

Ayar A H Al-Zubaidi

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

354
citations

840776

11
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal charging of supercapacitors: a perspective. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1457-1474.	4.9	58
2	Electrochemical lithium-ion storage properties of quinone molecules encapsulated in single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10411-10418.	2.8	54
3	Cyclic Voltammogram Profile of Single-Walled Carbon Nanotube Electric Double-Layer Capacitor Electrode Reveals Dumbbell Shape. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7681-7686.	3.1	50
4	Pore Size Determination in Ordered Mesoporous Materials Using Powder X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18120-18130.	3.1	41
5	Temperature-dependent water solubility of iodine-doped single-walled carbon nanotubes prepared using an electrochemical method. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5767.	2.8	28
6	Heat transfer in gas–solid fluidized bed with various heater inclinations. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 2228-2233.	4.8	23
7	Ion adsorption on the inner surface of single-walled carbon nanotubes used as electrodes for electric double-layer capacitors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16055.	2.8	17
8	Spectroscopic evidence for the origin of the dumbbell cyclic voltammogram of single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20672.	2.8	14
9	New Type of Pseudo-Capacitor Using Redox Reaction of Electrolyte in Single-Walled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1901-1907.	0.9	13
10	Alkali metal ion storage properties of sulphur and phosphorous molecules encapsulated in nanometer size carbon cylindrical pores. <i>AIP Advances</i> , 2016, 6, 035112.	1.3	12
11	The effect of diameter size of single-walled carbon nanotubes on their high-temperature energy storage behaviour in ionic liquid-based electric double-layer capacitors. <i>RSC Advances</i> , 2020, 10, 41209-41216.	3.6	11
12	Alkali Metal Ion Storage of Quinone Molecules Grafted on Single-Walled Carbon Nanotubes at Low Temperature. <i>ACS Omega</i> , 2018, 3, 15598-15605.	3.5	8
13	One-step synthesis of visible light CO ₂ reduction photocatalyst from carbon nanotubes encapsulating iodine molecules. <i>Scientific Reports</i> , 2021, 11, 10140.	3.3	7
14	Unusual increase in the electric double-layer capacitance with charge–discharge cycles of nitrogen doped single-walled carbon nanotubes. <i>Materials Express</i> , 2014, 4, 331-336.	0.5	6
15	High ion adsorption densities of site-selective nitrogen doped carbon sheets prepared from natural lignin. <i>RSC Advances</i> , 2019, 9, 42043-42049.	3.6	4
16	Effect of post-synthesis nitrogen doping in nanocarbons on cathode reaction of metal-air cells. <i>Materials Express</i> , 2014, 4, 337-342.	0.5	3
17	Single-walled carbon nanotubes as a reducing agent for the synthesis of a Prussian blue-based composite: a quartz crystal microbalance study. <i>Nanoscale Advances</i> , 2022, 4, 510-520.	4.6	3
18	Switching of alternative electrochemical charging mechanism inside single-walled carbon nanotubes: a quartz crystal microbalance study. <i>RSC Advances</i> , 2021, 11, 30253-30258.	3.6	1

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19	In Situ Synchrotron X-ray Diffraction Studies of Single-walled Carbon Nanotubes for Electric Double-layer Capacitors. Journal of Chemistry and Chemical Engineering, 2015, 9, .	0.3	1
20	Ion adsorption mechanism of bundled single-walled carbon nanotubes. AIP Conference Proceedings, 2016, , .	0.4	0
21	Iodine encapsulation in CNTs and its application for electrochemical capacitor. AIP Conference Proceedings, 2016, , .	0.4	0
22	Iodine redox reactions in single-wall carbon nanotube hollow cores for rechargeable iodine cathode-based energy storage. , 2022, 1, 89-93.		0