

Ali R Jalalvand

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

928
citations

393982

19
h-index

500791

28
g-index

28
all docs

28
docs citations

28
times ranked

688
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical characterization and antioxidant, cytotoxic, antibacterial, and antifungal properties of ethanolic extract of <i>Allium Saralicum</i> R.M. Fritsch leaves rich in linolenic acid, methyl ester. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 192, 103-112.	1.7	154
2	Green synthesis and chemical characterization of copper nanoparticles using <i>Allium saralicum</i> leaves and assessment of their cytotoxicity, antioxidant, antimicrobial, and cutaneous wound healing properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5234.	1.7	80
3	Preparation, characterization, and assessment of cytotoxicity, antioxidant, antibacterial, antifungal, and cutaneous wound healing properties of titanium nanoparticles using aqueous extract of <i>Ziziphora clinopodioides</i> Lam leaves. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5009.	1.7	64
4	Fabrication of a novel enzymatic electrochemical biosensor for determination of tyrosine in some food samples. <i>Talanta</i> , 2018, 183, 1-10.	2.9	58
5	Fabrication of a novel and ultrasensitive label-free electrochemical aptasensor for detection of biomarker prostate specific antigen. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1065-1073.	3.6	53
6	MATLAB in electrochemistry: A review. <i>Talanta</i> , 2019, 194, 205-225.	2.9	50
7	An elegant technology for ultrasensitive impedimetric and voltammetric determination of cholestanol based on a novel molecularly imprinted electrochemical sensor. <i>Chemistry and Physics of Lipids</i> , 2020, 229, 104895.	1.5	49
8	Fabrication of a novel impedimetric biosensor for label free detection of DNA damage induced by doxorubicin. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 963-971.	3.6	38
9	Chemometrics-assisted investigation of interactions of Tasmar with human serum albumin at a glassy carbon disk: Application to electrochemical biosensing of electro-inactive serum albumin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 156, 23-35.	1.4	35
10	Simultaneous co-immobilization of three enzymes onto a modified glassy carbon electrode to fabricate a high-performance amperometric biosensor for determination of total cholesterol. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 587-595.	3.6	35
11	Investigation of interactions of Comtan with human serum albumin by mathematically modeled voltammetric data: A study from bio-interaction to biosensing. <i>Bioelectrochemistry</i> , 2018, 123, 162-172.	2.4	33
12	Chemometrical-electrochemical investigation for comparing inhibitory effects of quercetin and its sulfonamide derivative on human carbonic anhydrase II: Theoretical and experimental evidence. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 377-385.	3.6	33
13	Dealing with overlapped and unaligned chromatographic peaks by second-order multivariate calibration for complex sample analysis: Fast and green quantification of eight selected preservatives in facial masks. <i>Journal of Chromatography A</i> , 2018, 1573, 18-27.	1.8	31
14	Synthesis of titanium nanoparticles using <i>Allium eriophyllum</i> Boiss aqueous extract by green synthesis method and evaluation of their remedial properties. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5191.	1.7	31
15	Intellectual modifying a bare glassy carbon electrode to fabricate a novel and ultrasensitive electrochemical biosensor: Application to determination of acrylamide in food samples. <i>Talanta</i> , 2018, 176, 509-517.	2.9	27
16	Chemometrics in investigation of small molecule-biomacromolecule interactions: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 478-493.	3.6	27
17	Fabrication of a novel biosensor for biosensing of bisphenol A and detection of its damage to DNA. <i>Talanta</i> , 2019, 201, 350-357.	2.9	23
18	Fabrication of a novel and high-performance amperometric sensor for highly sensitive determination of ochratoxin A in juice samples. <i>Talanta</i> , 2018, 188, 225-231.	2.9	22

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19	Matrix augmentation as an efficient method for resolving interaction of bromocriptine with human serum albumin: trouble shooting and simultaneous resolution. <i>Heliyon</i> , 2019, 5, e02153.	1.4	19
20	Mimicking enzymatic effects of cytochrome P450 by an efficient biosensor for in vitro detection of DNA damage. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 1004-1010.	3.6	16
21	Evaluation of Antimicrobial and Wound Healing Effects of Gold Nanoparticles Containing <i>Abelmoschus esculentus</i> (L.) Aqueous Extract. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-13.	1.8	13
22	Developing an elegant and integrated electrochemical-theoretical approach for detection of DNA damage induced by 4-nonylphenol. <i>Heliyon</i> , 2019, 5, e02755.	1.4	9
23	Resolving interactions of miglitol with normal and glycated human serum albumin by multivariate methods. <i>Analytical Biochemistry</i> , 2021, 630, 114339.	1.1	9
24	Application of silver nanoparticles containing <i>Gundelia tournefortii</i> L. leaf aqueous extract in the treatment of microbial diseases and cutaneous wound healing. <i>Applied Organometallic Chemistry</i> , 2022, 36, e5491.	1.7	8
25	Introducing a novel chemotherapeutic drug formulated by iron nanoparticles for the clinical trial studies. <i>Applied Organometallic Chemistry</i> , 2022, 36, e5498.	1.7	5
26	Chemometric modeling of the electrochemical data to investigate proline cis/trans isomeration effect on aggregation of Tau protein. <i>Protein Expression and Purification</i> , 2021, 182, 105858.	0.6	3
27	Prediction of chemical oxygen demand (COD) with total organic carbon (TOC) to eliminate the interferences of high concentration of chloride ion in oilfield wastewaters. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1209-1219.	1.8	2
28	Introducing an interesting and novel strategy based on exploiting first-order advantage from spectrofluorimetric data for monitoring three toxic metals in living cells. <i>Toxicology Reports</i> , 2022, 9, 647-655.	1.6	1