

# Xiaodong Tian

## List of Publications by Year in descending order

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48  
papers

2,539  
citations

236612

25  
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205818

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48  
docs citations

48  
times ranked

3464  
citing authors

#	ARTICLE	IF	CITATIONS
1	Converting furfural residue wastes to carbon materials for high performance supercapacitor. <i>Green Energy and Environment</i> , 2022, 7, 1270-1280.	4.7	20
2	An Adsorption-Insertion Mechanism of Potassium in Soft Carbon. <i>Small</i> , 2022, 18, e2105275.	5.2	14
3	High-performance activated carbon cathodes from green cokes for Zn-ion hybrid supercapacitors. <i>Fuel</i> , 2022, 310, 122485.	3.4	26
4	Symmetric supercapacitor operating at 1.5ÅV with combination of nanosheet-based NiMoO <sub>4</sub> microspheres and redox additive electrolyte. <i>Journal of Energy Storage</i> , 2022, 47, 103960.	3.9	12
5	Preparation and Thermal Characterization of Hollow Graphite Fibers/Paraffin Composite Phase Change Material. <i>Coatings</i> , 2022, 12, 160.	1.2	2
6	Boosting Zn-ion storage capacity of pitch coke-based activated carbon via pre-oxidation assisted KOH activation strategy. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111721.	2.2	15
7	Flexible and cross-linked carbon nanofibers based on coal liquefaction residue for high rate supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 903, 163919.	2.8	20
8	Synthesis of Carbon Nanofibers Film from Coal Liquefaction Residues: Effect of HNO <sub>3</sub> Pretreatment. <i>Energy &amp; Fuels</i> , 2022, 36, 4616-4624.	2.5	7
9	Flexible and cross-linked N, S co-doped carbon nanofiber nonwovens derived from coal liquefaction residue for high performance supercapacitors. <i>Journal of Materials Science</i> , 2022, 57, 9357-9369.	1.7	13
10	Porous CuCo <sub>2</sub> O <sub>4</sub> microtubes as a promising battery-type electrode material for high-performance hybrid supercapacitors. <i>Journal of Materiomics</i> , 2021, 7, 1358-1368.	2.8	59
11	Insight into pore structures evolution and applications in lithium-sulfur battery of pitch fractions-based activated carbons. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160067.	2.8	12
12	Co <sub>3</sub> O <sub>4</sub> porous nanorod/N-doped reduced graphene oxide composite with fast pseudocapacitive lithium storage for high-performance lithium-ion capacitors. <i>Journal of Materials Science</i> , 2021, 56, 7520-7532.	1.7	10
13	Micro/mesopore carbon spheres derived from sucrose for use in high performance supercapacitors. <i>New Carbon Materials</i> , 2021, 36, 1149-1155.	2.9	12
14	Heteroatoms in situ-doped hierarchical porous hollow-activated carbons for high-performance supercapacitor. <i>Carbon Letters</i> , 2020, 30, 331-344.	3.3	15
15	Pitch-Based Laminated Carbon Formed by Pressure Driving at Low Temperature as High-Capacity Anodes for Lithium Energy Storage Systems. <i>Chemistry - A European Journal</i> , 2020, 26, 16514-16520.	1.7	14
16	Hierarchical porous carbon microtubes derived from corn silks for supercapacitors electrode materials. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114704.	1.9	27
17	Flexible Cross-Linked Electrospun Carbon Nanofiber Mats Derived from Pitch as Dual-Functional Materials for Supercapacitors. <i>Energy &amp; Fuels</i> , 2020, 34, 14975-14985.	2.5	28
18	Electrospun Coal Liquefaction Residues/Polyacrylonitrile Composite Carbon Nanofiber Nonwoven Fabrics as High-Performance Electrodes for Lithium/Potassium Batteries. <i>Energy &amp; Fuels</i> , 2020, 34, 2445-2451.	2.5	36

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19	Cubic Cu <sub>2</sub> O on nitrogen-doped carbon shells for electrocatalytic CO <sub>2</sub> reduction to C <sub>2</sub> H <sub>4</sub> . Carbon, 2019, 146, 218-223.	5.4	56
20	Preparation and capacitive performance of modified carbon black-doped porous carbon nanofibers. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	8
21	Multi-scale biomass-based carbon microtubes decorated with Ni-Co sulphides nanoparticles for supercapacitors with high rate performance. Electrochimica Acta, 2019, 302, 78-91.	2.6	33
22	Coal Liquefaction Residues Based Carbon Nanofibers Film Prepared by Electrospinning: An Effective Approach to Coal Waste Management. ACS Sustainable Chemistry and Engineering, 2019, 7, 5742-5750.	3.2	39
23	N-doped reduced graphene oxide supported Cu <sub>2</sub> O nanocubes as high active catalyst for CO <sub>2</sub> electroreduction to C <sub>2</sub> H <sub>4</sub> . Journal of Alloys and Compounds, 2019, 785, 7-12.	2.8	63
24	Preparation of Si-based composite encapsulated by an incomplete multifunction-coating for lithium storage. Electrochimica Acta, 2019, 295, 75-81.	2.6	13
25	Structural and chemical synergistic effect of NiCo <sub>2</sub> S <sub>4</sub> nanoparticles and carbon cloth for high performance binder-free asymmetric supercapacitors. Applied Surface Science, 2019, 465, 635-642.	3.1	57
26	Two-pot synthesis of one-dimensional hierarchically porous Co <sub>3</sub> O <sub>4</sub> nanorods as anode for lithium-ion battery. Journal of Alloys and Compounds, 2018, 735, 2446-2452.	2.8	31
27	Silylated functionalized silicon-based composite as anode with excellent cyclic performance for lithium-ion battery. Journal of Power Sources, 2018, 385, 84-90.	4.0	22
28	Flexible design of gradient multilayer nanofilms coated on carbon nanofibers by atomic layer deposition for enhanced microwave absorption performance. Nano Research, 2018, 11, 530-541.	5.8	83
29	Porous worm-like NiMoO <sub>4</sub> coaxially decorated electrospun carbon nanofiber as binder-free electrodes for high performance supercapacitors and lithium-ion batteries. Applied Surface Science, 2018, 434, 49-56.	3.1	64
30	Preparation and one-step activation of nanoporous ultrafine carbon fibers derived from polyacrylonitrile/cellulose blend for used as supercapacitor electrode. Journal of Materials Science, 2018, 53, 4527-4539.	1.7	21
31	Asphaltene-Based Porous Carbon Nanosheet as Electrode for Supercapacitor. ACS Sustainable Chemistry and Engineering, 2018, 6, 15708-15719.	3.2	113
32	Rationally designed hierarchical porous CNFs/Co <sub>3</sub> O <sub>4</sub> nanofiber-based anode for realizing high lithium ion storage. RSC Advances, 2018, 8, 30794-30801.	1.7	16
33	Lignin-based hierarchical porous carbon nanofiber films with superior performance in supercapacitors. Applied Surface Science, 2018, 456, 568-576.	3.1	110
34	Hierarchically Multiporous Carbon Nanotube/Co <sub>3</sub> O <sub>4</sub> Composite as an Anode Material for High-Performance Lithium-ion Batteries. Chemistry - A European Journal, 2018, 24, 14477-14483.	1.7	25
35	Synthesis of mesoporous ribbon-shaped graphitic carbon nanofibers with superior performance as efficient supercapacitor electrodes. Electrochimica Acta, 2018, 292, 364-373.	2.6	30
36	Double Core-Shell Si@C@SiO <sub>2</sub> for Anode Material of Lithium-ion Batteries with Excellent Cycling Stability. Chemistry - A European Journal, 2017, 23, 2165-2170.	1.7	62

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37	Flexible carbon nanofiber mats with improved graphitic structure as scaffolds for efficient all-solid-state supercapacitor. <i>Electrochimica Acta</i> , 2017, 247, 1060-1071.	2.6	34
38	High capacitive performance of hollow activated carbon fibers derived from willow catkins. <i>Applied Surface Science</i> , 2017, 394, 569-577.	3.1	76
39	Activated pyrolysed bacterial cellulose as electrodes for supercapacitors. <i>Science China Chemistry</i> , 2016, 59, 713-718.	4.2	17
40	A self-assembly strategy for fabricating highly stable silicon/reduced graphene oxide anodes for lithium-ion batteries. <i>New Journal of Chemistry</i> , 2016, 40, 8961-8968.	1.4	15
41	Bio-inspired hollow activated carbon microtubes derived from willow catkins for supercapacitors with high volumetric performance. <i>Materials Letters</i> , 2016, 174, 249-252.	1.3	62
42	Preparation and electrochemical characteristics of electrospun water-soluble resorcinol/phenol-formaldehyde resin-based carbon nanofibers. <i>RSC Advances</i> , 2015, 5, 40884-40891.	1.7	15
43	Promising biomass-based activated carbons derived from willow catkins for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 166, 1-11.	2.6	386
44	Synthesis of nitrogen-doped electrospun carbon nanofibers with superior performance as efficient supercapacitor electrodes in alkaline solution. <i>Electrochimica Acta</i> , 2015, 185, 40-51.	2.6	68
45	High-performance supercapacitor electrodes based on porous flexible carbon nanofiber paper treated by surface chemical etching. <i>Chemical Engineering Journal</i> , 2014, 249, 216-225.	6.6	112
46	Exfoliated graphite as a flexible and conductive support for Si-based Li-ion battery anodes. <i>Carbon</i> , 2014, 72, 38-46.	5.4	71
47	Preparation and one-step activation of microporous carbon nanofibers for use as supercapacitor electrodes. <i>Carbon</i> , 2013, 51, 290-300.	5.4	169
48	KOH activation of carbon nanofibers. <i>Carbon</i> , 2004, 42, 1723-1729.	5.4	326