

Tandeep Chadha

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

510
citations

687363

13
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

781
citing authors

#	ARTICLE	IF	CITATIONS
1	Linker-Free Deposition and Adhesion of Photosystem I onto Nanostructured TiO ₂ for Biohybrid Photoelectrochemical Cells. <i>Langmuir</i> , 2015, 31, 1675-1682.	3.5	62
2	Titanium Dioxide Whispering Gallery Microcavities. <i>Advanced Optical Materials</i> , 2014, 2, 711-717.	7.3	59
3	Elimination of Carbon Contamination from Silicon Kerf Using a Furnace Aerosol Reactor Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5914-5920.	3.7	52
4	Non-invasive aerosol delivery and transport of gold nanoparticles to the brain. <i>Scientific Reports</i> , 2017, 7, 44718.	3.3	48
5	Photochemically assisted fast abiotic oxidation of manganese and formation of γ -MnO ₂ nanosheets in nitrate solution. <i>Chemical Communications</i> , 2017, 53, 4445-4448.	4.1	37
6	Directed assembly of the thylakoid membrane on nanostructured TiO ₂ for a photo-electrochemical cell. <i>Nanoscale</i> , 2016, 8, 1868-1872.	5.6	35
7	Application of Half Mini DMA for sub 2nm particle size distribution measurement in an electrospray and a flame aerosol reactor. <i>Journal of Aerosol Science</i> , 2014, 71, 52-64.	3.8	31
8	Measurement of Sub-2 nm Clusters of Pristine and Composite Metal Oxides during Nanomaterial Synthesis in Flame Aerosol Reactors. <i>Analytical Chemistry</i> , 2014, 86, 7523-7529.	6.5	25
9	Growth of single crystal, oriented SnO ₂ nanocolumn arrays by aerosol chemical vapour deposition. <i>CrystEngComm</i> , 2016, 18, 7544-7553.	2.6	21
10	Photochemically-Assisted Synthesis of Birnessite Nanosheets and Their Structural Alteration in the Presence of Pyrophosphate. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10624-10632.	6.7	20
11	Carbon elimination from silicon kerf: Thermogravimetric analysis and mechanistic considerations. <i>Scientific Reports</i> , 2017, 7, 40535.	3.3	18
12	One-Dimensional, Additive-Free, Single-Crystal TiO ₂ Nanostructured Anodes Synthesized by a Single-Step Aerosol Process for High-Rate Lithium-Ion Batteries. <i>Energy Technology</i> , 2014, 2, 906-911.	3.8	17
13	Model Based Analysis of One-Dimensional Oriented Lithium-Ion Battery Electrodes. <i>Journal of the Electrochemical Society</i> , 2017, 164, E3114-E3121.	2.9	17
14	Study of the Charge Distribution on Liposome Particles Aerosolized by Air-Jet Atomization. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2012, 25, 355-364.	1.4	14
15	Model based prediction of nanostructured thin film morphology in an aerosol chemical vapor deposition process. <i>Chemical Engineering Journal</i> , 2017, 310, 102-113.	12.7	13
16	Gold nanocage coupled single crystal TiO ₂ nanostructures for near-infrared water photolysis. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	12
17	Deployment of networked low-cost sensors and comparison to real-time stationary monitors in New Delhi. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1347-1360.	1.9	9
18	Oriented, One-Dimensional Tin Dioxide-Titanium Dioxide Composites as Anode Materials for Lithium-Ion Batteries. <i>Energy Technology</i> , 2018, 6, 1966-1974.	3.8	7

#	ARTICLE	IF	CITATIONS
19	Real-time source apportionment of fine particle inorganic and organic constituents at an urban site in Delhi city: An IoT-based approach. Atmospheric Pollution Research, 2021, 12, 101206.	3.8	7
20	Sustainable one step process for making carbon-free TiO ₂ anodes and sodium-ion battery electrochemistry. Sustainable Energy and Fuels, 2018, 2, 1582-1587.	4.9	5
21	Production and performance of a Photosystem I-based solar cell using nano-columnar TiO ₂ , 2013, , .		1