

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5130733/ejaz-ahmad-publications-by-citations.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

45 papers	2,659 citations	27 h-index	47 g-index
47 ext. papers	2,987 ext. citations	4.2 avg, IF	4.88 L-index

#	Paper	IF	Citations
45	Ligand binding strategies of human serum albumin: how can the cargo be utilized?. <i>Chirality</i> , 2010 , 22, 77-87	2.1	257
44	Elucidating the interaction of limonene with bovine serum albumin: a multi-technique approach. <i>Molecular BioSystems</i> , 2015 , 11, 307-16		190
43	Sol-gel synthesis of thorn-like ZnO nanoparticles endorsing mechanical stirring effect and their antimicrobial activities: Potential role as nano-antibiotics. <i>Scientific Reports</i> , 2016 , 6, 27689	4.9	190
42	pH-Induced molten globule state of <i>Rhizopus niveus</i> lipase is more resistant against thermal and chemical denaturation than its native state. <i>Cell Biochemistry and Biophysics</i> , 2012 , 62, 487-99	3.2	177
41	pH-dependent conformational transitions in conalbumin (ovotransferrin), a metalloproteinase from hen egg white. <i>Cell Biochemistry and Biophysics</i> , 2011 , 61, 551-60	3.2	149
40	Stereo-selectivity of human serum albumin to enantiomeric and isoelectronic pollutants dissected by spectroscopy, calorimetry and bioinformatics. <i>PLoS ONE</i> , 2011 , 6, e26186	3.7	112
39	Impact of structural stability of cold adapted <i>Candida antarctica</i> lipase B (CaLB): in relation to pH, chemical and thermal denaturation. <i>RSC Advances</i> , 2015 , 5, 20115-20131	3.7	110
38	Antibacterial and cytotoxic efficacy of extracellular silver nanoparticles biofabricated from chromium reducing novel OS4 strain of <i>Stenotrophomonas maltophilia</i> . <i>PLoS ONE</i> , 2013 , 8, e59140	3.7	108
37	SDS can be utilized as an amyloid inducer: a case study on diverse proteins. <i>PLoS ONE</i> , 2012 , 7, e29694	3.7	103
36	A comprehensive insight into binding of hippuric acid to human serum albumin: a study to uncover its impaired elimination through hemodialysis. <i>PLoS ONE</i> , 2013 , 8, e71422	3.7	102
35	Sub-MICs of <i>Mentha piperita</i> essential oil and menthol inhibits AHL mediated quorum sensing and biofilm of Gram-negative bacteria. <i>Frontiers in Microbiology</i> , 2015 , 6, 420	5.7	95
34	Biophysical insight into furosemide binding to human serum albumin: a study to unveil its impaired albumin binding in uremia. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2595-604	3.4	93
33	Nanoparticles in relation to peptide and protein aggregation. <i>International Journal of Nanomedicine</i> , 2014 , 9, 899-912	7.3	89
32	Structural characteristics of thermostable immunogenic outer membrane protein from <i>Salmonella enterica</i> serovar Typhi. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 2533-43	5.7	86
31	Protonation favors aggregation of lysozyme with SDS. <i>Soft Matter</i> , 2014 , 10, 2591-9	3.6	81
30	Flower-shaped ZnO nanoparticles synthesized by a novel approach at near-room temperatures with antibacterial and antifungal properties. <i>International Journal of Nanomedicine</i> , 2014 , 9, 853-64	7.3	70
29	Pollutant-induced modulation in conformation and β -lactamase activity of human serum albumin. <i>PLoS ONE</i> , 2012 , 7, e38372	3.7	65

28	A mechanistic approach for islet amyloid polypeptide aggregation to develop anti-amyloidogenic agents for type-2 diabetes. <i>Biochimie</i> , 2011 , 93, 793-805	4.6	61
27	Analysis of binding interaction between antibacterial ciprofloxacin and human serum albumin by spectroscopic techniques. <i>Cell Biochemistry and Biophysics</i> , 2014 , 70, 93-101	3.2	42
26	Identification and design of antimicrobial peptides for therapeutic applications. <i>Current Protein and Peptide Science</i> , 2012 , 13, 211-23	2.8	39
25	Monomeric banana lectin at acidic pH overrules conformational stability of its native dimeric form. <i>PLoS ONE</i> , 2013 , 8, e62428	3.7	36
24	Fluoroalcohols-induced modulation and amyloid formation in conalbumin. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 606-14	7.9	35
23	Revisiting ligand-induced conformational changes in proteins: essence, advancements, implications and future challenges. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 630-48	3.6	35
22	Concentration-dependent antagonistic persuasion of SDS and naphthalene derivatives on the fibrillation of stem bromelain. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 540, 101-16	4.1	32
21	Structural stability as a probe for molecular evolution of homologous albumins studied by spectroscopy and bioinformatics. <i>Cell Biochemistry and Biophysics</i> , 2011 , 61, 313-25	3.2	31
20	More stable structure of wheat germ lipase at low pH than its native state. <i>Biochimie</i> , 2010 , 92, 885-93	4.6	31
19	Biophysical insight into the interaction mechanism of plant derived polyphenolic compound tannic acid with homologous mammalian serum albumins. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 2450-2464	7.9	30
18	1-Anilino-8-naphthalene sulfonate (ANS) is not a desirable probe for determining the molten globule state of chymopapain. <i>PLoS ONE</i> , 2012 , 7, e50633	3.7	26
17	Protease inhibitors: a panacea?. <i>Journal of Biochemical and Molecular Toxicology</i> , 2010 , 24, 270-7	3.4	26
16	Cissus quadrangularis Linn exerts dose-dependent biphasic effects: osteogenic and anti-proliferative, through modulating ROS, cell cycle and Runx2 gene expression in primary rat osteoblasts. <i>Cell Proliferation</i> , 2015 , 48, 443-54	7.9	25
15	Biogenic terbium oxide nanoparticles as the vanguard against osteosarcoma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 168, 123-131	4.4	20
14	The minimal structural requirement of concanavalin A that retains its functional aspects. <i>Journal of Biochemistry</i> , 2007 , 142, 307-15	3.1	13
13	Direct interactions of mitotic arrest deficient 1 (MAD1) domains with each other and MAD2 conformers are required for mitotic checkpoint signaling. <i>Journal of Biological Chemistry</i> , 2018 , 293, 484-496	5.4	12
12	MAD1: Kinetochore Receptors and Catalytic Mechanisms. <i>Frontiers in Cell and Developmental Biology</i> , 2018 , 6, 51	5.7	11
11	Flexibility of EF-hand motifs: structural and thermodynamic studies of Calcium Binding Protein-1 from <i>Entamoeba histolytica</i> with Pb ²⁺ , Ba ²⁺ , and Sr ²⁺ . <i>BMC Biophysics</i> , 2012 , 5, 15	0	11

10	Phytolacca americana lectin (Pa-2; pokeweed mitogen): an intrinsically unordered protein and its conversion into partial order at low pH. <i>Bioscience Reports</i> , 2009 , 30, 125-34	4.1	11
9	Non-native states of bovine beta-lactoglobulin induced by acetonitrile: pH-dependent unfolding of the two genetic variants A and B. <i>Cell Biochemistry and Biophysics</i> , 2013 , 66, 175-85	3.2	9
8	In silico prediction and analysis of Caenorhabditis EF-hand containing proteins. <i>PLoS ONE</i> , 2012 , 7, e36770	3.07	9
7	Anti-quorum Sensing and Anti-biofilm Activity of Zinc Oxide Nanospikes. <i>ACS Omega</i> , 2020 , 5, 32203-32215	3.15	8
6	An alternate high yielding purification method for Clitoria ternatea lectin. <i>International Journal of Biological Macromolecules</i> , 2007 , 41, 481-6	7.9	8
5	Crystal structure and trimer-monomer transition of N-terminal domain of EhCaBP1 from Entamoeba histolytica. <i>Biophysical Journal</i> , 2010 , 98, 2933-42	2.9	7
4	Purification and characterization of mannose/glucose-specific lectin from seeds of Trigonella foenumgraecum. <i>Biochemistry (Moscow)</i> , 2007 , 72, 44-8	2.9	7
3	At very low concentrations known chaotropes act as kosmotropes for the N and B isoforms of human serum albumin. <i>Biochemistry and Cell Biology</i> , 2013 , 91, 72-8	3.6	5
2	Characterization and in vitro cytotoxic assessment of zinc oxide nano-particles in human epidermoid carcinoma cells. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105636	6.8	1
1	C-terminal domain of Mad1 interacts with Mad2 to catalyze O-C Mad2 conversion in coordination with mitotic checkpoints. <i>FASEB Journal</i> , 2018 , 32, 533.106	0.9	