

# Arefeh Seyedarabi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

577  
citations

13  
h-index

23  
g-index

37  
ext. papers

644  
ext. citations

4.3  
avg, IF

3.53  
L-index

#	Paper	IF	Citations
36	Unravelling the Novel Effects of Three Volatile Compounds in Preventing Fibril Formation of Disease Related Tau and $\beta$ Synuclein Proteins- Towards Identifying Candidate Aromatic Substances for Treating Neurodegenerative Diseases.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 793727	5.6	0
35	The aroma of TEMED as an activation and stabilizing signal for the antibacterial enzyme HEWL. <i>PLoS ONE</i> , <b>2020</b> , 15, e0232953	3.7	2
34	The role of Cinnamaldehyde and Phenyl ethyl alcohol as two types of precipitants affecting protein hydration levels. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 705-715	7.9	2
33	Highlighting the Importance of Water Alkalinity Using Phosphate Buffer Diluted With Deionized, Double Distilled and Tap Water, in Lowering Oxidation Effects on Human Hemoglobin Ozonated at High Ozone Concentrations. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 543960	5.6	1
32	The aroma of TEMED as an activation and stabilizing signal for the antibacterial enzyme HEWL <b>2020</b> , 15, e0232953		
31	The aroma of TEMED as an activation and stabilizing signal for the antibacterial enzyme HEWL <b>2020</b> , 15, e0232953		
30	The aroma of TEMED as an activation and stabilizing signal for the antibacterial enzyme HEWL <b>2020</b> , 15, e0232953		
29	The aroma of TEMED as an activation and stabilizing signal for the antibacterial enzyme HEWL <b>2020</b> , 15, e0232953		
28	Propolis nanoparticles prevent structural changes in human hemoglobin during glycation and fructation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 177, 188-195	6	9
27	Novel X-ray sequences and crystal structures of Persian and Starry sturgeon methemoglobins: Highlighting the role of heme pocket waters in causing autoxidation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2019</b> , 1867, 586-594	4	1
26	Personalizing the safe, appropriate and effective concentration(s) of ozone for a non-diabetic individual and four type II diabetic patients in autohemotherapy through blood hemoglobin analysis. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 227	8.5	6
25	Cinnamaldehyde and Phenyl Ethyl Alcohol promote the entrapment of intermediate species of HEWL, as revealed by structural, kinetics and thermal stability studies. <i>Scientific Reports</i> , <b>2019</b> , 9, 18615	4.9	7
24	Molecular insights into the effect of ozone on human hemoglobin in autohemotherapy: Highlighting the importance of the presence of blood antioxidants during ozonation. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 119, 1276-1285	7.9	8
23	Unraveling the novel effects of aroma from small molecules in preventing hen egg white lysozyme amyloid fibril formation. <i>PLoS ONE</i> , <b>2018</b> , 13, e0189754	3.7	14
22	Antiproliferative and interaction studies of a synthesized palladium(II) complex with human hemoglobin. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 249, 265-271	6	14
21	Colon Cancer and Specific Ways to Deliver Drugs to the Large Intestine. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2017</b> , 17, 1317-1327	2.2	9
20	Magnetic nanoparticles as double-edged swords: concentration-dependent ordering or disordering effects on lysozyme. <i>RSC Advances</i> , <b>2017</b> , 7, 54813-54822	3.7	9

19	Protective effects of aspirin on the function of bovine liver catalase: A spectroscopy and molecular docking study. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 218, 8-15	6	29
18	Induction of Apoptosis by Green Synthesized Gold Nanoparticles Through Activation of Caspase-3 and 9 in Human Cervical Cancer Cells. <i>Avicenna Journal of Medical Biotechnology</i> , <b>2016</b> , 8, 75-83	1.4	65
17	Inhibition of fluorescent advanced glycation end products (AGEs) of human serum albumin upon incubation with 3-Hydroxybutyrate. <i>Molecular Biology Reports</i> , <b>2014</b> , 41, 3705-13	2.8	13
16	The design and characterization of a novel beta-casein nano-vehicle loaded with platinum anticancer drug for drug delivery. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2014</b> , 14, 892-900	2.2	14
15	A surfactant-free sulfonamide-imidazole system as a nano-artificial enzyme. <i>Journal of the Iranian Chemical Society</i> , <b>2013</b> , 10, 961-968	2	10
14	Thermodynamics of a molten globule state of human serum albumin by 3-Hydroxybutyrate as a ketone body. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 54, 258-63	7.9	15
13	Production of soluble human vascular endothelial growth factor VEGF-A165-heparin binding domain in Escherichia coli. <i>PLoS ONE</i> , <b>2013</b> , 8, e55690	3.7	11
12	Structural effects of TiO <sub>2</sub> nanoparticles and doxorubicin on DNA and their antiproliferative roles in T47D and MCF7 cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2013</b> , 13, 932-51	2.2	9
11	Characterization and side effect analysis of a newly designed nanoemulsion targeting human serum albumin for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 98, 80-4	6	23
10	An enzyme-trap approach allows isolation of intermediates in cobalamin biosynthesis. <i>Nature Chemical Biology</i> , <b>2012</b> , 8, 933-40	11.7	49
9	Calorimetric and spectroscopic investigations of Lactoglobulin upon interaction with copper ion. <i>Journal of Dairy Research</i> , <b>2012</b> , 79, 209-15	1.6	8
8	The orchestrators of Shigella flexneri infection. <i>Crystallography Reviews</i> , <b>2010</b> , 16, 145-165	1.3	1
7	Structural insights into substrate specificity and the anti beta-elimination mechanism of pectate lyase. <i>Biochemistry</i> , <b>2010</b> , 49, 539-46	3.2	40
6	A disulfide driven domain swap switches off the activity of Shigella IpaH9.8 E3 ligase. <i>FEBS Letters</i> , <b>2010</b> , 584, 4163-8	3.8	29
5	Cloning, purification and preliminary crystallographic analysis of cobalamin methyltransferases from Rhodobacter capsulatus. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2010</b> , 66, 1652-6		2
4	Structure of a trimeric bacterial microcompartment shell protein, EtuB, associated with ethanol utilization in Clostridium kluyveri. <i>Biochemical Journal</i> , <b>2009</b> , 423, 199-207	3.8	64
3	Structure of internalin C from Listeria monocytogenes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2006</b> , 62, 1287-93		14
2	Shigella effector IpaH9.8 binds to a splicing factor U2AF(35) to modulate host immune responses. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 333, 531-9	3.4	98

- 1 Binding of Lipoic acid to human serum albumin: spectroscopic and molecular modeling studies. 1.4 1  
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