

Guilherme A P De Oliveira

List of Publications by Citations

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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.

48
papers

988
citations

17
h-index

30
g-index

49
ext. papers

1,322
ext. citations

7.1
avg, IF

4.58
L-index

#	Paper	IF	Citations
48	Mutant p53 aggregates into prion-like amyloid oligomers and fibrils: implications for cancer. <i>Journal of Biological Chemistry</i> , 2012 , 287, 28152-62	5.4	167
47	High-pressure chemical biology and biotechnology. <i>Chemical Reviews</i> , 2014 , 114, 7239-67	68.1	135
46	A hypothesis to reconcile the physical and chemical unfolding of proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2775-84	11.5	68
45	Targeting the Prion-like Aggregation of Mutant p53 to Combat Cancer. <i>Accounts of Chemical Research</i> , 2018 , 51, 181-190	24.3	52
44	Aggregation and Prion-Like Properties of Misfolded Tumor Suppressors: Is Cancer a Prion Disease?. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016 , 8,	10.2	41
43	Alpha-synuclein stepwise aggregation reveals features of an early onset mutation in Parkinson's disease. <i>Communications Biology</i> , 2019 , 2, 374	6.7	41
42	Aggregation tendencies in the p53 family are modulated by backbone hydrogen bonds. <i>Scientific Reports</i> , 2016 , 6, 32535	4.9	34
41	The Solution Structure and Dynamics of Full-length Human Cerebral Dopamine Neurotrophic Factor and Its Neuroprotective Role against β -Synuclein Oligomers. <i>Journal of Biological Chemistry</i> , 2015 , 290, 20527-40	5.4	30
40	Misfolding, Aggregation, and Disordered Segments in c-Abl and p53 in Human Cancer. <i>Frontiers in Oncology</i> , 2015 , 5, 97	5.3	29
39	Liquid-liquid phase transitions and amyloid aggregation in proteins related to cancer and neurodegenerative diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2019 , 118, 289-331	5.3	28
38	Structural basis for the dissociation of β -Synuclein fibrils triggered by pressure perturbation of the hydrophobic core. <i>Scientific Reports</i> , 2016 , 6, 37990	4.9	27
37	Oncogenic Gain of Function in Glioblastoma Is Linked to Mutant p53 Amyloid Oligomers. <i>iScience</i> , 2020 , 23, 100820	6.1	23
36	Aggregation-primed molten globule conformers of the p53 core domain provide potential tools for studying p53C aggregation in cancer. <i>Journal of Biological Chemistry</i> , 2018 , 293, 11374-11387	5.4	22
35	An extensively glycosylated archaeal pilus survives extreme conditions. <i>Nature Microbiology</i> , 2019 , 4, 1401-1410	26.6	21
34	Cardiac Troponin and Tropomyosin: Structural and Cellular Perspectives to Unveil the Hypertrophic Cardiomyopathy Phenotype. <i>Frontiers in Physiology</i> , 2016 , 7, 429	4.6	19
33	Solution and high-pressure NMR studies of the structure, dynamics, and stability of the cross-reactive allergenic cod parvalbumin Gad m 1. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014 , 82, 3032-42	4.2	18
32	Amide hydrogens reveal a temperature-dependent structural transition that enhances site-II Ca-binding affinity in a C-domain mutant of cardiac troponin C. <i>Scientific Reports</i> , 2017 , 7, 691	4.9	18

31	A packing for A-form DNA in an icosahedral virus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22591-22597	11.5	17
30	Loss of the p53 transactivation domain results in high amyloid aggregation of the Δ Op53 isoform in endometrial carcinoma cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9430-9439	5.4	15
29	Moniliophthora pernicioso necrosis- and ethylene-inducing protein 2 (MpNep2) as a metastable dimer in solution: structural and functional implications. <i>PLoS ONE</i> , 2012 , 7, e45620	3.7	15
28	The Status of p53 Oligomeric and Aggregation States in Cancer. <i>Biomolecules</i> , 2020 , 10,	5.9	14
27	Expression of metalloproteinases and their tissue inhibitors in inflamed gingival biopsies. <i>Journal of Periodontal Research</i> , 2008 , 43, 570-7	4.3	13
26	The intrinsically disordered C terminus of troponin T binds to troponin C to modulate myocardial force generation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 20054-20069	5.4	13
25	Allosteric Transmission along a Loosely Structured Backbone Allows a Cardiac Troponin C Mutant to Function with Only One Ca Ion. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2379-2394	5.4	12
24	Intramolecular dynamics within the N-Cap-SH3-SH2 regulatory unit of the c-Abl tyrosine kinase reveal targeting to the cellular membrane. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28331-45	5.4	12
23	Phase separation of p53 precedes aggregation and is affected by oncogenic mutations and ligands. <i>Chemical Science</i> , 2021 , 12, 7334-7349	9.4	12
22	Fine modulation of the respiratory syncytial virus M2-1 protein quaternary structure by reversible zinc removal from its Cys(3)-His(1) motif. <i>Biochemistry</i> , 2013 , 52, 6779-89	3.2	11
21	Insights into the intramolecular coupling between the N- and C-domains of troponin C derived from high-pressure, fluorescence, nuclear magnetic resonance, and small-angle X-ray scattering studies. <i>Biochemistry</i> , 2013 , 52, 28-40	3.2	11
20	Metalloproteinases 2 and 9 and their tissue inhibitors 1 and 2 are increased in vulvar lichen sclerosus. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2012 , 161, 96-101	2.4	10
19	Nep1-like protein from Moniliophthora pernicioso induces a rapid proteome and metabolome reprogramming in cells of <i>Nicotiana benthamiana</i> . <i>Physiologia Plantarum</i> , 2014 , 150, 1-17	4.6	9
18	Biophysical characterization of p53 core domain aggregates. <i>Biochemical Journal</i> , 2020 , 477, 111-120	3.8	9
17	Full inactivation of human influenza virus by high hydrostatic pressure preserves virus structure and membrane fusion while conferring protection to mice against infection. <i>PLoS ONE</i> , 2013 , 8, e80785	3.7	8
16	Exploring the polymorphism, conformational dynamics and function of amyloidogenic peptides and proteins by temperature and pressure modulation. <i>Biophysical Chemistry</i> , 2021 , 268, 106506	3.5	7
15	The push-and-pull hypothesis in protein unfolding, misfolding and aggregation. <i>Biophysical Chemistry</i> , 2017 , 231, 20-26	3.5	6
14	Polyclonal F(ab') fragments of equine antibodies raised against the spike protein neutralize SARS-CoV-2 variants with high potency. <i>iScience</i> , 2021 , 24, 103315	6.1	4

13	New Heteroleptic Ruthenium(II) Complexes with Sulfamethoxy-pyridazine and Diimines as Potential Antitumor Agents. <i>Molecules</i> , 2019 , 24,	4.8	3
12	Interactions of ruthenium(II) compounds with sulfasalazine and N,N?-heterocyclic ligands with proteins. <i>Inorganica Chimica Acta</i> , 2017 , 467, 385-390	2.7	3
11	The missing links within troponin. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 663, 95-100	4.1	3
10	A conformational switch balances viral RNA accessibility and protection in a nucleocapsid ring model. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 671, 77-86	4.1	2
9	High pressure studies on the misfolding and aggregation of p53 in cancer and of Bsynuclein in Parkinson's disease. <i>High Pressure Research</i> , 2019 , 39, 193-201	1.6	2
8	Expression of metalloproteinases and their tissue inhibitors in gingiva affected by hereditary gingival fibromatosis: analysis of three cases within a family. <i>Journal of Periodontal Research</i> , 2009 , 44, 714-7	4.3	2
7	Crystal structure of Q4D6Q6, a conserved kinetoplastid-specific protein from <i>Trypanosoma cruzi</i> . <i>Journal of Structural Biology</i> , 2020 , 211, 107536	3.4	1
6	Anomalous structural dynamics of minimally frustrated residues in cardiac troponin C triggers hypertrophic cardiomyopathy. <i>Chemical Science</i> , 2021 , 12, 7308-7323	9.4	1
5	Conformational Isomerization Involving Conserved Proline Residues Modulates Oligomerization of the NS1 Interferon Response Inhibitor from the Syncytial Respiratory Virus. <i>Biochemistry</i> , 2019 , 58, 2883-2892	3.2	0
4	Positive response to imatinib mesylate therapy for childhood chronic myeloid leukemia. <i>Brazilian Journal of Medical and Biological Research</i> , 2010 , 43, 580-4	2.8	0
3	Process intensification for the production of yellow fever virus-like particles as potential recombinant vaccine antigen. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3581-3592	4.9	0
2	Cryo-EM to visualize the structural organization of viruses. <i>Current Opinion in Virology</i> , 2021 , 49, 86-91	7.5	0
1	Nucleic acid actions on abnormal protein aggregation, phase transitions and phase separation.. <i>Current Opinion in Structural Biology</i> , 2022 , 73, 102346	8.1	0