

Neha Bhardwaj

List of Publications by Year in descending order

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37
papers

2,494
citations

201674

27
h-index

330143

37
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37
all docs

37
docs citations

37
times ranked

3260
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in enzyme immobilization techniques: Metal-organic frameworks as novel substrates. <i>Coordination Chemistry Reviews</i> , 2016, 322, 30-40.	18.8	365
2	An overview of different strategies to introduce conductivity in metal-organic frameworks and miscellaneous applications thereof. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14992-15009.	10.3	205
3	MOF-Bacteriophage Biosensor for Highly Sensitive and Specific Detection of <i>Staphylococcus aureus</i> . <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33589-33598.	8.0	146
4	Advances in nanomaterial-based electrochemical biosensors for the detection of microbial toxins, pathogenic bacteria in food matrices. <i>Journal of Hazardous Materials</i> , 2021, 401, 123379.	12.4	131
5	Graphene modified screen printed immunosensor for highly sensitive detection of parathion. <i>Biosensors and Bioelectronics</i> , 2016, 83, 339-346.	10.1	112
6	Recent advances in the applications of nano-agrochemicals for sustainable agricultural development. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 213-239.	3.5	97
7	Immunosensing of Atrazine with Antibody-Functionalized Cu-MOF Conducting Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26124-26130.	8.0	93
8	Highly sensitive detection of dipicolinic acid with a water-dispersible terbium-metal organic framework. <i>Biosensors and Bioelectronics</i> , 2016, 86, 799-804.	10.1	91
9	Fluorescent nanobiosensors for the targeted detection of foodborne bacteria. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 120-135.	11.4	86
10	TCNQ-doped Cu-metal organic framework as a novel conductometric immunosensing platform for the quantification of prostate cancer antigen. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 10-17.	7.8	80
11	Bioactive nano-metal-organic frameworks as antimicrobials against Gram-positive and Gram-negative bacteria. <i>Toxicology Research</i> , 2018, 7, 931-941.	2.1	80
12	Graphene quantum dot modified screen printed immunosensor for the determination of parathion. <i>Analytical Biochemistry</i> , 2017, 523, 1-9.	2.4	77
13	Progress in the biosensing techniques for trace-level heavy metals. <i>Biotechnology Advances</i> , 2016, 34, 47-60.	11.7	75
14	Advances in surface plasmon resonance-based biosensor technologies for cancer biomarker detection. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113767.	10.1	72
15	Nanomaterial-based fluorescent sensors for the detection of lead ions. <i>Journal of Hazardous Materials</i> , 2021, 407, 124379.	12.4	70
16	Bacteriophage immobilized graphene electrodes for impedimetric sensing of bacteria (<i>Staphylococcus</i>)	2.45	68
17	Optical detection of waterborne pathogens using nanomaterials. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 280-300.	11.4	64
18	Application of an enzyme encapsulated metal-organic framework composite for convenient sensing and degradation of methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 267-274.	7.8	55

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19	Advances in MXenes-based optical biosensors: A review. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113995.	10.1	52
20	Nanomaterials as efficient platforms for sensing DNA. <i>Biomaterials</i> , 2019, 214, 119215.	11.4	48
21	Bacteriophage conjugated IRMOF-3 as a novel opto-sensor for <i>S. arlettae</i> . <i>New Journal of Chemistry</i> , 2016, 40, 8068-8073.	2.8	47
22	UVC-based photoinactivation as an efficient tool to control the transmission of coronaviruses. <i>Science of the Total Environment</i> , 2021, 792, 148548.	8.0	43
23	Highly sensitive optical biosensing of <i>Staphylococcus aureus</i> with an antibody/metal-organic framework bioconjugate. <i>Analytical Methods</i> , 2019, 11, 917-923.	2.7	37
24	Recent progress in nanomaterial-based sensing of airborne viral and bacterial pathogens. <i>Environment International</i> , 2021, 146, 106183.	10.0	37
25	An exploration on the toxicity mechanisms of phytotoxins and their potential utilities. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 395-435.	12.8	36
26	Recent advances in the application of noble metal nanoparticles in colorimetric sensors for lead ions. <i>Environmental Science: Nano</i> , 2021, 8, 863-889.	4.3	36
27	Development of carbon quantum dot-based lateral flow immunoassay for sensitive detection of aflatoxin M1 in milk. <i>Food Chemistry</i> , 2022, 393, 133374.	8.2	35
28	Plant-based remediation of air pollution: A review. <i>Journal of Environmental Management</i> , 2022, 301, 113860.	7.8	32
29	Recent advances in photocatalytic removal of airborne pathogens in air. <i>Science of the Total Environment</i> , 2021, 794, 148477.	8.0	25
30	A review on mobile phones as bacterial reservoirs in healthcare environments and potential device decontamination approaches. <i>Environmental Research</i> , 2020, 186, 109569.	7.5	24
31	Polyhydroxyalkanoates production from domestic waste feedstock: A sustainable approach towards bio-economy. <i>Journal of Cleaner Production</i> , 2022, 340, 130661.	9.3	24
32	Formation of High-Purity Indium Oxide Nanoparticles and Their Application to Sensitive Detection of Ammonia. <i>Sensors</i> , 2015, 15, 31930-31938.	3.8	12
33	Selective and Sensitive Electrochemical Sensor for Aflatoxin M1 with a Molybdenum Disulfide Quantum Dot/Metal-Organic Framework Nanocomposite. <i>ACS Omega</i> , 2022, 7, 17600-17608.	3.5	12
34	An Elucidative Review to Analytically Sieve the Viability of Nanomedicine Market. <i>Journal of Pharmaceutical Innovation</i> , 2020, , 1-17.	2.4	10
35	Lytic Bacteriophages as Biocontrol Agents of Foodborne Pathogens. <i>Asian Journal of Animal and Veterinary Advances</i> , 2015, 10, 708-723.	0.0	6
36	Surface-functionalized fluorescent carbon dots (CDs) for dual-mode detection of lead ions. <i>Chemical Papers</i> , 2022, 76, 6193-6203.	2.2	6

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37	Phage Immobilized Antibacterial Silica Nanoplatform: Application against Bacterial Infections. <i>Advances in Animal and Veterinary Sciences</i> , 2015, 3, 1-9.	0.2	5