

Elizabeth Yuriev

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.

85
papers

2,349
citations

24
h-index

46
g-index

91
ext. papers

2,648
ext. citations

4.9
avg, IF

5.19
L-index

#	Paper	IF	Citations
85	Status of GPCR modeling and docking as reflected by community-wide GPCR Dock 2010 assessment. <i>Structure</i> , 2011 , 19, 1108-26	5.2	243
84	Latest developments in molecular docking: 2010-2011 in review. <i>Journal of Molecular Recognition</i> , 2013 , 26, 215-39	2.6	218
83	Challenges and advances in computational docking: 2009 in review. <i>Journal of Molecular Recognition</i> , 2011 , 24, 149-64	2.6	210
82	The significance of acid/base properties in drug discovery. <i>Chemical Society Reviews</i> , 2013 , 42, 485-96	58.5	181
81	Improvements, trends, and new ideas in molecular docking: 2012-2013 in review. <i>Journal of Molecular Recognition</i> , 2015 , 28, 581-604	2.6	161
80	Homology modeling and docking evaluation of aminergic G protein-coupled receptors. <i>Journal of Chemical Information and Modeling</i> , 2010 , 50, 626-37	6.1	88
79	Free Energy Methods in Drug Design: Prospects of "Alchemical Perturbation" in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 638-649	8.3	77
78	A glycopeptide in complex with MHC class I uses the GalNAc residue as an anchor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 15029-34	11.5	73
77	Three-dimensional structures of carbohydrate determinants of Lewis system antigens: implications for effective antibody targeting of cancer. <i>Immunology and Cell Biology</i> , 2005 , 83, 709-17	5	64
76	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
75	Adopting an active learning approach to teaching in a research-intensive higher education context transformed staff teaching attitudes and behaviours. <i>Higher Education Research and Development</i> , 2016 , 35, 619-633	1.9	51
74	Carbohydrate residues downstream of the terminal Galalpha(1,3)Gal epitope modulate the specificity of xenoreactive antibodies. <i>Immunology and Cell Biology</i> , 2007 , 85, 623-32	5	40
73	Flipped Classroom Implementation: A Case Report of Two Higher Education Institutions in the United States and Australia. <i>Computers in the Schools</i> , 2016 , 33, 24-37	1.2	35
72	Homobivalent ligands of the atypical antipsychotic clozapine: design, synthesis, and pharmacological evaluation. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 1622-34	8.3	33
71	Altered peptide ligands of myelin basic protein (MBP87-99) conjugated to reduced mannan modulate immune responses in mice. <i>Immunology</i> , 2009 , 128, 521-33	7.8	33
70	Structural biology of antibody recognition of carbohydrate epitopes and potential uses for targeted cancer immunotherapies. <i>Molecular Immunology</i> , 2015 , 67, 75-88	4.3	30
69	Ligand Binding Pathways of Clozapine and Haloperidol in the Dopamine D2 and D3 Receptors. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 308-21	6.1	28

68	Antibody recognition of aberrant glycosylation on the surface of cancer cells. <i>Current Opinion in Structural Biology</i> , 2017 , 44, 1-8	8.1	28
67	In silico analysis of antibody-carbohydrate interactions and its application to xenoreactive antibodies. <i>Molecular Immunology</i> , 2009 , 47, 233-46	4.3	28
66	A double mutation of MBP(83-99) peptide induces IL-4 responses and antagonizes IFN-gamma responses. <i>Journal of Neuroimmunology</i> , 2008 , 200, 77-89	3.5	28
65	Mannosylation of mutated MBP83-99 peptides diverts immune responses from Th1 to Th2. <i>Molecular Immunology</i> , 2008 , 45, 3661-70	4.3	28
64	Structural basis for antibody targeting of the broadly expressed microbial polysaccharide poly--acetylglucosamine. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5079-5089	5.4	25
63	Student Engagement with a Flipped Classroom Teaching Design Affects Pharmacology Examination Performance in a Manner Dependent on Question Type. <i>American Journal of Pharmaceutical Education</i> , 2017 , 81, 5931	2.5	25
62	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
61	Novel adenosine A(2A) receptor ligands: a synthetic, functional and computational investigation of selected literature adenosine A(2A) receptor antagonists for extending into extracellular space. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 3427-33	2.9	22
60	Investigation of structure-activity relationships in a series of glibenclamide analogues. <i>European Journal of Medicinal Chemistry</i> , 2004 , 39, 835-47	6.8	22
59	Homology modeling of human muscarinic acetylcholine receptors. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 243-53	6.1	20
58	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
57	Carbohydrate-mimetic peptides: structural aspects of mimicry and therapeutic implications. <i>Expert Opinion on Biological Therapy</i> , 2011 , 11, 211-24	5.4	19
56	Docking of combinatorial peptide libraries into a broadly cross-reactive human IgM. <i>Journal of Molecular Recognition</i> , 2001 , 14, 172-84	2.6	19
55	Scaffolding the development of problem-solving skills in chemistry: guiding novice students out of dead ends and false starts. <i>Chemistry Education Research and Practice</i> , 2017 , 18, 486-504	2.1	18
54	Characterization of the N-methyltransferase activities of the multifunctional polypeptide cyclosporin synthetase. <i>Chemistry and Biology</i> , 2011 , 18, 464-75		18
53	Molecular Characterization of Lipopolysaccharide Binding to Human β 1-Acid Glycoprotein. <i>Journal of Lipids</i> , 2012 , 2012, 475153	2.7	18
52	Structural biology of carbohydrate xenoantigens. <i>Expert Opinion on Biological Therapy</i> , 2009 , 9, 1017-29	5.4	17
51	The cationic small molecule GW4869 is cytotoxic to high phosphatidylserine-expressing myeloma cells. <i>British Journal of Haematology</i> , 2017 , 177, 423-440	4.5	15

50	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
49	Conformational Analysis of Drug Molecules: A Practical Exercise in the Medicinal Chemistry Course. <i>Journal of Chemical Education</i> , 2009 , 86, 477	2.4	15
48	Antibody-ligand docking: insights into peptide-carbohydrate mimicry. <i>Molecular Simulation</i> , 2008 , 34, 461-469	2	14
47	2-Methyl-4-(4-methylpiperazin-1-yl)-10H-thieno[2,3-b][1,5]benzodiazepine methanol solvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, o1367-o1369		14
46	A computational approach for exploring carbohydrate recognition by lectins in innate immunity. <i>Frontiers in Immunology</i> , 2011 , 2, 23	8.4	13
45	Gas-phase formation and reactions of radical cations of guanosine, deoxyguanosine and their homodimers and heterodimers. <i>International Journal of Mass Spectrometry</i> , 2011 , 304, 74-82	1.9	13
44	Probing the environment of nascent RNA in Escherichia coli transcription elongation complexes utilizing a new fluorescent ribonucleotide analog. <i>Nucleic Acids Research</i> , 1999 , 27, 1369-76	20.1	13
43	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
42	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
41	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
40	Recognition of IgG-derived peptides by a human IgM with an unusual combining site. <i>Scandinavian Journal of Immunology</i> , 2002 , 55, 242-55	3.4	12
39	Binding of synthetic peptides by a human monoclonal IgM with an unusual combining site structure. <i>Journal of Molecular Recognition</i> , 2001 , 14, 229-38	2.6	11
38	RNA-protein crosslinking to AMP residues at internal positions in RNA with a new photocrosslinking ATP analog. <i>Nucleic Acids Research</i> , 2000 , 28, 1849-58	20.1	11
37	Toward activated homology models of the human M1 muscarinic acetylcholine receptor. <i>Journal of Molecular Graphics and Modelling</i> , 2014 , 49, 91-8	2.8	10
36	Peptide inhibitors of xenoreactive antibodies mimic the interaction profile of the native carbohydrate antigens. <i>Biopolymers</i> , 2011 , 96, 193-206	2.2	10
35	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
34	The Acid/Base Profile of the Human Metabolome and Natural Products. <i>Molecular Informatics</i> , 2013 , 32, 505-15	3.8	9
33	MHC and MHC-like molecules: structural perspectives on the design of molecular vaccines. <i>Hum Vaccin</i> , 2008 , 4, 400-9		9

32	Detection and Prevention of Aggregation-based False Positives in STD-NMR-based Fragment Screening. <i>Australian Journal of Chemistry</i> , 2013 , 66, 1518	1.2	8
31	Crossword puzzles for chemistry education: learning goals beyond vocabulary. <i>Chemistry Education Research and Practice</i> , 2016 , 17, 532-554	2.1	8
30	Steric Aspects of the Binding of Monofunctional Platinum(II) Complexes to Sites on Nucleobases: Metal Complex Flatness as a Structural Element of Speciation. <i>Inorganic Chemistry</i> , 1998 , 37, 6269-6275	5.1	7
29	Steric Parameters for Metal Binding Sites on Nucleobases. <i>Inorganic Chemistry</i> , 1996 , 35, 7914-7915	5.1	7
28	Immunoglobulin cross-reactivity examined by library screening, crystallography and docking studies. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2001 , 4, 397-408	1.3	7
27	Virtual Screening Against Carbohydrate-Binding Proteins: Evaluation and Application to Bacterial Burkholderia ambifaria Lectin. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1976-1989	6.1	6
26	Using the β -Adrenoceptor for Structure-Based Drug Design. <i>Journal of Chemical Education</i> , 2010 , 87, 625-627	2.4	6
25	New hybrids of clozapine and haloperidol and their isosteric analogues: synthesis, X-ray crystallography, conformational analysis and preliminary pharmacological evaluation. <i>Structural Chemistry</i> , 2010 , 21, 613-628	1.8	6
24	Sterically restrictive metal complexes. The synthesis and structural characterization of (1, 2-bis(6-methylpyridin-2-yl)ethane-N,N')-(malonato)palladium(II) trihydrate. Proton NMR binding studies to cytosine and guanine derivatives. <i>Inorganica Chimica Acta</i> , 1993 , 214, 169-176	2.7	6
23	The influence and manipulation of acid/base properties in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2018 , 27, 41-47	7.1	4
22	Molecular Simulations of Carbohydrates with a Fucose-Binding Lectin Suggest Modulation by Surface Residues Outside the Fucose-Binding Pocket. <i>Frontiers in Pharmacology</i> , 2017 , 8, 393	5.6	4
21	Molecular Characterisation of the Haemagglutinin Glycan-Binding Specificity of Egg-Adapted Vaccine Strains of the Pandemic 2009 H1N1 Swine Influenza A Virus. <i>Molecules</i> , 2015 , 20, 10415-34	4.8	4
20	Carbohydrates in Cyberspace. <i>Frontiers in Immunology</i> , 2015 , 6, 300	8.4	4
19	Binding Mode Prediction of PDE4 Inhibitors: A Comparison of Modelling Methods. <i>Australian Journal of Chemistry</i> , 2010 , 63, 396	1.2	3
18	Mcg light chain dimer as a model system for ligand design: a docking study. <i>Journal of Molecular Recognition</i> , 2002 , 15, 331-40	2.6	3
17	The Synthesis and Preliminary Pharmacological Evaluation of a Series of Substituted 4'-Phenoxypropyl Analogues of the Atypical Antipsychotic Clozapine. <i>Australian Journal of Chemistry</i> , 2010 , 63, 116	1.2	2
16	Gas phase supramolecular cluster ions of deoxyguanosine induced by binding to (2,2':6'2''-terpyridine)-platinum(II) and (diethylenetriamine)-platinum(II). <i>Dalton Transactions</i> , 2009 , 1542-8	4.3	2
15	Effects of 5-[S-(2,4-dinitrophenyl)-thio]-2'-deoxyuridine analog incorporation on the structure and stability of DNA hybrids: implications for the design of nucleic acid probes. <i>Journal of Molecular Recognition</i> , 1999 , 12, 337-45	2.6	2

14	'HELPA': a rapid means of student evaluation of lecturing performance in higher education. <i>Assessment and Evaluation in Higher Education</i> , 1995 , 20, 191-202	3.1	2
13	Antibody-Carbohydrate Recognition from Docked Ensembles Using the AutoMap Procedure. <i>Methods in Molecular Biology</i> , 2015 , 1331, 41-55	1.4	2
12	Markov State Model Analysis of Haloperidol Binding to the D Dopamine Receptor. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 3879-3888	6.4	2
11	Homology Modeling and Docking Evaluation of Human Muscarinic Acetylcholine Receptors. <i>NeuroMethods</i> , 2016 , 15-35	0.4	1
10	Reply to Response to Milland et al.: Carbohydrate residues downstream of the terminal gal(1,3)gal epitope modulate the specificity of xenoreactive antibodies. <i>Immunology and Cell Biology</i> , 2008 , 86, 633-634	5	1
9	5,5?-(Piperazine-1,4-diyl)bis(8-chloropyrido[2,3-b][1,5]benzoxazepine). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, o5434-o5436		1
8	Effect of Changing From Closed-Book to Formulary-Allowed Examinations. <i>American Journal of Pharmaceutical Education</i> , 2021 , 85, 7990	2.5	1
7	Structural Glycobiology of Antibody Recognition in Xenotransplantation and Cancer Immunotherapy 2012 , 203-228		1
6	Teaching Chemistry Down Under in an Upside Down World: Lessons Learned and Stakeholder Perspectives. <i>ACS Symposium Series</i> , 105-122	0.4	0
5	Molecular Modelling: Advances in Biomolecular and Materials Modelling. <i>Australian Journal of Chemistry</i> , 2011 , 64, 885	1.2	
4	8-Chloro-5-(4-phenethylpiperazin-1-yl)pyrido[2,3-b][1,5]benzoxazepine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1865-6		
3	Geometric forms of 8-chloro-11-[4-(8-chloro-5H-dibenzo[b,e][1,4]diazepin-11-yl)piperazin-1-yl]-5H-dibenzo[b,e][1,4]diazepine-3-one pentahydrate (2/1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o4034-o4034		
2	Synthesis of 8-Chloro-11-(4-(3-(p-tolyloxy)propyl)piperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine. <i>MolBank</i> , 2006 , 2006, M475	0.5	
1	Antibody Recognition of a Polysaccharide Common to many Microbes and Biofilms. <i>FASEB Journal</i> , 2019 , 33, 351.1	0.9	