

Javed Masood Khan

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.

99
papers

2,167
citations

26
h-index

42
g-index

102
ext. papers

2,599
ext. citations

5
avg, IF

5.23
L-index

#	Paper	IF	Citations
99	Biosynthesized Zinc Oxide Nanoparticles Disrupt Established Biofilms of Pathogenic Bacteria. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 710	2.6	6
98	FL-PMI: Federated Learning-Based Person Movement Identification through Wearable Devices in Smart Healthcare Systems.. <i>Sensors</i> , 2022 , 22,	3.8	6
97	Impact of ethanol and NaCl on the acid yellow dye mediated self-aggregation of sodium dodecyl sulfate: A combined investigation by conductivity and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2022 , 345, 117819	6	
96	SDS modulates amyloid fibril formation and conformational change in succinyl-ConA at low pH. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 267, 120494	4.4	0
95	Taxon-specific zeta-crystallin of camel eye lens: A comparative in silico studies. <i>Journal of King Saud University - Science</i> , 2022 , 34, 101973	3.6	
94	Modulation of the Structure and Stability of Novel Camel Lens Alpha-Crystallin by pH and Thermal Stress. <i>Gels</i> , 2022 , 8, 273	4.2	0
93	Non-enzymatic glycation enhances anionic surfactant induced aggregation and amyloidogenesis. <i>Journal of Molecular Liquids</i> , 2022 , 359, 119249	6	
92	Molecular interaction of Sunset Yellow with whey protein: Multi-spectroscopic techniques and computational study. <i>Journal of Molecular Liquids</i> , 2021 , 345, 117838	6	4
91	Bimolecular interaction of zwitterionic surfactant with hen egg white lysozyme (HEWL): A biophysical study. <i>Journal of King Saud University - Science</i> , 2021 , 101674	3.6	
90	Influence of NaCl and temperature on the interaction between cephradine monohydrate and surfactants: Conductivity and UV-visible measurements. <i>Journal of Molecular Liquids</i> , 2021 , 328, 115418	6	14
89	The role of the multifunctional antimicrobial peptide melittin in gene delivery. <i>Drug Discovery Today</i> , 2021 , 26, 1053-1059	8.8	5
88	Quinoline yellow dye stimulates whey protein fibrillation via electrostatic and hydrophobic interaction: A biophysical study. <i>Journal of Dairy Science</i> , 2021 , 104, 5141-5151	4	1
87	Conductivity and cloud point studies of the interaction of lomefloxacin hydrochloride with anionic and nonionic surfactants in electrolytes solution. <i>Journal of Molecular Liquids</i> , 2021 , 116953	6	3
86	Conductivity, cloud point and molecular dynamics investigations of the interaction of surfactants with ciprofloxacin hydrochloride drug: Effect of electrolytes. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114683	6	21
85	Clouding phenomena and thermodynamics of TX-100 + polyethylene glycol mixture: influence of several electrolytes. <i>Chemical Papers</i> , 2021 , 75, 1363-1375	1.9	6
84	Interaction of metformin hydrochloride with ionic surfactants in aqueous and NaCl solution: Effect of temperatures and compositions. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4166	2.1	7
83	Honeybee nutrition and pollen substitutes: A review. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 1167-1176	1.176	9

82	Industrially important enzyme bovine liver catalase forms amyloid in the presence of 14-4-14 Gemini surfactant at physiological pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 610, 125909	5.1	1
81	Interaction of tetradecyltrimethylammonium bromide with bovine serum albumin in different compositions: Effect of temperatures and electrolytes/urea. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 29, 279-287	3.2	9
80	Unraveling the mechanism of arbidol binding and inhibition of SARS-CoV-2: Insights from atomistic simulations. <i>European Journal of Pharmacology</i> , 2021 , 894, 173836	5.3	22
79	Investigation of aggregation behavior of ionic surfactant mixture in crystal violet dye solution at different temperatures and solvent compositions: Conductivity and theoretical approach. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116402	6	2
78	Impact of metal nanoparticles on the structure and function of metabolic enzymes. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 576-585	7.9	0
77	Protection of β -crystallin by β -crystallin under thermal stress. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 289-298	7.9	6
76	Janerin Induces Cell Cycle Arrest at the G2/M Phase and Promotes Apoptosis Involving the MAPK Pathway in THP-1, Leukemic Cell Line.. <i>Molecules</i> , 2021 , 26,	4.8	2
75	Cationic gemini surfactant stimulates amyloid fibril formation in bovine liver catalase at physiological pH. A biophysical study.. <i>RSC Advances</i> , 2020 , 10, 43751-43761	3.7	3
74	Molecular interactions of food additive dye quinoline yellow (Qy) with alpha-lactalbumin: Spectroscopic and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113215	6	11
73	Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles From Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines. <i>Frontiers in Microbiology</i> , 2020 , 11, 1680	5.7	21
72	Molecular interaction of tea catechin with bovine β -lactoglobulin: A spectroscopic and in silico studies. <i>Saudi Pharmaceutical Journal</i> , 2020 , 28, 238-245	4.4	19
71	Perturbation of anionic surfactant induced amyloid fibrillation by chemical chaperone: A biophysical study. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113717	6	3
70	Deciphering the role of premicellar and micellar concentrations of sodium dodecyl benzenesulfonate surfactant in insulin fibrillation at pH7.0. <i>International Journal of Biological Macromolecules</i> , 2020 , 148, 880-886	7.9	7
69	Investigating the effect of food additive dye β -carotene on BLG fibrillation under in-vitro condition. A biophysical and molecular docking study. <i>Journal of King Saud University - Science</i> , 2020 , 32, 2034-2040	3.6	5
68	Food color 'Azorubine' interferes with quorum sensing regulated functions and obliterates biofilm formed by food associated bacteria: An and approach. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 1080-1090	4.7	7
67	Pre-micellar concentrations of sodium dodecylbenzene sulphonate induce amyloid-like fibril formation in myoglobin at pH 4.5. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 586, 124240	5.1	3
66	Structural stability and solubility of glycated camel lens β -crystallin. <i>International Journal of Biological Macromolecules</i> , 2020 , 158, 384-393	7.9	2
65	Influence of electrolytes on the cloud point phenomenon of tween-80+lomefloxacin hydrochloride mixtures and their thermodynamic parameters. <i>Journal of Molecular Liquids</i> , 2020 , 318, 113999	6	13

64	Interaction of ferritin iron responsive element (IRE) mRNA with translation initiation factor eIF4F. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 243, 118776	4.4	3
63	SDS induces cross beta-sheet amyloid as well as alpha-helical structure in concanavalin A. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114154	6	3
62	Bio-inspired facile fabrication of silver nanoparticles from grown shoots of : explication of its potential in impeding growth and biofilms of and assessment of wound healing ability.. <i>RSC Advances</i> , 2020 , 10, 30139-30149	3.7	5
61	Different conformational states of hen egg white lysozyme formed by exposure to the surfactant of sodium dodecyl benzenesulfonate. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 54-60 ⁹	7.9	16
60	Alpha-cyclodextrin turns SDS-induced amyloid fibril into native-like structure. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111090	6	8
59	Effect of cetyltrimethylammonium bromide (CTAB) on the conformation of a hen egg white lysozyme: A spectroscopic and molecular docking study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 219, 313-318	4.4	15
58	Millimolar concentration of sodium dodecyl sulfate inhibit thermal aggregation in hen egg white lysozyme via increased helicity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 572, 167-173	5.1	13
57	Strategies in the design of endosomolytic agents for facilitating endosomal escape in nanoparticles. <i>Biochimie</i> , 2019 , 160, 61-75	4.6	53
56	A quercetin-based flavanoid (rutin) reverses amyloid fibrillation in lactoglobulin at pH 2.0 and 358 K. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 214, 40-48	4.4	13
55	A simple solvent extraction and ultra-performance liquid chromatography-tandem mass spectrometric method for the identification and quantification of rhodamine B in commercial lip balm samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 206, 72-77	4.4	2
54	Allura red rapidly induces amyloid-like fibril formation in hen egg white lysozyme at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2019 , 127, 297-305	7.9	12
53	Interference of phosphane copper (I) complexes of carboline with quorum sensing regulated virulence functions and biofilm in foodborne pathogenic bacteria: A first report. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 308-316	4	10
52	Sodium lauryl sarcosinate (sarkosyl) modulate amyloid fibril formation in hen egg white lysozyme (HEWL) at alkaline pH: a molecular insight study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 1550-1565	3.6	12
51	Unveiling the stimulatory effects of tartrazine on human and bovine serum albumin fibrillogenesis: Spectroscopic and microscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 191, 116-124	4.4	22
50	Negatively charged food additive dye "Allura Red" rapidly induces SDS-soluble amyloid fibril in beta-lactoglobulin protein. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 1706-1716	7.9	23
49	Molecular insight into binding behavior of polyphenol (rutin) with beta lactoglobulin: Spectroscopic, molecular docking and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2018 , 269, 511-520	6	60
48	An intermittent amyloid phase found in gemini (G5 and G6) surfactant induced sheet to helix transition in concanavalin A protein. <i>Journal of Molecular Liquids</i> , 2018 , 269, 796-804	6	15
47	Unraveling the molecular mechanism of the effects of sodium dodecyl sulfate, salts, and sugars on amyloid fibril formation in camel IgG. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 430-437	6	17

46	Low Temperature Synthesis of Superparamagnetic Iron Oxide (FeO) Nanoparticles and Their ROS Mediated Inhibition of Biofilm Formed by Food-Associated Bacteria. <i>Frontiers in Microbiology</i> , 2018 , 9, 2567	5.7	34
45	Facile Synthesis of Tin Oxide Hollow Nanoflowers Interfering with Quorum Sensing-Regulated Functions and Bacterial Biofilms. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-11	3.2	13
44	Monomeric Camelus dromedarius GSTM1 at low pH is structurally more thermostable than its native dimeric form. <i>PLoS ONE</i> , 2018 , 13, e0205274	3.7	3
43	Exosomes: A Paradigm in Drug Development against Cancer and Infectious Diseases. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-17	3.2	7
42	Biofabrication of Zinc Oxide Nanoparticle from Ochradenus baccatus Leaves: Broad-Spectrum Antibiofilm Activity, Protein Binding Studies, and In Vivo Toxicity and Stress Studies. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-14	3.2	27
41	Synthetic food additive dye "Tartrazine" triggers amorphous aggregation in cationic myoglobin. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 277-286	7.9	18
40	Rutin inhibits mono and multi-species biofilm formation by foodborne drug resistant Escherichia coli and Staphylococcus aureus. <i>Food Control</i> , 2017 , 79, 325-332	6.2	60
39	Exploring the mode of binding between food additive Butylated hydroxytoluene (BHT) and human serum albumin: Spectroscopic as well as molecular docking study. <i>Journal of Molecular Liquids</i> , 2017 , 230, 557-564	6	25
38	pH induced single step shift of hydrophobic patches followed by formation of an MG state and an amyloidogenic intermediate in Lima Bean Trypsin Inhibitor (LBTI). <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 111-119	7.9	6
37	Influence of antidepressant clomipramine hydrochloride drug on human serum albumin: Spectroscopic study. <i>Journal of Molecular Liquids</i> , 2017 , 241, 91-98	6	47
36	Cationic gemini surfactant (16-4-16) interact electrostatically with anionic plant lectin and facilitates amyloid fibril formation at neutral pH. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 522, 494-502	5.1	18
35	Spectroscopic studies on the gemini surfactant mediated refolding of human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 331-335	7.9	20
34	Study on food safety concerns, knowledge and practices among university students in Saudi Arabia. <i>Food Control</i> , 2017 , 73, 202-208	6.2	23
33	The Achilles' Heel of "Ultrastable" Hyperthermophile Proteins: Submillimolar Concentrations of SDS Stimulate Rapid Conformational Change, Aggregation, and Amyloid Formation in Proteins Carrying Overall Positive Charge. <i>Biochemistry</i> , 2016 , 55, 3920-36	3.2	24
32	Comparative insight into surfactants mediated amyloidogenesis of lysozyme. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 315-25	7.9	60
31	Biogenic synthesis of Zinc oxide nanostructures from Nigella sativa seed: Prospective role as food packaging material inhibiting broad-spectrum quorum sensing and biofilm. <i>Scientific Reports</i> , 2016 , 6, 36761	4.9	90
30	Cetyltrimethylammonium bromide (CTAB) promote amyloid fibril formation in carbohydrate binding protein (concanavalin A) at physiological pH. <i>RSC Advances</i> , 2016 , 6, 38100-38111	3.7	23
29	Biophysical insight into the anti-amyloidogenic behavior of taurine. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 375-84	7.9	60

28	Secondary structural changes in guanidinium hydrochloride denatured mammalian serum albumins and protective effect of small amounts of cationic gemini surfactant pentanediyl-bis(cetyldimethylammonium bromide) and methyl- β -cyclodextrin: A spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 170-6	9.3	19
27	Elucidating the interaction of limonene with bovine serum albumin: a multi-technique approach. <i>Molecular BioSystems</i> , 2015 , 11, 307-16		190
26	Unraveling Comparative Anti-Amyloidogenic Behavior of Pyrazinamide and D-Cycloserine: A Mechanistic Biophysical Insight. <i>PLoS ONE</i> , 2015 , 10, e0136528	3.7	62
25	Hydrophobicity alone can not trigger aggregation in protonated mammalian serum albumins. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5150-61	3.6	44
24	Study on the interaction between amphiphilic drug and bovine serum albumin: A thermodynamic and spectroscopic description. <i>Journal of Luminescence</i> , 2014 , 155, 39-46	3.8	48
23	Protonation favors aggregation of lysozyme with SDS. <i>Soft Matter</i> , 2014 , 10, 2591-9	3.6	81
22	A study of interaction between antidepressant drug nortriptyline hydrochloride with gelatin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014 , 45, 2068-2074	5.3	33
21	Detergent induces the formation of IgG aggregates: a multi-methodological approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 120, 151-60	4.4	7
20	Interaction of gelatin with promethazine hydrochloride: Conductimetry, tensiometry and circular dichroism studies. <i>Journal of Molecular Structure</i> , 2013 , 1050, 35-42	3.4	41
19	Elucidating the mode of action of urea on mammalian serum albumins and protective effect of sodium dodecyl sulfate. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 441, 681-8	3.4	44
18	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
17	Monomeric banana lectin at acidic pH overrules conformational stability of its native dimeric form. <i>PLoS ONE</i> , 2013 , 8, e62428	3.7	36
16	Molten globule of hemoglobin proceeds into aggregates and advanced glycated end products. <i>PLoS ONE</i> , 2013 , 8, e72075	3.7	68
15	Interaction of cetyltrimethylammonium bromide and its gemini homologue bis(cetyldimethylammonium)butane dibromide with xanthine oxidase. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 5711-8	3.4	35
14	Interaction of amphiphilic drugs with human and bovine serum albumins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 119-24	4.4	59
13	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
12	SDS can be utilized as an amyloid inducer: a case study on diverse proteins. <i>PLoS ONE</i> , 2012 , 7, e29694	3.7	103
11	Refolding of bovine serum albumin via artificial chaperone protocol using gemini surfactants. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 157-62	9.3	27

10	Complexation behavior of gelatin with amphiphilic drug imipramine hydrochloride as studied by conductimetry, surface tensiometry and circular dichroism studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 258-62	6	22
9	Spectroscopic approach of the interaction study of amphiphilic drugs with the serum albumins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 87, 447-53	6	36
8	Multi-technique approach on the effect of surfactant concentrations on the thermal unfolding of rabbit serum albumin: formation and solubilization of the protein aggregates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 80, 169-75	6	10
7	Unfolding of rabbit serum albumin by cationic surfactants: surface tensiometry, small-angle neutron scattering, intrinsic fluorescence, resonance Rayleigh scattering and circular dichroism studies. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 436-43	9.3	30
6	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
5	How methyl cyanide induces aggregation in all-alpha proteins: a case study in four albumins. <i>International Journal of Biological Macromolecules</i> , 2009 , 44, 163-9	7.9	15
4	Investigation of the effect of temperature and electrolytes on the physicochemical parameters for the self-assembly of dodecyltrimethylammonium bromide. <i>Chemical Papers</i> , 1	1.9	4
3	Influences of alcohol/polyols on interaction of moxifloxacin hydrochloride through cetyltrimethylammonium bromide at numerous temperatures and compositions. <i>Molecular Physics</i> , e1955990	1.7	0
2	Stability constants and thermodynamic behaviour of the complex formation of two crown ethers with zinc (II) and copper (II) ions in water + acetonitrile mixed solvent: a conductivity measurement study. <i>Physics and Chemistry of Liquids</i> , 1-15	1.5	0
1	Assembly behaviour and thermodynamics of the mixture of cetyltrimethylammonium bromide and bovine serum albumin in aqueous and aqua-ethylene glycol mixed solvents media at several temperatures. <i>Molecular Physics</i> ,	1.7	2