

Elizabeth Yuriev

List of Publications by Year in descending order

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88
papers

2,943
citations

218677

26
h-index

175258

52
g-index

91
all docs

91
docs citations

91
times ranked

4178
citing authors

#	ARTICLE	IF	CITATIONS
1	Problem solving in chemistry supported by metacognitive scaffolding: teaching associates'™ perspectives and practices. <i>Chemistry Education Research and Practice</i> , 2022, 23, 436-451.	2.5	6
2	Effect of Changing From Closed-Book to Formulary-Allowed Examinations. <i>American Journal of Pharmaceutical Education</i> , 2021, 85, 7990.	2.1	3
3	Markov State Model Analysis of Haloperidol Binding to the D3 Dopamine Receptor. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 3879-3888.	5.3	4
4	Antibody Recognition of a Polysaccharide Common to many Microbes and Biofilms. <i>FASEB Journal</i> , 2019, 33, 351.1.	0.5	0
5	Structural basis for antibody targeting of the broadly expressed microbial polysaccharide poly-N-acetylglucosamine. <i>Journal of Biological Chemistry</i> , 2018, 293, 5079-5089.	3.4	39
6	The influence and manipulation of acid/base properties in drug discovery. <i>Drug Discovery Today: Technologies</i> , 2018, 27, 41-47.	4.0	6
7	Free Energy Methods in Drug Design: Prospects of "Alchemical Perturbation" in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 638-649.	6.4	125
8	Virtual Screening Against Carbohydrate-Binding Proteins: Evaluation and Application to Bacterial <i>Burkholderia ambifaria</i> Lectin. <i>Journal of Chemical Information and Modeling</i> , 2018, 58, 1976-1989.	5.4	9
9	The cationic small molecule GW4869 is cytotoxic to high phosphatidylserine-expressing myeloma cells. <i>British Journal of Haematology</i> , 2017, 177, 423-440.	2.5	24
10	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.	2.5	42
11	Antibody recognition of aberrant glycosylation on the surface of cancer cells. <i>Current Opinion in Structural Biology</i> , 2017, 44, 1-8.	5.7	32
12	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.	2.1	39
13	Molecular Simulations of Carbohydrates with a Fucose-Binding <i>Burkholderia ambifaria</i> Lectin Suggest Modulation by Surface Residues Outside the Fucose-Binding Pocket. <i>Frontiers in Pharmacology</i> , 2017, 8, 393.	3.5	8
14	Ten Simple Rules for Developing a MOOC. <i>PLoS Computational Biology</i> , 2016, 12, e1005061.	3.2	21
15	Crossword puzzles for chemistry education: learning goals beyond vocabulary. <i>Chemistry Education Research and Practice</i> , 2016, 17, 532-554.	2.5	12
16	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.	2.9	73
17	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.	1.0	56
18	Ligand Binding Pathways of Clozapine and Haloperidol in the Dopamine D ₂ and D ₃ Receptors. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 308-321.	5.4	31

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19	Homology Modeling and Docking Evaluation of Human Muscarinic Acetylcholine Receptors. <i>Neuromethods</i> , 2016, , 15-35.	0.3	1
20	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, 10415-10434.	3.8	6
21	Carbohydrates in Cyberspace. <i>Frontiers in Immunology</i> , 2015, 6, 300.	4.8	6
22	Editorial: Structural and Computational Glycobiology – Immunity and Infection. <i>Frontiers in Immunology</i> , 2015, 6, 359.	4.8	0
23	The carbohydrate-binding promiscuity of <i>Euonymus europaeus</i> lectin is predicted to involve a single binding site. <i>Glycobiology</i> , 2015, 25, 101-114.	2.5	27
24	Structural biology of antibody recognition of carbohydrate epitopes and potential uses for targeted cancer immunotherapies. <i>Molecular Immunology</i> , 2015, 67, 75-88.	2.2	38
25	Improvements, trends, and new ideas in molecular docking: 2012–2013 in review. <i>Journal of Molecular Recognition</i> , 2015, 28, 581-604.	2.1	211
26	Antibody-Carbohydrate Recognition from Docked Ensembles Using the AutoMap Procedure. <i>Methods in Molecular Biology</i> , 2015, 1331, 41-55.	0.9	2
27	Toward activated homology models of the human M1 muscarinic acetylcholine receptor. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 49, 91-98.	2.4	13
28	Challenges and advances in structure-based virtual screening. <i>Future Medicinal Chemistry</i> , 2014, 6, 5-7.	2.3	16
29	Homology Modeling of Human Muscarinic Acetylcholine Receptors. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 243-253.	5.4	22
30	Synthesis, molecular structure, NMR spectroscopic and computational analysis of a selective adenosine A2A antagonist, ZM 241385. <i>Structural Chemistry</i> , 2013, 24, 1241-1251.	2.0	11
31	Latest developments in molecular docking: 2010–2011 in review. <i>Journal of Molecular Recognition</i> , 2013, 26, 215-239.	2.1	263
32	Novel adenosine A2A receptor ligands: A synthetic, functional and computational investigation of selected literature adenosine A2A receptor antagonists for extending into extracellular space. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3427-3433.	2.2	26
33	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.	2.4	14
34	The significance of acid/base properties in drug discovery. <i>Chemical Society Reviews</i> , 2013, 42, 485-496.	38.1	236
35	The Acid/Base Profile of the Human Metabolome and Natural Products. <i>Molecular Informatics</i> , 2013, 32, 505-515.	2.5	11
36	Detection and Prevention of Aggregation-based False Positives in STD-NMR-based Fragment Screening. <i>Australian Journal of Chemistry</i> , 2013, 66, 1518.	0.9	9

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37	Molecular Characterization of Lipopolysaccharide Binding to Human α -1-Acid Glycoprotein. <i>Journal of Lipids</i> , 2012, 2012, 1-15.	4.8	23
38	Homobivalent Ligands of the Atypical Antipsychotic Clozapine: Design, Synthesis, and Pharmacological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1622-1634.	6.4	39
39	Antibody Recognition of Cancer-Related Gangliosides and Their Mimics Investigated Using in silico Site Mapping. <i>PLoS ONE</i> , 2012, 7, e35457.	2.5	18
40	Structural Glycobiology of Antibody Recognition in Xenotransplantation and Cancer Immunotherapy. <i>Journal of Biological Chemistry</i> , 2012, 287, 203-228.		4
41	A Computational Approach for Exploring Carbohydrate Recognition by Lectins in Innate Immunity. <i>Frontiers in Immunology</i> , 2011, 2, 23.	4.8	14
42	Status of GPCR Modeling and Docking as Reflected by Community-wide GPCR Dock 2010 Assessment. <i>Structure</i> , 2011, 19, 1108-1126.	3.3	269
43	The design, synthesis and biological evaluation of novel URB602 analogues as potential monoacylglycerol lipase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6782-6787.	2.2	15
44	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.	1.5	20
45	Challenges and advances in computational docking: 2009 in review. <i>Journal of Molecular Recognition</i> , 2011, 24, 149-164.	2.1	273
46	Peptide inhibitors of xenoreactive antibodies mimic the interaction profile of the native carbohydrate antigens. <i>Biopolymers</i> , 2011, 96, 193-206.	2.4	10
47	Characterization of the N-Methyltransferase Activities of the Multifunctional Polypeptide Cyclosporin Synthetase. <i>Chemistry and Biology</i> , 2011, 18, 464-475.	6.0	21
48	Molecular Modelling: Advances in Biomolecular and Materials Modelling. <i>Australian Journal of Chemistry</i> , 2011, 64, 885.	0.9	0
49	Carbohydrate-mimetic peptides: structural aspects of mimicry and therapeutic implications. <i>Expert Opinion on Biological Therapy</i> , 2011, 11, 211-224.	3.1	20
50	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.	2.0	6
51	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, 4179-4188.	0.8	20
52	Identification of preferred carbohydrate binding modes in xenoreactive antibodies by combining conformational filters and binding site maps. <i>Glycobiology</i> , 2010, 20, 724-735.	2.5	25
53	Binding Mode Prediction of PDE4 Inhibitors: A Comparison of Modelling Methods. <i>Australian Journal of Chemistry</i> , 2010, 63, 396.	0.9	3
54	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.	0.9	2

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55	Using the \hat{I}^2 -Adrenoceptor for Structure-Based Drug Design. <i>Journal of Chemical Education</i> , 2010, 87, 625-627.	2.3	7
56	Homology Modeling and Docking Evaluation of Aminergic G Protein-Coupled Receptors. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 626-637.	5.4	91
57	Structural biology of carbohydrate xenoantigens. <i>Expert Opinion on Biological Therapy</i> , 2009, 9, 1017-1029.	3.1	18
58	Altered peptide ligands of myelin basic protein (MBP ₈₇₋₉₉) conjugated to reduced mannan modulate immune responses in mice. <i>Immunology</i> , 2009, 128, 521-533.	4.4	42
59	Conformational Analysis of Drug Molecules: A Practical Exercise in the Medicinal Chemistry Course. <i>Journal of Chemical Education</i> , 2009, 86, 477.	2.3	17
60	In silico analysis of antibody-carbohydrate interactions and its application to xenoreactive antibodies. <i>Molecular Immunology</i> , 2009, 47, 233-246.	2.2	31
61	Molecular Docking of Carbohydrate Ligands to Antibodies: Structural Validation against Crystal Structures. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 2749-2760.	5.4	62
62	Gas phase supramolecular cluster ions of deoxyguanosine induced by binding to (2,2,6,6-tetramethyl-3-terpyridine)-platinum(II) and (diethylenetriamine)-platinum(II). <i>Dalton Transactions</i> , 2009, , 1542-1543.	3.3	2
63	Reply to <i>Response to Milland et al.</i> : Carbohydrate residues downstream of the terminal gal α (1,3)gal epitope modulate the specificity of xenoreactive antibodies TM . <i>Immunology and Cell Biology</i> , 2008, 86, 633-634.	2.3	1
64	A double mutation of MBP ₈₃₋₉₉ peptide induces IL-4 responses and antagonizes IFN- γ responses. <i>Journal of Neuroimmunology</i> , 2008, 200, 77-89.	2.3	34
65	Mannosylation of mutated MBP ₈₃₋₉₉ peptides diverts immune responses from Th1 to Th2. <i>Molecular Immunology</i> , 2008, 45, 3661-3670.	2.2	32
66	Antibody-ligand docking: insights into peptide-carbohydrate mimicry. <i>Molecular Simulation</i> , 2008, 34, 461-469.	2.0	14
67	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-o1866.	0.2	0
68	MHC and MHC-like molecules: Structural perspectives on the design of molecular vaccines. <i>Hum Vaccin</i> , 2008, 4, 400-409.	2.4	11
69	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-acetone-pentane (2/1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4034-o4034.		
70	Carbohydrate residues downstream of the terminal Gal α (1,3)Gal epitope modulate the specificity of xenoreactive antibodies. <i>Immunology and Cell Biology</i> , 2007, 85, 623-632.	2.3	45
71	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.	0.2	1
72	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, 709-717.	2.3	66

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73	Investigation of structure–activity relationships in a series of glibenclamide analogues. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 835-847.	5.5	31
74	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.	0.2	16
75	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, 15029-15034.	7.1	82
76	Mcg light chain dimer as a model system for ligand design: a docking study. <i>Journal of Molecular Recognition</i> , 2002, 15, 331-340.	2.1	3
77	Recognition of IgG-Derived Peptides by a Human IgM with an Unusual Combining Site. <i>Scandinavian Journal of Immunology</i> , 2002, 55, 242-255.	2.7	12
78	Docking of combinatorial peptide libraries into a broadly cross-reactive human IgM. <i>Journal of Molecular Recognition</i> , 2001, 14, 172-184.	2.1	19
79	Binding of synthetic peptides by a human monoclonal IgM with an unusual combining site structure. <i>Journal of Molecular Recognition</i> , 2001, 14, 229-238.	2.1	11
80	Immunoglobulin Cross-Reactivity Examined by Library Screening, Crystallography and Docking Studies. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2001, 4, 397-408.	1.1	8
81	RNA-protein crosslinking to AMP residues at internal positions in RNA with a new photocrosslinking ATP analog. <i>Nucleic Acids Research</i> , 2000, 28, 1849-1858.	14.5	14
82	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, 1369-1376.	14.5	13
83	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. , 1999, 12, 337-345.		3
84	Steric Aspects of the Binding of Monofunctional Platinum(II) Complexes to Sites on Nucleobases: A Metal Complex –Flatness– as a Structural Element of Speciation. <i>Inorganic Chemistry</i> , 1998, 37, 6269-6275.	4.0	11
85	Steric Parameters for Metal Binding Sites on Nucleobases. <i>Inorganic Chemistry</i> , 1996, 35, 7914-7915.	4.0	10
86	'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.	5.6	2
87	Sterically restrictive metal complexes. The synthesis and structural characterization of (1,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 to cytosine and guanine derivatives. <i>Inorganica Chimica Acta</i> , 1993, 214, 169-176.	2.4	8
88	Teaching Chemistry Down Under in an –Upside Down–World: Lessons Learned and Stakeholder Perspectives. <i>ACS Symposium Series</i> , 0, , 105-122.	0.5	2