

Jafar Ezzati Nazhad Dolatabadi

List of Publications by Year in descending order

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88
papers

4,555
citations

61945

43
h-index

106281

65
g-index

88
all docs

88
docs citations

88
times ranked

5702
citing authors

#	ARTICLE	IF	CITATIONS
1	PAMAM dendrimers as efficient drug and gene delivery nanosystems for cancer therapy. <i>Applied Materials Today</i> , 2018, 12, 177-190.	2.3	299
2	Electrochemical biosensors for glucose based on metal nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 42, 216-227.	5.8	146
3	Drug targeting using solid lipid nanoparticles. <i>Chemistry and Physics of Lipids</i> , 2014, 181, 56-61.	1.5	143
4	Solid Lipid Nanoparticles as Efficient Drug and Gene Delivery Systems: Recent Breakthroughs. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 151-159.	0.6	127
5	Cytotoxicity and DNA damage properties of tert-butylhydroquinone (TBHQ) food additive. <i>Food Chemistry</i> , 2014, 153, 315-320.	4.2	118
6	DNA binding studies of 2-tert-butylhydroquinone (TBHQ) food additive. <i>Food Chemistry</i> , 2009, 116, 743-747.	4.2	113
7	A review on DNA interaction with synthetic phenolic food additives. <i>Food Research International</i> , 2010, 43, 1223-1230.	2.9	113
8	Applications of diatoms and silica nanotechnology in biosensing, drug and gene delivery, and formation of complex metal nanostructures. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1538-1548.	5.8	108
9	Nanomaterial-based cocaine aptasensors. <i>Biosensors and Bioelectronics</i> , 2015, 68, 95-106.	5.3	102
10	Microparticles containing erlotinib-loaded solid lipid nanoparticles for treatment of non-small cell lung cancer. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1244-1253.	0.9	102
11	Nanomaterial-based molecularly imprinted polymers for pesticides detection: Recent trends and future prospects. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115943.	5.8	102
12	Nanomaterials and new biorecognition molecules based surface plasmon resonance biosensors for mycotoxin detection. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111603.	5.3	101
13	Aptamer functionalized nanomaterials for biomedical applications: Recent advances and new horizons. <i>Nano Today</i> , 2021, 39, 101177.	6.2	100
14	Application of various optical and electrochemical aptasensors for detection of human prostate specific antigen: A review. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111484.	5.3	93
15	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. <i>AAPS PharmSciTech</i> , 2019, 20, 120.	1.5	90
16	Co-delivery of curcumin and Bcl-2 siRNA by PAMAM dendrimers for enhancement of the therapeutic efficacy in HeLa cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110762.	2.5	90
17	Bacterial-derived biopolymers: Advanced natural nanomaterials for drug delivery and tissue engineering. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 367-384.	5.8	89
18	Optical and electrochemical DNA nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 459-472.	5.8	88

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19	Carbon Nanotubes as an Advanced Drug and Gene Delivery Nanosystem. <i>Current Nanoscience</i> , 2011, 7, 297-314.	0.7	87
20	Nano graphene oxide: A novel carrier for oral delivery of flavonoids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 331-338.	2.5	83
21	Formulation, characterization and cytotoxicity studies of alendronate sodium-loaded solid lipid nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 21-28.	2.5	82
22	Nanomaterials on the road to microRNA detection with optical and electrochemical nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 55, 24-42.	5.8	82
23	Nanomaterials based surface plasmon resonance signal enhancement for detection of environmental pollutions. <i>Biosensors and Bioelectronics</i> , 2019, 127, 72-84.	5.3	81
24	Cytotoxicity and DNA Fragmentation Properties of Butylated Hydroxyanisole. <i>DNA and Cell Biology</i> , 2013, 32, 98-103.	0.9	80
25	Solid lipid-based nanocarriers as efficient targeted drug and gene delivery systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 100-108.	5.8	77
26	Surface functionalized dendrimers as controlled-release delivery nanosystems for tumor targeting. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 311-330.	1.9	77
27	Spectroscopic Studies on the Interaction of Quercetin-Terbium(III) Complex with Calf Thymus DNA. <i>DNA and Cell Biology</i> , 2011, 30, 195-201.	0.9	71
28	Development of dry powder inhaler formulation loaded with alendronate solid lipid nanoparticles: solid-state characterization and aerosol dispersion performance. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 1431-1437.	0.9	71
29	Molecular aspects on the interaction of quercetin and its metal complexes with DNA. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 227-233.	3.6	68
30	Nanomaterials and phase sensitive based signal enhancement in surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2018, 110, 118-131.	5.3	68
31	Kinetic and thermodynamic studies of bovine serum albumin interaction with ascorbyl palmitate and ascorbyl stearate food additives using surface plasmon resonance. <i>Food Chemistry</i> , 2018, 246, 228-232.	4.2	68
32	Spectroscopic and molecular modeling studies of human serum albumin interaction with propyl gallate. <i>RSC Advances</i> , 2014, 4, 64559-64564.	1.7	60
33	Cyto/Genotoxicity Study of Polyoxyethylene (20) Sorbitan Monolaurate (Tween 20). <i>DNA and Cell Biology</i> , 2013, 32, 498-503.	0.9	59
34	Safety assessment of sodium acetate, sodium diacetate and potassium sorbate food additives. <i>Food Chemistry</i> , 2018, 257, 211-215.	4.2	57
35	Preparation, Characterization, and DNA Binding Studies of Water-Soluble Quercetin-Molybdenum(VI) Complex. <i>DNA and Cell Biology</i> , 2011, 30, 517-523.	0.9	56
36	Multi-spectroscopic and molecular modeling studies of bovine serum albumin interaction with sodium acetate food additive. <i>Food Chemistry</i> , 2017, 228, 265-269.	4.2	56

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37	Nanomaterial-based electrochemical immunosensors as advanced diagnostic tools. <i>Analytical Methods</i> , 2014, 6, 3891-3900.	1.3	54
38	<i>In Vitro</i> Study of Calf Thymus DNA Interaction with Butylated Hydroxyanisole. <i>DNA and Cell Biology</i> , 2009, 28, 535-540.	0.9	53
39	Geno- and cytotoxicity of propyl gallate food additive. <i>Drug and Chemical Toxicology</i> , 2014, 37, 241-246.	1.2	53
40	Kinetic and thermodynamic insights into interaction of albumin with piperacillin: Spectroscopic and molecular modeling approaches. <i>Journal of Molecular Liquids</i> , 2019, 296, 111770.	2.3	50
41	In vitro studies on calf thymus DNA interaction and 2-tert-butyl-4-methylphenol food additive. <i>European Food Research and Technology</i> , 2010, 230, 821-825.	1.6	48
42	Preparation of a new electrochemical sensor based on iron (III) complexes modified carbon paste electrode for simultaneous determination of mefenamic acid and indomethacin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 91-97.	2.5	48
43	Nano-based delivery systems for berberine: A modern anti-cancer herbal medicine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111188.	2.5	47
44	Formulation, characterization, and geno/cytotoxicity studies of galbanic acid-loaded solid lipid nanoparticles. <i>Pharmaceutical Biology</i> , 2015, 53, 1525-1538.	1.3	46
45	Pharmacokinetic and toxicological aspects of potassium sorbate food additive and its constituents. <i>Trends in Food Science and Technology</i> , 2018, 80, 123-130.	7.8	44
46	Bovine serum albumin binding study to erlotinib using surface plasmon resonance and molecular docking methods. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 11-15.	1.7	39
47	Kinetic studies of bovine serum albumin interaction with PG and TBHQ using surface plasmon resonance. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 1045-1050.	3.6	38
48	Aptamer-functionalized metal organic frameworks as an emerging nanoprobe in the food safety field: Promising development opportunities and translational challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116622.	5.8	37
49	Kinetic and thermodynamic study of bovine serum albumin interaction with rifampicin using surface plasmon resonance and molecular docking methods. <i>Journal of Biomedical Optics</i> , 2017, 22, 037002.	1.4	35
50	Surface plasmon resonance and molecular docking studies of bovine serum albumin interaction with neomycin: kinetic and thermodynamic analysis. <i>Biolmpacts</i> , 2017, 7, 91-97.	0.7	35
51	Molecular and technical aspects on the interaction of serum albumin with multifunctional food preservatives. <i>Food Chemistry</i> , 2019, 293, 491-498.	4.2	34
52	Sensitive aptasensing of ciprofloxacin residues in raw milk samples using reduced graphene oxide and nanogold-functionalized poly(amidoamine) dendrimer: An innovative apta-platform towards electroanalysis of antibiotics. <i>Analytica Chimica Acta</i> , 2021, 1174, 338736.	2.6	34
53	Carbon-based aerogels for biomedical sensing: Advances toward designing the ideal sensor. <i>Advances in Colloid and Interface Science</i> , 2021, 298, 102550.	7.0	33
54	Spectroscopic, thermodynamic and molecular docking studies of bovine serum albumin interaction with ascorbyl palmitate food additive. <i>Biolmpacts</i> , 2017, 7, 241-246.	0.7	30

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55	Synthesis, Characterization and Antioxidant Property of Quercetin-Tb(III) Complex. <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, 101-4.	0.6	30
56	Synergizing Functional Nanomaterials with Aptamers Based on Electrochemical Strategies for Pesticide Detection: Current Status and Perspectives. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1818-1845.	1.8	27
57	Multi-spectroscopic, thermodynamic and molecular docking insights into interaction of bovine serum albumin with calcium lactate. <i>Microchemical Journal</i> , 2020, 154, 104580.	2.3	21
58	Apoptosis and DNA damage induced by silica nanoparticles and formaldehyde in human lung epithelial cells. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18592-18601.	2.7	21
59	A fast and simple spectrofluorometric method for the determination of alendronate sodium in pharmaceuticals. <i>BioImpacts</i> , 2014, 4, 39-42.	0.7	20
60	Cytotoxicity and Genotoxicity Assessment of Ascorbyl Palmitate (AP) Food Additive. <i>Advanced Pharmaceutical Bulletin</i> , 2018, 8, 341-346.	0.6	18
61	Formulation, characterization and cytotoxicity evaluation of ketotifen-loaded nanostructured lipid carriers. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 268-273.	1.4	17
62	Kinetic and thermodynamic studies of sunitinib malate interaction with albumin using surface plasmon resonance and molecular docking methods. <i>Microchemical Journal</i> , 2019, 150, 104089.	2.3	17
63	Albumin binding study to sodium lactate food additive using spectroscopic and molecular docking approaches. <i>Journal of Molecular Liquids</i> , 2020, 310, 113259.	2.3	17
64	Surface plasmon resonance signal enhancement based on erlotinib loaded magnetic nanoparticles for evaluation of its interaction with human lung cancer cells. <i>Optics and Laser Technology</i> , 2021, 133, 106521.	2.2	17
65	Analytical overview of DNA interaction with Morin and its metal complexes. <i>European Food Research and Technology</i> , 2012, 235, 367-373.	1.6	16
66	<i>Nigella sativa</i> and its Derivatives as Food Toxicity Protectant Agents. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 22-37.	0.6	16
67	Thermodynamic analysis of albumin interaction with monosodium glutamate food additive: Insights from multi-spectroscopic and molecular docking approaches. <i>Journal of Molecular Structure</i> , 2020, 1221, 128785.	1.8	16
68	Silencing of HMGA2 by siRNA Loaded Methotrexate Functionalized Polyamidoamine Dendrimer for Human Breast Cancer Cell Therapy. <i>Genes</i> , 2021, 12, 1102.	1.0	15
69	Kinetic and thermodynamic insights into interaction of erlotinib with epidermal growth factor receptor: Surface plasmon resonance and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 954-958.	3.6	14
70	Lysine Decorated Solid Lipid Nanoparticles of Epirubicin for Cancer Targeting and Therapy. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 96-103.	0.6	14
71	Complex of manganese (II) with curcumin: Spectroscopic characterization, DFT study, model-based analysis and antiradical activity. <i>Journal of Molecular Structure</i> , 2016, 1109, 139-145.	1.8	12
72	Immuno-biosensor for Detection of CD20-Positive Cells Using Surface Plasmon Resonance. <i>Advanced Pharmaceutical Bulletin</i> , 2017, 7, 189-194.	0.6	12

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73	Applications of scaffold-based advanced materials in biomedical sensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116342.	5.8	11
74	The protective effect of thymoquinone on tert-butylhydroquinone induced cytotoxicity in human umbilical vein endothelial cells. <i>Toxicology Research</i> , 2019, 8, 1050-1056.	0.9	8
75	Binding process evaluation of bovine serum albumin and Lawsonia inermis (henna) through spectroscopic and molecular docking approaches. <i>Journal of Molecular Liquids</i> , 2021, 331, 115792.	2.3	8
76	Tips on ligand immobilization and kinetic study using surface plasmon resonance. <i>BiolImpacts</i> , 2016, 6, 117-118.	0.7	8
77	Apo ferritin-templated biosynthesis of manganese nanoparticles and investigation of direct electron transfer of MnNPs@HsAFr at modified glassy carbon electrode. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 110-116.	1.4	7
78	Nanotechnology for pharmaceuticals. , 2019, , 475-502.		7
79	PAMAM Dendrimers as a Delivery System for Small Interfering RNA. <i>Methods in Molecular Biology</i> , 2020, 2115, 91-106.	0.4	7
80	Exploring the binding mode between potassium bromate and Bovine serum Albumin: Multi-Spectroscopic and molecular modeling analysis. <i>Journal of Molecular Liquids</i> , 2022, 348, 118060.	2.3	4
81	Interaction of donepezil with tau protein: Insights from surface plasmon resonance and molecular modeling methods. <i>Journal of Molecular Liquids</i> , 2021, 333, 115924.	2.3	3
82	Quercetin Delivery into Cancer Cells with Single Walled Carbon Nanotubes. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , 2011, , 21-25.	0.2	3
83	Dendrimers for gene therapy. , 2021, , 285-309.		2
84	Kinetic and thermodynamic study of c-Met interaction with single chain fragment variable (scFv) antibodies using phage based surface plasmon resonance. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 150, 105362.	1.9	1
85	Lysine Decorated Solid Lipid Nanoparticles of Epirubicin for Cancer Targeting and Therapy. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 96-103.	0.6	1
86	The combination of berberine and methotrexate enhances anti-cancer effects in HeLa cancer cell line: A morphological study. <i>Pharmaceutical Sciences</i> , 2021, , .	0.1	0
87	Anticancer effects of <i>Melissa officinalis</i> : A traditional medicine. <i>Pharmaceutical Sciences</i> , 2021, , .	0.1	0
88	Anti-proliferative and apoptotic effect of tetrahydrobenzo[h]quinoline on MCF-7 human breast cancer cell. <i>Pharmaceutical Sciences</i> , 2021, , .	0.1	0