

Reza Hajian

List of Publications by Year in descending order

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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	The promise of graphene-based transistors for democratizing multiomics studies. <i>Biosensors and Bioelectronics</i> , 2022, 195, 113605.	10.1	25
2	Rapid and Electronic Identification and Quantification of Age-Specific Circulating Exosomes via Biologically Activated Graphene Transistors. <i>Advanced Biology</i> , 2021, 5, e2000594.	2.5	12
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	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
5	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
6	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
7	Graphene-based biosensor for on-chip detection of bio-orthogonally labeled proteins to identify the circulating biomarkers of aging during heterochronic parabiosis. <i>Lab on A Chip</i> , 2018, 18, 3230-3238.	6.0	20
8	Electrochemical Immunosensor for Detection of Aflatoxin B1 Based on Indirect Competitive ELISA. <i>Toxins</i> , 2018, 10, 196.	3.4	48
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	DNA binding studies of Sunset Yellow FCF using spectroscopy, viscometry and electrochemical techniques. <i>Journal of Molecular Structure</i> , 2017, 1146, 861-867.	3.6	15
11	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
12	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
13	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
14	Decoration of carbon nanotubes with gold nanoparticles by electroless deposition process using ethylenediamine as a cross linker. <i>Journal of Materials Research</i> , 2016, 31, 2897-2905.	2.6	4
15	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
16	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
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	Study on the Spectrophotometric Detection of Free Fatty Acids in Palm Oil Utilizing Enzymatic Reactions. <i>Molecules</i> , 2015, 20, 12328-12340.	3.8	12

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19	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
20	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
21	An Electrochemical Biosensor for the Determination of <i>Ganoderma boninense</i> Pathogen Based on a Novel Modified Gold Nanocomposite Film Electrode. <i>Analytical Letters</i> , 2014, 47, 819-832.	1.8	9
22	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
23	Fabrication of an Electrochemical Sensor Based on Gold Nanoparticles/Carbon Nanotubes as Nanocomposite Materials: Determination of Myricetin in Some Drinks. <i>PLoS ONE</i> , 2014, 9, e96686.	2.5	29
24	Electrochemical Study on the Interaction of Irinotecan with Calf Thymus Double Stranded DNA. <i>Chinese Journal of Chemistry</i> , 2012, 30, 738-742.	4.9	10
25	Study on the Interaction of Vitamin B ₁₂ with DNA by Spectroscopy and Electrochemical Methods. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1353-1358.	4.9	9
26	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
27	DNA-binding Studies of Daunorubicin in the Presence of Methylene Blue by Spectroscopy and Voltammetry Techniques. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1055-1060.	4.9	20
28	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
29	Determination of Rutin in Pharmaceutical Compounds and Tea Using Cathodic Adsorptive Stripping Voltammetry. <i>Electroanalysis</i> , 2006, 18, 579-585.	2.9	47