

Rajesh Ahirwar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

514
citations

686830

13
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental monitoring and health assessment in an industrial town in central India: A cross-sectional study protocol. <i>PLoS ONE</i> , 2022, 17, e0264154.	1.1	1
2	E-waste management: A review of recycling process, environmental and occupational health hazards, and potential solutions. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 15, 100409.	1.7	106
3	Aptamer-based sensing of breast cancer biomarkers: a comprehensive review of analytical figures of merit. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 703-721.	1.5	19
4	Biochemical composition, transmission and diagnosis of SARS-CoV-2. <i>Bioscience Reports</i> , 2021, 41, .	1.1	13
5	Circulating microRNAs as biomarkers of environmental exposure to polycyclic aromatic hydrocarbons: potential and prospects. <i>Environmental Science and Pollution Research</i> , 2021, 28, 54282-54298.	2.7	2
6	Recent advances in nanomaterials-based electrochemical immunosensors and aptasensors for HER2 assessment in breast cancer. <i>Mikrochimica Acta</i> , 2021, 188, 317.	2.5	18
7	Tannic acid alleviates experimental pulmonary fibrosis in mice by inhibiting inflammatory response and fibrotic process. <i>Inflammopharmacology</i> , 2020, 28, 1301-1314.	1.9	10
8	An aptasensor for rapid and sensitive detection of estrogen receptor alpha in human breast cancer. <i>Biotechnology and Bioengineering</i> , 2019, 116, 227-233.	1.7	22
9	Moderate reagent mixing on an orbital shaker reduces the incubation time of enzyme-linked immunosorbent assay. <i>Analytical Biochemistry</i> , 2017, 528, 53-56.	1.1	7
10	Immobilization studies of cellulase on three engineered polymer surfaces. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 11, 248-251.	1.5	17
11	A Simple and Efficient Method for Removal of Phenolic Contaminants in Wastewater Using Covalent Immobilized Horseradish Peroxidase. <i>Journal of Materials Science and Engineering B</i> , 2017, 7, .	0.2	3
12	Aptamer-Assisted Detection of the Altered Expression of Estrogen Receptor Alpha in Human Breast Cancer. <i>PLoS ONE</i> , 2016, 11, e0153001.	1.1	25
13	In silico selection of an aptamer to estrogen receptor alpha using computational docking employing estrogen response elements as aptamer-alike molecules. <i>Scientific Reports</i> , 2016, 6, 21285.	1.6	90
14	Microwave-Assisted Rapid Enzymatic Synthesis of Nucleic Acids. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2016, 35, 363-369.	0.4	4
15	Exploring the flexible chemistry of 4-fluoro-3-nitrophenyl azide for biomolecule immobilization and bioconjugation. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6945-6956.	1.9	14
16	Microwave non-thermal effect reduces ELISA timing to less than 5 minutes. <i>RSC Advances</i> , 2016, 6, 20850-20857.	1.7	26
17	Development of a label-free gold nanoparticle-based colorimetric aptasensor for detection of human estrogen receptor alpha. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 327-332.	1.9	36
18	Development of an aptamer-affinity chromatography for efficient single step purification of Concanavalin A from <i>Canavalia ensiformis</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 997, 105-109.	1.2	24

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19	Screening and Identification of a DNA Aptamer to Concanavalin A and Its Application in Food Analysis. Journal of Agricultural and Food Chemistry, 2015, 63, 4104-4111.	2.4	23
20	BSA blocking in enzyme-linked immunosorbent assays is a non-mandatory step: a perspective study on mechanism of BSA blocking in common ELISA protocols. RSC Advances, 2015, 5, 100077-100083.	1.7	38
21	Microwave-mediated enzymatic modifications of DNA. Analytical Biochemistry, 2015, 471, 26-28.	1.1	6
22	Image-based detection of oligonucleotides – a low cost alternative to spectrophotometric or fluorometric methods. Analyst, The, 2014, 139, 2186-2192.	1.7	8