio-phenol-formaldehyde adhesives with enhanced bonding performance using furfural as crosslinking agent. Journal of Applied Polymer Science, 2019, 136, 46995.	2.6	11
46	High-temperature, high-pressure hydrothermal synthesis, crystal structure and photoluminescent properties, of K <sub>3</sub> [Gd <sub>1-x</sub> TbxGe <sub>3</sub> O <sub>8</sub> (OH) <sub>2</sub> ] (x = 0, 0.3, 0.1, 1). RSC Advances, 2014, 4, 26951-26955.	3.6	10
47	Preparation of carbon microspheres from lignin-urea-formaldehyde resin for application in high-performance supercapacitor. Wood Science and Technology, 2022, 56, 367-387.	3.2	10
48	$\lambda$ -NaYF <sub>4</sub> :Yb,Tm: upconversion properties by controlling the transition probabilities at the same energy level. Inorganic Chemistry Frontiers, 2016, 3, 1082-1090.	6.0	9
49	N-Enriched Porous Carbon/SiO <sub>2</sub> Composites Derived from Biomass Rice Husks for Boosting Li-Ion Storage: Insight into the Effect of N-Doping. Chemistry - A European Journal, 2021, 27, 10749-10757.	3.3	9
50	The Influence of Filler Size and Crosslinking Degree of Polymers on Mullins Effect in Filled NR/BR Composites. Polymers, 2021, 13, 2284.	4.5	9
51	Acetic Acid Assistant Hydrogenation of Graphene Sheets with Ferromagnetism. Chemical Research in Chinese Universities, 2018, 34, 344-349.	2.6	8
52	A Low-Temperature Dehydration Carbon-Fixation Strategy for Lignocellulose-Based Hierarchical Porous Carbon for Supercapacitors. ChemSusChem, 2022, 15, .	6.8	8
53	Morphology-controlled synthesis and growth mechanisms of branched $\lambda$ -MnO <sub>2</sub> nanorods via facile microwave-assisted hydrothermal method. Journal of Materials Science: Materials in Electronics, 2014, 25, 906-913.	2.2	7
54	Corn Stalks -Derived Carbon-SnO <sub>2</sub> Composite as Anodes for Lithium-Ion Batteries. ChemistrySelect, 2019, 4, 1557-1561.	1.5	7

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55	High photocatalytic activity of rutile TiO <sub>2</sub> @BiOBr composites via an in situ synthesis approach. <i>New Journal of Chemistry</i> , 2020, 44, 1905-1911.	2.8	7
56	Surface Modification of Rice Husk Ash by Ethanol-assisted Milling to Reinforce the Properties of Natural Rubber/Butadiene Rubber Composites. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 757-762.	2.6	6
57	Core-shell structured C/SiO <sub>2</sub> composites derived from Si-rich biomass as anode materials for lithium-ion batteries. <i>Ionics</i> , 2022, 28, 151-160.	2.4	6
58	Graphene grown in situ on TiO <sub>2</sub> hollow nanocrystals for advanced photocatalysis and lithium-ion batteries. <i>New Journal of Chemistry</i> , 2016, 40, 6714-6719.	2.8	5
59	HPAM@HABS induced synthesis of a labyrinth-like surface of calcite via rhombohedral lattice growth from the nanoscale. <i>CrystEngComm</i> , 2018, 20, 3445-3448.	2.6	5
60	Preparation and Application of Lignin-Based Epoxy Resin from Pulping Black Liquor. <i>ChemistrySelect</i> , 2020, 5, 3494-3502.	1.5	5
61	Surface modification of rice husk-based carbon-silica dual-phase filler by ethanol-assisted milling and its reinforcing on natural rubber. <i>Polymer Engineering and Science</i> , 2022, 62, 382-391.	3.1	5
62	High pressure flux synthesis of LaMnO <sub>3</sub> with charge ordering. <i>RSC Advances</i> , 2013, 3, 21311.	3.6	3
63	Acid Hydrolysis to Provide the Potential for Rice-Husk-Derived C/SiO <sub>2</sub> Composites for Lithium-Ion Batteries. <i>Journal of Electronic Materials</i> , 2021, 50, 4426-4432.	2.2	3
64	Carbon-Coated Rice Husk-Derived SiO <sub>2</sub> /C Composites As Anodes for Lithium-Ion Batteries: Comparison between CTEP and PVC Carbon Coatings. <i>Journal of Electronic Materials</i> , 2022, 51, 68-76.	2.2	3
65	Synthesis of LiMn <sub>2</sub> O <sub>4</sub> nano-wires via flux method and their usage as cathode material for lithium ion batteries. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 820-824.	2.6	2
66	GO.5 PAMAM dendrimers improve the kinetic stabilization and nanoscale precipitation mechanism of amorphous calcium carbonate. <i>RSC Advances</i> , 2017, 7, 45113-45120.	3.6	2
67	Effect of Rice Husk-Based Silica on the Friction Properties of High Density Polyethylene Composites. <i>Materials</i> , 2022, 15, 3191.	2.9	2
68	Self-healing behaviors of sulfobetaine polyacrylamide/chromium gel decided by viscosity and chemical compositions. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46991.	2.6	1
69	Enhanced photocatalytic performance of nitrogen-modified titanium dioxide. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 514-522.	1.6	1
70	Preparation of Al <sub>2</sub> O <sub>3</sub> @Cr <sub>2</sub> O <sub>3</sub> Solid Solutions as Buoyancy Markers and Their High-Pressure Synchrotron X-ray Diffraction Analysis. <i>Pure and Applied Geophysics</i> , 0, , 1.	1.9	0
71	PVC Coated Lignin/silica Composites Derived from Biomass Rice Husks as a High Performance Anode Material for Lithium Ion Batteries. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0