Rajesh Ahirwar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4026802/publications.pdf

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22	514	686830 13	713013 21
papers	citations	h-index	g-index

24	24	24	691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	E-waste management: A review of recycling process, environmental and occupational health hazards, and potential solutions. Environmental Nanotechnology, Monitoring and Management, 2021, 15, 100409.	1.7	106
2	In silico selection of an aptamer to estrogen receptor alpha using computational docking employing estrogen response elements as aptamer-alike molecules. Scientific Reports, 2016, 6, 21285.	1.6	90
3	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
4	Development of a label-free gold nanoparticle-based colorimetric aptasensor for detection of human estrogen receptor alpha. Analytical and Bioanalytical Chemistry, 2016, 408, 327-332.	1.9	36
5	Microwave non-thermal effect reduces ELISA timing to less than 5 minutes. RSC Advances, 2016, 6, 20850-20857.	1.7	26
6	Aptamer-Assisted Detection of the Altered Expression of Estrogen Receptor Alpha in Human Breast Cancer. PLoS ONE, 2016, 11, e0153001.	1.1	25
7	Development of an aptamer-affinity chromatography for efficient single step purification of Concanavalin A from Canavalia ensiformis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 105-109.	1.2	24
8	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
9	An aptasensor for rapid and sensitive detection of estrogen receptor alpha in human breast cancer. Biotechnology and Bioengineering, 2019, 116, 227-233.	1.7	22
10	Aptamer-based sensing of breast cancer biomarkers: a comprehensive review of analytical figures of merit. Expert Review of Molecular Diagnostics, 2021, 21, 703-721.	1.5	19
11	Recent advances in nanomaterials-based electrochemical immunosensors and aptasensors for HER2 assessment in breast cancer. Mikrochimica Acta, 2021, 188, 317.	2.5	18
12	Immobilization studies of cellulase on three engineered polymer surfaces. Biocatalysis and Agricultural Biotechnology, 2017, 11, 248-251.	1.5	17
13	Exploring the flexible chemistry of 4-fluoro-3-nitrophenyl azide for biomolecule immobilization and bioconjugation. Analytical and Bioanalytical Chemistry, 2016, 408, 6945-6956.	1.9	14
14	Biochemical composition, transmission and diagnosis of SARS-CoV-2. Bioscience Reports, 2021, 41, .	1.1	13
15	Tannic acid alleviates experimental pulmonary fibrosis in mice by inhibiting inflammatory response and fibrotic process. Inflammopharmacology, 2020, 28, 1301-1314.	1.9	10
16	Image-based detection of oligonucleotides â€“ a low cost alternative to spectrophotometric or fluorometric methods. Analyst, The, 2014, 139, 2186-2192.	1.7	8
17	Moderate reagent mixing on an orbital shaker reduces the incubation time of enzyme-linked immunosorbent assay. Analytical Biochemistry, 2017, 528, 53-56.	1.1	7
18	Microwave-mediated enzymatic modifications of DNA. Analytical Biochemistry, 2015, 471, 26-28.	1.1	6

#	Article	IF	Citations
19	Microwave-Assisted Rapid Enzymatic Synthesis of Nucleic Acids. Nucleosides, Nucleotides and Nucleic Acids, 2016, 35, 363-369.	0.4	4
20	A Simple and Efficient Method for Removal of Phenolic Contaminants in Wastewater Using Covalent Immobilized Horseradish Peroxidase. Journal of Materials Science and Engineering B, 2017, 7, .	0.2	3
21	Circulating microRNAs as biomarkers of environmental exposure to polycyclic aromatic hydrocarbons: potential and prospects. Environmental Science and Pollution Research, 2021, 28, 54282-54298.	2.7	2
22	Environmental monitoring and health assessment in an industrial town in central India: A cross-sectional study protocol. PLoS ONE, 2022, 17, e0264154.	1.1	1