

Pawan Pathak

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

319
citations

933264

10
h-index

1058333

14
g-index

18
all docs

18
docs citations

18
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature-Inspired Tree-Like TiO ₂ Architecture: A 3D Platform for the Assembly of CdS and Reduced Graphene Oxide for Photoelectrochemical Processes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7543-7553.	1.5	71
2	A novel Fe-Chitosan-coated carbon electrode sensor for in situ As(III) detection in mining wastewater and soil leachate. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 89-97.	4.0	51
3	A Novel Bismuth-Chitosan Nanocomposite Sensor for Simultaneous Detection of Pb(II), Cd(II) and Zn(II) in Wastewater. <i>Micromachines</i> , 2019, 10, 511.	1.4	32
4	Flexible copper-biopolymer nanocomposite sensors for trace level lead detection in water. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130263.	4.0	31
5	One-Pot Fabrication of High Coverage PbS Quantum Dot Nanocrystal-Sensitized Titania Nanotubes for Photoelectrochemical Processes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13659-13668.	1.5	25
6	Enhanced Electrochemical Detection of Multiheavy Metal Ions Using a Biopolymer-Coated Planar Carbon Electrode. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019, 68, 2387-2393.	2.4	22
7	Effects of Carbon Allotrope Interface on the Photoactivity of Rutile One-Dimensional (1D) TiO ₂ Coated with Anatase TiO ₂ and Sensitized with CdS Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13400-13409.	4.0	21
8	Engineered Solution-Phase Liquid-Solid Growth of a Tree-like 1D/1D TiO ₂ Nanotube-CdSe Nanowire Heterostructure: Photoelectrochemical Conversion of Broad Spectrum of Solar Energy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33280-33288.	4.0	16
9	A Carbon Nanotube-Metal Oxide Hybrid Material for Visible-Blind Flexible UV-Sensor. <i>Micromachines</i> , 2020, 11, 368.	1.4	16
10	Optical pumping of rubidium atoms frozen in solid argon. <i>Physical Review A</i> , 2013, 88, .	1.0	12
11	A one-pot strategy for coupling chalcogenide nanocrystals with 1D oxides for solar-driven processes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24297-24302.	5.2	8
12	Effect of laser power on conductivity and morphology of silver nanoparticle thin films prepared by a laser assisted electrospray deposition method. <i>Journal of Laser Applications</i> , 2021, 33, 012034.	0.8	5
13	Development of a novel self-sanitizing mask prototype to combat the spread of infectious disease and reduce unnecessary waste. <i>Scientific Reports</i> , 2021, 11, 18213.	1.6	4
14	Self-Assembled 1-Octadecanethiol Membrane on Pd/ZnO for a Selective Room Temperature Flexible Hydrogen Sensor. <i>Micromachines</i> , 2022, 13, 26.	1.4	3
15	Fabrication of a Pseudo-reference Electrode on a Flexible Substrate and Its Application to Heavy Metal Ion Detection. , 2020, , .		1
16	Graphene Oxide-Chitosan Composite-Based Flexible Electrochemical Sensors for Lead ION Detection. , 2021, , .		1
17	With Photovoltaics, Solar Energy Is Here to Stay. <i>Electrochemical Society Interface</i> , 2018, 27, 57-61.	0.3	0
18	Metal Oxide Semiconductor-Carbon Nanomaterial Network as a Flexible Chemical Sensor for Volatile Organic Compound Detection. , 2019, , .		0