Anupma Thakur

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1388174/publications.pdf

Version: 2024-02-01

26	945	516710 16	580821 25
papers	citations	h-index	g-index

26	26	26	1295
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in carbon quantum dot-based sensing of heavy metals in water. TrAC - Trends in Analytical Chemistry, 2019, 114, 171-195.	11.4	165
2	A â€œTurn-Onâ€•thiol functionalized fluorescent carbon quantum dot based chemosensory system for arsenite detection. Journal of Hazardous Materials, 2017, 328, 117-126.	12.4	102
3	Green synthesis of glowing carbon dots from Carica papaya waste pulp and their application as a label-freechemo probe for chromium detection in water. Sensors and Actuators B: Chemical, 2019, 283, 363-372.	7.8	94
4	Waste derivitized blue luminescent carbon quantum dots for selenite sensing in water. Talanta, 2017, 170, 49-55.	5.5	55
5	Current progress and challenges in photoelectrode materials for the production of hydrogen. Chemical Engineering Journal, 2020, 397, 125415.	12.7	55
6	Progress in the materials for optical detection of arsenic in water. TrAC - Trends in Analytical Chemistry, 2019, 110, 97-115.	11.4	47
7	Ultrasensitive and Selective Sensing of Selenium Using Nitrogen-Rich Ligand Interfaced Carbon Quantum Dots. ACS Applied Materials & Interfaces, 2017, 9, 13448-13456.	8.0	44
8	Enhanced photocatalytic water splitting by gold carbon dot core shell nanocatalyst under visible/sunlight. New Journal of Chemistry, 2017, 41, 4573-4581.	2.8	42
9	TiO₂ nanofibres decorated with green-synthesized P_{Au/Ag}@CQDs for the efficient photocatalytic degradation of organic dyes and pharmaceutical drugs. RSC Advances, 2020, 10, 8941-8948.	3.6	42
10	A systematic review and meta-analysis of voltammetric and optical techniques for inorganic selenium determination in water. TrAC - Trends in Analytical Chemistry, 2017, 95, 69-85.	11.4	37
11	Bactericidal activity of Cannabis sativa phytochemicals from leaf extract and their derived Carbon Dots and Ag@Carbon Dots. Materials Letters, 2020, 262, 127122.	2.6	37
12	Metal ion sensing and light activated antimicrobial activity of aloe-vera derived carbon dots. Journal of Materials Science: Materials in Electronics, 2018, 29, 17254-17261.	2.2	35
13	Advances in imaging-assisted sensing techniques for heavy metals in water: Trends, challenges, and opportunities. TrAC - Trends in Analytical Chemistry, 2020, 123, 115758.	11.4	34
14	Citrus limetta Organic Waste Recycled Carbon Nanolights: Photoelectro Catalytic, Sensing, and Biomedical Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 502-512.	6.7	33
15	Synthesis, properties, and applications of MBenes (two-dimensional metal borides) as emerging 2D materials: a review. Journal of Materials Science, 2022, 57, 12738-12751.	3.7	23
16	Insights from a Pan India Sero-Epidemiological survey (Phenome-India Cohort) for SARS-CoV2. ELife, 2021, 10, .	6.0	21
17	Au/ZnO nanocomposites decorated ITO electrodes for voltammetric sensing of selenium in water. Electrochimica Acta, 2018, 290, 291-302.	5.2	18
18	Green synthesized plasmonic nanostructure decorated TiO2 nanofibers for photoelectrochemical hydrogen production. Solar Energy, 2019, 193, 715-723.	6.1	14

#	Article	IF	Citations
19	Boosting photoelectrochemical performance of GaN nanowall network photoanode with bacteriorhodopsin. International Journal of Hydrogen Energy, 2020, 45, 103-111.	7.1	11
20	Waste to wealth translation of e-waste to plasmonic nanostructures for surface-enhanced Raman scattering. Applied Nanoscience (Switzerland), 2020, 10, 1615-1623.	3.1	11
21	Flexible polypyrrole activated micro-porous paper-based photoanode for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2021, 46, 8444-8453.	7.1	10
22	Nanostructures derived from expired drugs and their applications toward sensing, security ink, and bactericidal material. Science of the Total Environment, 2021, 764, 144260.	8.0	4
23	Materials in Colorimetric Detection of Water Pollutants. Advanced Functional Materials and Sensors, 2020, , 125-145.	1.2	4
24	Conjugate of graphene quantum dots and glutaminase for the sensing of L-glutamine: Electrochemical vs. fluorescent sensing approaches. Inorganic Chemistry Communication, 2021, 130, 108745.	3.9	3
25	Photocatalytic degradation of petrochemical pollutants. , 2020, , 127-141.		2
26	Green Synthesized Cu@Carbon Quantum Dots for Histidine and Arsenate Sensing. IEEE Sensors Journal, 2021, 21, 16464-16468.	4.7	2