

Pawan Pathak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

215
citations

8
h-index

14
g-index

18
ext. papers

275
ext. citations

5.4
avg, IF

3.36
L-index

#	Paper	IF	Citations
13	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	2.1	3
12	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	4.9	2
11	Flexible copper-biopolymer nanocomposite sensors for trace level lead detection in water. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130263	8.5	8
10	A Carbon Nanotube-Metal Oxide Hybrid Material for Visible-Blind Flexible UV-Sensor. <i>Micromachines</i> , 2020 , 11,	3.3	8
9	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	8.5	34
8	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	5.2	15
7	A Novel Bismuth-Chitosan Nanocomposite Sensor for Simultaneous Detection of Pb(II), Cd(II) and Zn(II) in Wastewater. <i>Micromachines</i> , 2019 , 10,	3.3	13
6	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	3.8	22
5	Engineered Solution-Liquid-Solid Growth of a "Treelike" 1D/1D TiO Nanotube-CdSe Nanowire Heterostructure: Photoelectrochemical Conversion of Broad Spectrum of Solar Energy. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33280-33288	9.5	16
4	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, 13400-9	9.5	18
3	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	13	7
2	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	2.8	63
1	Optical pumping of rubidium atoms frozen in solid argon. <i>Physical Review A</i> , 2013 , 88,	2.6	6