

Reza Hajian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4248956/publications.pdf>

Version: 2024-02-01

29
papers

1,452
citations

394421

19
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of unamplified target genes via CRISPR-Cas9 immobilized on a graphene field-effect transistor. <i>Nature Biomedical Engineering</i> , 2019, 3, 427-437.	22.5	418
2	Study on the interaction between doxorubicin and Deoxyribonucleic acid with the use of methylene blue as a probe. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1399-1405.	0.6	81
3	Discrimination of single-point mutations in unamplified genomic DNA via Cas9 immobilized on a graphene field-effect transistor. <i>Nature Biomedical Engineering</i> , 2021, 5, 713-725.	22.5	77
4	Construction of an Electrochemical Sensor Based on Carbon Nanotubes/Gold Nanoparticles for Trace Determination of Amoxicillin in Bovine Milk. <i>Sensors</i> , 2016, 16, 56.	3.8	63
5	Fabrication of an electrochemical sensor for determination of doxorubicin in human plasma and its interaction with DNA. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 27-33.	5.3	63
6	A novel nanocomposite electrochemical sensor based on green synthesis of reduced graphene oxide/gold nanoparticles modified screen printed electrode for determination of tryptophan using response surface methodology approach. <i>Microchemical Journal</i> , 2020, 154, 104634.	4.5	59
7	A promising electrochemical sensor based on Au nanoparticles decorated reduced graphene oxide for selective detection of herbicide diuron in natural waters. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 655-666.	2.9	57
8	A screen printed carbon electrode modified with carbon nanotubes and gold nanoparticles as a sensitive electrochemical sensor for determination of thiamphenicol residue in milk. <i>RSC Advances</i> , 2018, 8, 2714-2722.	3.6	54
9	DNA-binding studies of valrubicin as a chemotherapy drug using spectroscopy and electrochemical techniques. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 176-180.	5.3	52
10	Electrochemical Immunosensor for Detection of Aflatoxin B1 Based on Indirect Competitive ELISA. <i>Toxins</i> , 2018, 10, 196.	3.4	48
11	Determination of Rutin in Pharmaceutical Compounds and Tea Using Cathodic Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2006, 18, 579-585.	2.9	47
12	Electrochemical sensor based on gold nanoparticles/ethylenediamine-reduced graphene oxide for trace determination of fenitrothion in water. <i>RSC Advances</i> , 2016, 6, 89430-89439.	3.6	45
13	Study on the interaction between morin-bi(III) complex and DNA with the use of methylene blue dye as a fluorophor probe. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 266-276.	0.6	44
14	The utilization of SiNWs/AuNPs-modified indium tin oxide (ITO) in fabrication of electrochemical DNA sensor. <i>Materials Science and Engineering C</i> , 2014, 45, 270-276.	7.3	44
15	A Novel Disposable Biosensor Based on SiNWs/AuNPs Modified-Screen Printed Electrode for Dengue Virus DNA Oligomer Detection. <i>IEEE Sensors Journal</i> , 2015, 15, 4420-4427.	4.7	44
16	Linear sweep anodic stripping voltammetry: Determination of Chromium (VI) using synthesized gold nanoparticles modified screen-printed electrode. <i>Journal of Chemical Sciences</i> , 2015, 127, 1075-1081.	1.5	33
17	Surface modifications to boost sensitivities of electrochemical biosensors using gold nanoparticles/silicon nanowires and response surface methodology approach. <i>Journal of Materials Science</i> , 2016, 51, 1083-1097.	3.7	29
18	Modification Strategy of Screen-Printed Carbon Electrode with Functionalized Multi-Walled Carbon Nanotube and Chitosan Matrix for Biosensor Development. <i>Asian Journal of Chemistry</i> , 2017, 29, 31-36.	0.3	29

#	ARTICLE	IF	CITATIONS
19	Fabrication of an Electrochemical Sensor Based on Gold Nanoparticles/Carbon Nanotubes as Nanocomposite Materials: Determination of Myricetin in Some Drinks. PLoS ONE, 2014, 9, e96686.	2.5	29
20	The promise of graphene-based transistors for democratizing multiomics studies. Biosensors and Bioelectronics, 2022, 195, 113605.	10.1	25
21	DNA-binding Studies of Daunorubicin in the Presence of Methylene Blue by Spectroscopy and Voltammetry Techniques. Chinese Journal of Chemistry, 2009, 27, 1055-1060.	4.9	20
22	Graphene-based biosensor for on-chip detection of bio-orthogonally labeled proteins to identify the circulating biomarkers of aging during heterochronic parabiosis. Lab on A Chip, 2018, 18, 3230-3238.	6.0	20
23	DNA binding studies of Sunset Yellow FCF using spectroscopy, viscometry and electrochemical techniques. Journal of Molecular Structure, 2017, 1146, 861-867.	3.6	15
24	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. Molecules, 2015, 20, 12328-12340.	3.8	12
25	Rapid and Electronic Identification and Quantification of Age-specific Circulating Exosomes via Biologically Activated Graphene Transistors. Advanced Biology, 2021, 5, e2000594.	2.5	12
26	Electrochemical Study on the Interaction of Irinotecan with Calf Thymus Double Stranded DNA. Chinese Journal of Chemistry, 2012, 30, 738-742.	4.9	10
27	Study on the Interaction of Vitamin B ₁₂ with DNA by Spectroscopy and Electrochemical Methods. Chinese Journal of Chemistry, 2011, 29, 1353-1358.	4.9	9
28	An Electrochemical Biosensor for the Determination of Ganoderma boninense Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. Analytical Letters, 2014, 47, 819-832.	1.8	9
29	Decoration of carbon nanotubes with gold nanoparticles by electroless deposition process using ethylenediamine as a cross linker. Journal of Materials Research, 2016, 31, 2897-2905.	2.6	4