

Chunyang Nie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3921781/publications.pdf>

Version: 2024-02-01

35
papers

2,142
citations

361413

20
h-index

434195

31
g-index

35
all docs

35
docs citations

35
times ranked

2218
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on carbon-based composite materials for capacitive deionization. RSC Advances, 2015, 5, 15205-15225.	3.6	319
2	Reduced graphene oxide and activated carbon composites for capacitive deionization. Journal of Materials Chemistry, 2012, 22, 15556.	6.7	223
3	A comparative study on electrosorptive behavior of carbon nanotubes and graphene for capacitive deionization. Journal of Electroanalytical Chemistry, 2011, 653, 40-44.	3.8	220
4	Recent progress in g-C ₃ N ₄ quantum dots: synthesis, properties and applications in photocatalytic degradation of organic pollutants. Journal of Materials Chemistry A, 2020, 8, 485-502.	10.3	173
5	Insight into the effect of lignocellulosic biomass source on the performance of biochar as persulfate activator for aqueous organic pollutants remediation: Epicarp and mesocarp of citrus peels as examples. Journal of Hazardous Materials, 2020, 399, 123043.	12.4	152
6	Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. Water Research, 2019, 166, 115043.	11.3	137
7	Electrophoretic deposition of carbon nanotubes film electrodes for capacitive deionization. Journal of Electroanalytical Chemistry, 2012, 666, 85-88.	3.8	103
8	Novel two-dimensional crystalline carbon nitrides beyond g-C ₃ N ₄ : structure and applications. Journal of Materials Chemistry A, 2021, 9, 17-33.	10.3	92
9	Electrophoretic deposition of carbon nanotubes/polyacrylic acid composite film electrode for capacitive deionization. Electrochimica Acta, 2012, 66, 106-109.	5.2	85
10	Degradation of aniline by electrochemical activation of peroxydisulfate at MWCNT cathode: The proofed concept of nonradical oxidation process. Chemosphere, 2018, 206, 432-438.	8.2	68
11	Oily sludge derived carbons as peroxymonosulfate activators for removing aqueous organic pollutants: Performances and the key role of carbonyl groups in electron-transfer mechanism. Journal of Hazardous Materials, 2021, 414, 125552.	12.4	63
12	Criteria of active sites in nonradical persulfate activation process from integrated experimental and theoretical investigations: boron/nitrogen-co-doped nanocarbon-mediated peroxydisulfate activation as an example. Environmental Science: Nano, 2020, 7, 1899-1911.	4.3	60
13	Carbon nanotube/chitosan composite electrodes for electrochemical removal of Cu(II) ions. Journal of Alloys and Compounds, 2011, 509, 5667-5671.	5.5	57
14	Piezoelectric activation of peroxymonosulfate by MoS ₂ nanoflowers for the enhanced degradation of aqueous organic pollutants. Environmental Science: Nano, 2021, 8, 784-794.	4.3	57
15	Carbon aerogels electrode with reduced graphene oxide additive for capacitive deionization with enhanced performance. Inorganic Chemistry Frontiers, 2014, 1, 249.	6.0	55
16	Reduced graphene oxide/carbon nanotubes composite films by electrophoretic deposition method for supercapacitors. Journal of Electroanalytical Chemistry, 2011, 661, 270-273.	3.8	53
17	Enhancement of electrosorption capacity of activated carbon fibers by grafting with carbon nanofibers. Electrochimica Acta, 2011, 56, 3164-3169.	5.2	30
18	A green and fast way for reduction of graphene oxide in acidic aqueous solution via microwave assistance. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2325-2327.	1.8	25

#	ARTICLE	IF	CITATIONS
19	Charged iodide in chains behind the highly efficient iodine doping in carbon nanotubes. <i>Physical Review Materials</i> , 2017, 1, .	2.4	25
20	Electrosorption of different cations and anions with membrane capacitive deionization based on carbon nanotube/nanofiber electrodes and ion-exchange membranes. <i>Desalination and Water Treatment</i> , 2011, 30, 266-271.	1.0	22
21	Importance of the structural integrity of a carbon conjugated mediator for photocatalytic hydrogen generation from water over a CdS@carbon nanotube@MoS ₂ composite. <i>Chemical Communications</i> , 2016, 52, 13596-13599.	4.1	20
22	Carbon nanotube and carbon nanofiber composite films grown on different graphite substrate for capacitive deionization. <i>Desalination and Water Treatment</i> , 2013, 51, 3988-3994.	1.0	19
23	The study of membrane capacitive deionization from charge efficiency. <i>Desalination and Water Treatment</i> , 2012, 42, 210-215.	1.0	16
24	A new insight on the mechanisms of filling closed carbon nanotubes with molten metal iodides. <i>Carbon</i> , 2016, 110, 48-50.	10.3	16
25	Flow line of density functional theory in heterogeneous persulfate-based advanced oxidation processes for pollutant degradation: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 483-503.	12.8	15
26	Enhanced capacitive behavior of carbon aerogels/reduced graphene oxide composite film for supercapacitors. <i>Solid State Ionics</i> , 2013, 247-248, 66-70.	2.7	9
27	The Unexpected Complexity of Filling Double-Wall Carbon Nanotubes With Nickel (and Iodine) 1-D Nanocrystals. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 759-766.	2.0	7
28	Superior carbon nanotube stability by molecular filling:a single-chirality study at extreme pressures. <i>Carbon</i> , 2021, 183, 884-892.	10.3	7
29	Observation of strong Kondo like features and co-tunnelling in superparamagnetic GdCl ₃ filled 1D nanomagnets. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	6
30	Kinetics and isotherm studies on electrosorption of NaCl by activated carbon fiber, carbon nanotube and carbon nanotube@carbon nanofiber composite film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 55-58.	0.8	5
31	Electrical Removal Behavior of Carbon Nanotube and Carbon Nanofiber Film in CuCl ₂ Solution: Kinetics and Thermodynamics Study. <i>International Journal of Electrochemistry</i> , 2011, 2011, 1-8.	2.4	3
32	Kinetics and isotherm studies on electrosorption of NaCl by activated carbon fiber, carbon nanotube and carbon nanotube-carbon nanofiber composite films. , 2010, , .		0
33	The unexpected complexity of filling double-wall carbon nanotubes with iodine-based 1D nanocrystals. , 2016, , .		0
34	Electrosorption of different cations and anions with membrane capacitive deionization based on carbon nanotube/nanofiber electrodes and ion-exchange membranes. , 0, , 266-271.		0
35	The study of membrane capacitive deionization from charge efficiency. , 0, 42, 210-215.		0