

Mark Agostino

List of Publications by Citations

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Version: 2024-04-27

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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.

37
papers

808
citations

13
h-index

28
g-index

43
ext. papers

969
ext. citations

5.2
avg. IF

4.26
L-index

#	Paper	IF	Citations
37	Challenges and advances in computational docking: 2009 in review. <i>Journal of Molecular Recognition</i> , 2011 , 24, 149-64	2.6	210
36	Wnt signaling in triple-negative breast cancer. <i>Oncogenesis</i> , 2017 , 6, e310	6.6	159
35	The Role of Wnt Signalling in Angiogenesis. <i>Clinical Biochemist Reviews</i> , 2017 , 38, 131-142	7.3	71
34	Molecular docking of carbohydrate ligands to antibodies: structural validation against crystal structures. <i>Journal of Chemical Information and Modeling</i> , 2009 , 49, 2749-60	6.1	57
33	In silico analysis of antibody-carbohydrate interactions and its application to xenoreactive antibodies. <i>Molecular Immunology</i> , 2009 , 47, 233-46	4.3	28
32	Identification of preferred carbohydrate binding modes in xenoreactive antibodies by combining conformational filters and binding site maps. <i>Glycobiology</i> , 2010 , 20, 724-35	5.8	24
31	Structure-based prediction of Wnt binding affinities for Frizzled-type cysteine-rich domains. <i>Journal of Biological Chemistry</i> , 2017 , 292, 11218-11229	5.4	21
30	Development and application of site mapping methods for the design of glycosaminoglycans. <i>Glycobiology</i> , 2014 , 24, 840-51	5.8	21
29	Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 1215-1236	8.4	19
28	Free Ig light chains interact with sphingomyelin and are found on the surface of myeloma plasma cells in an aggregated form. <i>Journal of Immunology</i> , 2010 , 185, 4179-88	5.3	19
27	Carbohydrate-mimetic peptides: structural aspects of mimicry and therapeutic implications. <i>Expert Opinion on Biological Therapy</i> , 2011 , 11, 211-24	5.4	19
26	Structural biology of carbohydrate xenoantigens. <i>Expert Opinion on Biological Therapy</i> , 2009 , 9, 1017-29	5.4	17
25	Antibody recognition of cancer-related gangliosides and their mimics investigated using in silico site mapping. <i>PLoS ONE</i> , 2012 , 7, e35457	3.7	15
24	A computational approach for exploring carbohydrate recognition by lectins in innate immunity. <i>Frontiers in Immunology</i> , 2011 , 2, 23	8.4	13
23	The carbohydrate-binding promiscuity of Euonymus europaeus lectin is predicted to involve a single binding site. <i>Glycobiology</i> , 2015 , 25, 101-14	5.8	12
22	AutoMap: a tool for analyzing protein-ligand recognition using multiple ligand binding modes. <i>Journal of Molecular Graphics and Modelling</i> , 2013 , 40, 80-90	2.8	12
21	The design, synthesis and biological evaluation of novel URB602 analogues as potential monoacylglycerol lipase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 6782-7	2.9	12

20	Formation of assemblies on cell membranes by secreted proteins: molecular studies of free β light chain aggregates found on the surface of myeloma cells. <i>Biochemical Journal</i> , 2013 , 454, 479-89	3.8	10
19	Peptide inhibitors of xenoreactive antibodies mimic the interaction profile of the native carbohydrate antigens. <i>Biopolymers</i> , 2011 , 96, 193-206	2.2	10
18	Synthesis, molecular structure, NMR spectroscopic and computational analysis of a selective adenosine A2A antagonist, ZM 241385. <i>Structural Chemistry</i> , 2013 , 24, 1241-1251	1.8	9
17	Wnt Binding Affinity Prediction for Putative Frizzled-Type Cysteine-Rich Domains. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
16	Optimization of protein-protein docking for predicting Fc-protein interactions. <i>Journal of Molecular Recognition</i> , 2016 , 29, 555-568	2.6	7
15	Cancer growth and metastasis as a metaphor of Go gaming: An Ising model approach. <i>PLoS ONE</i> , 2018 , 13, e0195654	3.7	7
14	Gene expression analysis of heat-shock proteins and redox regulators reveals combinatorial prognostic markers in carcinomas of the gastrointestinal tract. <i>Redox Biology</i> , 2019 , 25, 101060	11.3	6
13	Disease-associated missense variants in ZBTB18 disrupt DNA binding and impair the development of neurons within the embryonic cerebral cortex. <i>Human Mutation</i> , 2019 , 40, 1841-1855	4.7	4
12	RAC1B modulates intestinal tumourigenesis via modulation of WNT and EGFR signalling pathways. <i>Nature Communications</i> , 2021 , 12, 2335	17.4	4
11	The structural biology of canonical Wnt signalling. <i>Biochemical Society Transactions</i> , 2020 , 48, 1765-1780	5.1	3
10	Antibody-Carbohydrate Recognition from Docked Ensembles Using the AutoMap Procedure. <i>Methods in Molecular Biology</i> , 2015 , 1331, 41-55	1.4	2
9	Activation barriers in Class F G protein-coupled receptors revealed by umbrella sampling simulations. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 9816-9825	3.9	2
8	General population ZBTB18 missense variants influence DNA binding and transcriptional regulation. <i>Human Mutation</i> , 2020 , 41, 1629-1644	4.7	1
7	Structural Glycobiology of Antibody Recognition in Xenotransplantation and Cancer Immunotherapy 2012 , 203-228		1
6	Comprehensive analysis of carbohydrate-protein recognition in the Protein Data Bank. <i>Carbohydrate Research</i> , 2020 , 498, 108180	2.9	1
5	Spectroscopic and Molecular Docking Study of the Interaction between Neutral Re(I) Tetrazolate Complexes and Bovine Serum Albumin. <i>Chemistry - A European Journal</i> , 2021 , 27, 11406-11417	4.8	1
4	Structure-Based Approaches to Classify the Functional Impact of ZBTB18 Missense Variants in Health and Disease. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 979-989	5.7	1
3	TNFSF14-Derived Molecules as a Novel Treatment for Obesity and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1

- 2 Sequencing Directly from Clinical Specimens Reveals Genetic Variations in HCMV-Encoded Chemokine Receptor US28 That May Influence Antibody Levels and Interactions with Human Chemokines. *Microbiology Spectrum*, **2021**, 9, e0002021 8.9 ○
- 1 Further evidence for distinct traits associated with RBM10 missense variants. *Clinical Genetics*, 4 ○