Chunyang Nie

List of Publications by Year
in descending order

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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	Flow line of density functional theory in heterogeneous persulfate-based advanced oxidation processes for pollutant degradation: A review. Critical Reviews in Environmental Science and Technology, 2023, 53, 483-503.	12.8	15
2	Novel two-dimensional crystalline carbon nitrides beyond g-C₃N₄: structure and applications. Journal of Materials Chemistry A, 2021, 9, 17-33.	10.3	92
3	Piezoelectric activation of peroxymonosulfate by MoS₂ nanoflowers for the enhanced degradation of aqueous organic pollutants. Environmental Science: Nano, 2021, 8, 784-794.	4.3	57
4	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
5	Superior carbon nanotube stability by molecular filling:a single-chirality study at extreme pressures. Carbon, 2021, 183, 884-892.	10.3	7
6	Recent progress in g-C₃N₄ quantum dots: synthesis, properties and applications in photocatalytic degradation of organic pollutants. Journal of Materials Chemistry A, 2020, 8, 485-502.	10.3	173
7	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
8	Criteria of active sites in nonradical persulfate activation process from integrated experimental and theoretical investigations: boronâ€“nitrogen-co-doped nanocarbon-mediated peroxydisulfate activation as an example. Environmental Science: Nano, 2020, 7, 1899-1911.	4.3	60
9	Peroxydisulfate activation by positively polarized carbocatalyst for enhanced removal of aqueous organic pollutants. Water Research, 2019, 166, 115043.	11.3	137
10	Observation of strong Kondo like features and co-tunnelling in superparamagnetic GdCl3 filled 1D nanomagnets. Journal of Applied Physics, 2018, 123, .	2.5	6
11	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
12	The Unexpected Complexity of Filling Double-Wall Carbon Nanotubes With Nickel (and Iodine) 1-D Nanocrystals. IEEE Nanotechnology Magazine, 2017, 16, 759-766.	2.0	7
13	Charged iodide in chains behind the highly efficient iodine doping in carbon nanotubes. Physical Review Materials, 2017, 1, .	2.4	25
14	The unexpected complexity of filling double-wall carbon nanotubes with iodine-based 1D nanocrystals. , 2016, , .		0
15	A new insight on the mechanisms of filling closed carbon nanotubes with molten metal iodides. Carbon, 2016, 110, 48-50.	10.3	16
16	Importance of the structural integrity of a carbon conjugated mediator for photocatalytic hydrogen generation from water over a CdSâ€“carbon nanotubeâ€“MoS₂ composite. Chemical Communications, 2016, 52, 13596-13599.	4.1	20
17	Review on carbon-based composite materials for capacitive deionization. RSC Advances, 2015, 5, 15205-15225.	3.6	319
18	Carbon aerogels electrode with reduced graphene oxide additive for capacitive deionization with enhanced performance. Inorganic Chemistry Frontiers, 2014, 1, 249.	6.0	55

#	Article	IF	Citations
19	Enhanced capacitive behavior of carbon aerogels/reduced graphene oxide composite film for supercapacitors. Solid State Ionics, 2013, 247-248, 66-70.	2.7	9
20	Carbon nanotube and carbon nanofiber composite films grown on different graphite substrate for capacitive deionization. Desalination and Water Treatment, 2013, 51, 3988-3994.	1.0	19
21	The study of membrane capacitive deionization from charge efficiency. Desalination and Water Treatment, 2012, 42, 210-215.	1.0	16
22	Electrophoretic deposition of carbon nanotubes film electrodes for capacitive deionization. Journal of Electroanalytical Chemistry, 2012, 666, 85-88.	3.8	103
23	Reduced graphene oxide and activated carbon composites for capacitive deionization. Journal of Materials Chemistry, 2012, 22, 15556.	6.7	223
24	Kinetics and isotherm studies on electrosorption of NaCl by activated carbon fiber, carbon nanotube and carbon nanotubeâ€carbon nanofiber composite film. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 55-58.	0.8	5
25	Electrophoretic deposition of carbon nanotubesâ€“polyacrylic acid composite film electrode for capacitive deionization. Electrochimica Acta, 2012, 66, 106-109.	5.2	85
26	Reduced graphene oxideâ€“carbon nanotubes composite films by electrophoretic deposition method for supercapacitors. Journal of Electroanalytical Chemistry, 2011, 661, 270-273.	3.8	53
27	Electrosorption of different cations and anions with membrane capacitive deionization based on carbon nanotube/nanofiber electrodes and ion-exchange membranes. Desalination and Water Treatment, 2011, 30, 266-271.	1.0	22
28	Carbon nanotubeâ€“chitosan composite electrodes for electrochemical removal of Cu(II) ions. Journal of Alloys and Compounds, 2011, 509, 5667-5671.	5.5	57
29	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
30	Enhancement of electrosorption capacity of activated carbon fibers by grafting with carbon nanofibers. Electrochimica Acta, 2011, 56, 3164-3169.	5.2	30
31	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
32	Electrical Removal Behavior of Carbon Nanotube and Carbon Nanofiber Film in CuCl2Solution: Kinetics and Thermodynamics Study. International Journal of Electrochemistry, 2011, 2011, 1-8.	2.4	3
33	Kinetics and isotherm studies on electrosorption of NaCl by activated carbon fiber, carbon nanotube and carbon nanotube-carbon nanofiber composite films. , 2010, , .		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