

# Mark Agostino

## 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.

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	Sequencing Directly from Clinical Specimens Reveals Genetic Variations in HCMV-Encoded Chemokine Receptor US28 That May Influence Antibody Levels and Interactions with Human Chemokines. <i>Microbiology Spectrum</i> , <b>2021</b> , 9, e0002021	8.9	0
36	RAC1B modulates intestinal tumourigenesis via modulation of WNT and EGFR signalling pathways. <i>Nature Communications</i> , <b>2021</b> , 12, 2335	17.4	4
35	Spectroscopic and Molecular Docking Study of the Interaction between Neutral Re(I) Tetrazolate Complexes and Bovine Serum Albumin. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11406-11417	4.8	1
34	Structure-Based Approaches to Classify the Functional Impact of ZBTB18 Missense Variants in Health and Disease. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 979-989	5.7	1
33	TNFSF14-Derived Molecules as a Novel Treatment for Obesity and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
32	General population ZBTB18 missense variants influence DNA binding and transcriptional regulation. <i>Human Mutation</i> , <b>2020</b> , 41, 1629-1644	4.7	1
31	The structural biology of canonical Wnt signalling. <i>Biochemical Society Transactions</i> , <b>2020</b> , 48, 1765-1780	5.1	3
30	Comprehensive analysis of carbohydrate-protein recognition in the Protein Data Bank. <i>Carbohydrate Research</i> , <b>2020</b> , 498, 108180	2.9	1
29	Activation barriers in Class F G protein-coupled receptors revealed by umbrella sampling simulations. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 9816-9825	3.9	2
28	Wnt Binding Affinity Prediction for Putative Frizzled-Type Cysteine-Rich Domains. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
27	Disease-associated missense variants in ZBTB18 disrupt DNA binding and impair the development of neurons within the embryonic cerebral cortex. <i>Human Mutation</i> , <b>2019</b> , 40, 1841-1855	4.7	4
26	Gene expression analysis of heat-shock proteins and redox regulators reveals combinatorial prognostic markers in carcinomas of the gastrointestinal tract. <i>Redox Biology</i> , <b>2019</b> , 25, 101060	11.3	6
25	Cross Talk Between Cellular Redox State and the Antiapoptotic Protein Bcl-2. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 1215-1236	8.4	19
24	Cancer growth and metastasis as a metaphor of Go gaming: An Ising model approach. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195654	3.7	7
23	Structure-based prediction of Wnt binding affinities for Frizzled-type cysteine-rich domains. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 11218-11229	5.4	21
22	Wnt signaling in triple-negative breast cancer. <i>Oncogenesis</i> , <b>2017</b> , 6, e310	6.6	159
21	The Role of Wnt Signalling in Angiogenesis. <i>Clinical Biochemist Reviews</i> , <b>2017</b> , 38, 131-142	7.3	71

20	Optimization of protein-protein docking for predicting Fc-protein interactions. <i>Journal of Molecular Recognition</i> , <b>2016</b> , 29, 555-568	2.6	7
19	The carbohydrate-binding promiscuity of <i>Euonymus europaeus</i> lectin is predicted to involve a single binding site. <i>Glycobiology</i> , <b>2015</b> , 25, 101-14	5.8	12
18	Antibody-Carbohydrate Recognition from Docked Ensembles Using the AutoMap Procedure. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1331, 41-55	1.4	2
17	Development and application of site mapping methods for the design of glycosaminoglycans. <i>Glycobiology</i> , <b>2014</b> , 24, 840-51	5.8	21
16	Synthesis, molecular structure, NMR spectroscopic and computational analysis of a selective adenosine A2A antagonist, ZM 241385. <i>Structural Chemistry</i> , <b>2013</b> , 24, 1241-1251	1.8	9
15	Formation of assemblies on cell membranes by secreted proteins: molecular studies of free $\lambda$ light chain aggregates found on the surface of myeloma cells. <i>Biochemical Journal</i> , <b>2013</b> , 454, 479-89	3.8	10
14	AutoMap: a tool for analyzing protein-ligand recognition using multiple ligand binding modes. <i>Journal of Molecular Graphics and Modelling</i> , <b>2013</b> , 40, 80-90	2.8	12
13	Antibody recognition of cancer-related gangliosides and their mimics investigated using in silico site mapping. <i>PLoS ONE</i> , <b>2012</b> , 7, e35457	3.7	15
12	Structural Glycobiology of Antibody Recognition in Xenotransplantation and Cancer Immunotherapy <b>2012</b> , 203-228		1
11	A computational approach for exploring carbohydrate recognition by lectins in innate immunity. <i>Frontiers in Immunology</i> , <b>2011</b> , 2, 23	8.4	13
10	The design, synthesis and biological evaluation of novel URB602 analogues as potential monoacylglycerol lipase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 6782-7	2.9	12
9	Challenges and advances in computational docking: 2009 in review. <i>Journal of Molecular Recognition</i> , <b>2011</b> , 24, 149-64	2.6	210
8	Peptide inhibitors of xenoreactive antibodies mimic the interaction profile of the native carbohydrate antigens. <i>Biopolymers</i> , <b>2011</b> , 96, 193-206	2.2	10
7	Carbohydrate-mimetic peptides: structural aspects of mimicry and therapeutic implications. <i>Expert Opinion on Biological Therapy</i> , <b>2011</b> , 11, 211-24	5.4	19
6	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> , <b>2010</b> , 185, 4179-88	5.3	19
5	Identification of preferred carbohydrate binding modes in xenoreactive antibodies by combining conformational filters and binding site maps. <i>Glycobiology</i> , <b>2010</b> , 20, 724-35	5.8	24
4	Structural biology of carbohydrate xenoantigens. <i>Expert Opinion on Biological Therapy</i> , <b>2009</b> , 9, 1017-29	5.4	17
3	In silico analysis of antibody-carbohydrate interactions and its application to xenoreactive antibodies. <i>Molecular Immunology</i> , <b>2009</b> , 47, 233-46	4.3	28

2	Molecular docking of carbohydrate ligands to antibodies: structural validation against crystal structures. <i>Journal of Chemical Information and Modeling</i> , <b>2009</b> , 49, 2749-60	6.1	57
1	Further evidence for distinct traits associated with RBM10 missense variants. <i>Clinical Genetics</i> ,	4	0