

Ali Jahanban-Esfahlan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,452
citations

172207

29
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of glutathione with bovine serum albumin: Spectroscopy and molecular docking. Food Chemistry, 2016, 202, 426-431.	4.2	181
2	The importance of almond (<i>Prunus amygdalus</i> L.) and its by-products. Food Chemistry, 2010, 120, 349-360.	4.2	172
3	Recent developments in the detection of bovine serum albumin. International Journal of Biological Macromolecules, 2019, 138, 602-617.	3.6	165
4	A simple improved desolvation method for the rapid preparation of albumin nanoparticles. International Journal of Biological Macromolecules, 2016, 91, 703-709.	3.6	156
5	Spectroscopic and molecular docking studies on the interaction between <i>N</i> -acetyl cysteine and bovine serum albumin. Biopolymers, 2015, 103, 638-645.	1.2	116
6	A Comprehensive Review on the Chemical Constituents and Functional Uses of Walnut (<i>Juglans</i> spp.) Husk. International Journal of Molecular Sciences, 2019, 20, 3920.	1.8	114
7	A Comparative Review on the Extraction, Antioxidant Content and Antioxidant Potential of Different Parts of Walnut (<i>Juglans regia</i> L.) Fruit and Tree. Molecules, 2019, 24, 2133.	1.7	113
8	Latest developments in the detection and separation of bovine serum albumin using molecularly imprinted polymers. Talanta, 2020, 207, 120317.	2.9	98
9	Antioxidants and antiradicals in almond hull and shell (<i>Amygdalus communis</i> L.) as a function of genotype. Food Chemistry, 2009, 115, 529-533.	4.2	90
10	Horizontal Gene Transfer: From Evolutionary Flexibility to Disease Progression. Frontiers in Cell and Developmental Biology, 2020, 8, 229.	1.8	80
11	Molecular interactions of thymol with bovine serum albumin: Spectroscopic and molecular docking studies. Journal of Molecular Recognition, 2018, 31, e2704.	1.1	79
12	Antiradical activity of different parts of Walnut (<i>Juglans regia</i> L.) fruit as a function of genotype. Food Chemistry, 2012, 135, 2404-2410.	4.2	78
13	Tumor Cell Dormancy: Threat or Opportunity in the Fight against Cancer. Cancers, 2019, 11, 1207.	1.7	75
14	Investigating the interaction of juglone (5-hydroxy-1, 4-naphthoquinone) with serum albumins using spectroscopic and in silico methods. Journal of the Iranian Chemical Society, 2017, 14, 1527-1540.	1.2	70
15	Recent advances on portable sensing and biosensing assays applied for detection of main chemical and biological pollutant agents in water samples: A critical review. TrAC - Trends in Analytical Chemistry, 2021, 143, 116344.	5.8	69
16	Characterizing the interaction between pyrogallol and human serum albumin by spectroscopic and molecular docking methods. Journal of Biomolecular Structure and Dynamics, 2019, 37, 2766-2775.	2.0	68
17	Combination of nanotechnology with vascular targeting agents for effective cancer therapy. Journal of Cellular Physiology, 2018, 233, 2982-2992.	2.0	60
18	State of the art: Lateral flow assays toward the point-of-care foodborne pathogenic bacteria detection in food samples. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 1868-1912.	5.9	60

#	ARTICLE	IF	CITATIONS
19	Walnut (<i>Juglans regia</i> L.) shell pyroligneous acid: chemical constituents and functional applications. <i>RSC Advances</i> , 2018, 8, 22376-22391.	1.7	55
20	Lateral flow assays (LFA) for detection of pathogenic bacteria: A small point-of-care platform for diagnosis of human infectious diseases. <i>Talanta</i> , 2022, 243, 123330.	2.9	54
21	Fabrication and characterization of novel antibacterial chitosan/dialdehyde guar gum hydrogels containing pomegranate peel extract for active food packaging application. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 179-188.	3.6	52
22	Recent advances in the use of walnut (<i>Juglans regia</i> L.) shell as a valuable plant-based bio-sorbent for the removal of hazardous materials. <i>RSC Advances</i> , 2020, 10, 7026-7047.	1.7	48
23	Development of Ethyl Cellulose-based Formulations: A Perspective on the Novel Technical Methods. <i>Food Reviews International</i> , 2022, 38, 685-732.	4.3	47
24	Lateral flow assays (LFA) as an alternative medical diagnosis method for detection of virus species: The intertwine of nanotechnology with sensing strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 145, 116460.	5.8	45
25	Exploring the Interactions Between Caffeic Acid and Human Serum Albumin Using Spectroscopic and Molecular Docking Techniques. <i>Polish Journal of Food and Nutrition Sciences</i> , 2021, , 69-77.	0.6	39
26	Implications of resistin in type 2 diabetes mellitus and coronary artery disease: Impairing insulin function and inducing pro-inflammatory cytokines. <i>Journal of Cellular Physiology</i> , 2019, 234, 21758-21769.	2.0	36
27	Cell-free protein synthesis: The transition from batch reactions to minimal cells and microfluidic devices. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1204-1229.	1.7	32
28	Dynamic DNA nanostructures in biomedicine: Beauty, utility and limits. <i>Journal of Controlled Release</i> , 2019, 315, 166-185.	4.8	31
29	Static DNA Nanostructures For Cancer Theranostics: Recent Progress In Design And Applications. <i>Nanotechnology, Science and Applications</i> , 2019, Volume 12, 25-46.	4.6	30
30	Antioxidant and antiradical activities of phenolic extracts from Iranian almond (<i>Prunus amygdalus</i> L.) hulls and shells. <i>Turkish Journal of Biology</i> , 0, , .	2.1	27
31	The Possible Impact of Obesity on Androgen, Progesterone and Estrogen Receptors (ER α and ER β) Gene Expression in Breast Cancer Patients. <i>Breast Cancer: Basic and Clinical Research</i> , 2011, 5, BCBCR.S7707.	0.6	26
32	Antioxidants in different parts of oleaster as a function of genotype. <i>BioImpacts</i> , 2015, 5, 79-85.	0.7	22
33	Immobilization of α -amylase in ethylcellulose electrospun fibers using emulsion-electrospinning method. <i>Carbohydrate Polymers</i> , 2022, 278, 118919.	5.1	20
34	The beneficial effects of almond (<i>Prunus amygdalus</i> Batsch) hull on serum lipid profile and antioxidant capacity in male rats. <i>Turkish Journal of Medical Sciences</i> , 2016, 46, 1223-1232.	0.4	13
35	Properties of biological activity of ten wild almond (<i>Prunus amygdalus</i> L.) species. <i>Turkish Journal of Biology</i> , 0, , .	2.1	10
36	Perspectives and trends in advanced DNA biosensors for the recognition of single nucleotide polymorphisms. <i>Chemical Engineering Journal</i> , 2022, 441, 135988.	6.6	10

#	ARTICLE	IF	CITATIONS
37	Preparation and Antiproliferative Activity Evaluation of Juglone-Loaded BSA Nanoparticles. <i>Advanced Pharmaceutical Bulletin</i> , 2022, , .	0.6	6
38	The tricks for fighting against cancer using CAR NK cells: A review. <i>Molecular and Cellular Probes</i> , 2022, 63, 101817.	0.9	5