

Michael W Parker

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332
papers

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114
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354
ext. papers

18,120
ext. citations

7.9
avg, IF

6.18
L-index

#	Paper	IF	Citations
332	Structure and function of glutathione S-transferases. <i>BBA - Proteins and Proteomics</i> , 1994 , 1205, 1-18		455
331	Structure of a cholesterol-binding, thiol-activated cytolysin and a model of its membrane form. <i>Cell</i> , 1997 , 89, 685-92	56.2	412
330	Structure of the <i>Aeromonas</i> toxin proaerolysin in its water-soluble and membrane-channel states. <i>Nature</i> , 1994 , 367, 292-5	50.4	378
329	AMPK beta subunit targets metabolic stress sensing to glycogen. <i>Current Biology</i> , 2003 , 13, 867-71	6.3	355
328	Pore-forming protein toxins: from structure to function. <i>Progress in Biophysics and Molecular Biology</i> , 2005 , 88, 91-142	4.7	348
327	The mechanism of membrane insertion for a cholesterol-dependent cytolysin: a novel paradigm for pore-forming toxins. <i>Cell</i> , 1999 , 99, 293-9	56.2	320
326	Model for growth hormone receptor activation based on subunit rotation within a receptor dimer. <i>Nature Structural and Molecular Biology</i> , 2005 , 12, 814-21	17.6	313
325	Identification of a membrane-spanning domain of the thiol-activated pore-forming toxin <i>Clostridium perfringens</i> perfringolysin O: an alpha-helical to beta-sheet transition identified by fluorescence spectroscopy. <i>Biochemistry</i> , 1998 , 37, 14563-74	3.2	285
324	Mechanism of activation of protein kinase JAK2 by the growth hormone receptor. <i>Science</i> , 2014 , 344, 1249783	33.3	269
323	Three-dimensional structure of class pi glutathione S-transferase from human placenta in complex with S-hexylglutathione at 2.8 A resolution. <i>Journal of Molecular Biology</i> , 1992 , 227, 214-26	6.5	261
322	The granulocyte-macrophage colony-stimulating factor receptor: linking its structure to cell signaling and its role in disease. <i>Blood</i> , 2009 , 114, 1289-98	2.2	229
321	The structure of the GM-CSF receptor complex reveals a distinct mode of cytokine receptor activation. <i>Cell</i> , 2008 , 134, 496-507	56.2	225
320	Refined structure of the pore-forming domain of colicin A at 2.4 A resolution. <i>Journal of Molecular Biology</i> , 1992 , 224, 639-57	6.5	211
319	Structure of the Alzheimer's disease amyloid precursor protein copper binding domain. A regulator of neuronal copper homeostasis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 17401-7	5.4	208
318	Iron- and manganese-containing superoxide dismutases can be distinguished by analysis of their primary structures. <i>FEBS Letters</i> , 1988 , 229, 377-82	3.8	204
317	Crystal structure of the N-terminal, growth factor-like domain of Alzheimer amyloid precursor protein. <i>Nature Structural Biology</i> , 1999 , 6, 327-31		199
316	Oncogenic protein interfaces: small molecules, big challenges. <i>Nature Reviews Cancer</i> , 2014 , 14, 248-62	31.3	196

315	Zanamivir-resistant influenza viruses with a novel neuraminidase mutation. <i>Journal of Virology</i> , 2009 , 83, 10366-73	6.6	196
314	Insights into autoregulation from the crystal structure of twitchin kinase. <i>Nature</i> , 1994 , 369, 581-4	50.4	196
313	A systematic and functional classification of <i>Streptococcus pyogenes</i> that serves as a new tool for molecular typing and vaccine development. <i>Journal of Infectious Diseases</i> , 2014 , 210, 1325-38	7	187
312	Structural basis for glycogen recognition by AMP-activated protein kinase. <i>Structure</i> , 2005 , 13, 1453-62	5.2	163
311	Two structural transitions in membrane pore formation by pneumolysin, the pore-forming toxin of <i>Streptococcus pneumoniae</i> . <i>Cell</i> , 1999 , 97, 647-55	56.2	163
310	Anxiety over GABA(A) receptor structure relieved by AChBP. <i>Trends in Biochemical Sciences</i> , 2002 , 27, 280-7	10.3	161
309	Rational design of an organometallic glutathione transferase inhibitor. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3854-7	16.4	159
308	The structures of human glutathione transferase P1-1 in complex with glutathione and various inhibitors at high resolution. <i>Journal of Molecular Biology</i> , 1997 , 274, 84-100	6.5	158
307	The GM-CSF/IL-3/IL-5 cytokine receptor family: from ligand recognition to initiation of signaling. <i>Immunological Reviews</i> , 2012 , 250, 277-302	11.3	157
306	Crystal structure of manganese superoxide dismutase from <i>Bacillus stearothermophilus</i> at 2.4 Å resolution. <i>Journal of Molecular Biology</i> , 1988 , 199, 649-61	6.5	145
305	Molecular dissection of the interaction between amyloid precursor protein and its neuronal trafficking receptor SorLA/LR11. <i>Biochemistry</i> , 2006 , 45, 2618-28	3.2	144
304	Human theta class glutathione transferase: the crystal structure reveals a sulfate-binding pocket within a buried active site. <i>Structure</i> , 1998 , 6, 309-22	5.2	139
303	A mixed disulfide bond in bacterial glutathione transferase: functional and evolutionary implications. <i>Structure</i> , 1998 , 6, 721-34	5.2	134
302	Intrasteric control of AMPK via the gamma1 subunit AMP allosteric regulatory site. <i>Protein Science</i> , 2004 , 13, 155-65	6.3	130
301	Ca ²⁺ /S100 regulation of giant protein kinases. <i>Nature</i> , 1996 , 380, 636-9	50.4	127
300	Critical role for the second extracellular loop in the binding of both orthosteric and allosteric G protein-coupled receptor ligands. <i>Journal of Biological Chemistry</i> , 2007 , 282, 25677-86	5.4	122
299	Crystal structure of a colicin N fragment suggests a model for toxicity. <i>Structure</i> , 1998 , 6, 863-74	5.2	120
298	Substrate and pseudosubstrate interactions with protein kinases: determinants of specificity. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 440-4	10.3	120

297	Insights into the action of the superfamily of cholesterol-dependent cytolysins from studies of intermedilysin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 600-5	11.5	118
296	Rendering a membrane protein soluble in water: a common packing motif in bacterial protein toxins. <i>Trends in Biochemical Sciences</i> , 1993 , 18, 391-5	10.3	117
295	Human factor H-related protein 5 has cofactor activity, inhibits C3 convertase activity, binds heparin and C-reactive protein, and associates with lipoprotein. <i>Journal of Immunology</i> , 2005 , 174, 6250-6	5.3	115
294	Insights into membrane insertion based on studies of colicins. <i>Trends in Biochemical Sciences</i> , 1990 , 15, 126-9	10.3	115
293	Siah ubiquitin ligase is structurally related to TRAF and modulates TNF-alpha signaling. <i>Nature Structural Biology</i> , 2002 , 9, 68-75		113
292	The three-dimensional structure of the human Pi class glutathione transferase P1-1 in complex with the inhibitor ethacrynic acid and its glutathione conjugate. <i>Biochemistry</i> , 1997 , 36, 576-85	3.2	111
291	Crystal structure of maleylacetoacetate isomerase/glutathione transferase zeta reveals the molecular basis for its remarkable catalytic promiscuity. <i>Biochemistry</i> , 2001 , 40, 1567-76	3.2	108
290	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017 , 8, 14188	17.4	105
289	Arresting pore formation of a cholesterol-dependent cytolysin by disulfide trapping synchronizes the insertion of the transmembrane beta-sheet from a prepore intermediate. <i>Journal of Biological Chemistry</i> , 2001 , 276, 8261-8	5.4	105
288	Inhibitors of histone acetyltransferases KAT6A/B induce senescence and arrest tumour growth. <i>Nature</i> , 2018 , 560, 253-257	50.4	103
287	Nitrosylation of human glutathione transferase P1-1 with dinitrosyl diglutathionyl iron complex in vitro and in vivo. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42172-80	5.4	102
286	The ligandin (non-substrate) binding site of human Pi class glutathione transferase is located in the electrophile binding site (H-site). <i>Journal of Molecular Biology</i> , 1999 , 291, 913-26	6.5	101
285	Cytoplasmic ATP-sensing domains regulate gating of skeletal muscle ClC-1 chloride channels. <i>Journal of Biological Chemistry</i> , 2005 , 280, 32452-8	5.4	99
284	Aerolysin—the ins and outs of a model channel-forming toxin. <i>Molecular Microbiology</i> , 1996 , 19, 205-12	4.1	95
283	The molecular mechanism of pneumolysin, a virulence factor from <i>Streptococcus pneumoniae</i> . <i>Journal of Molecular Biology</i> , 1998 , 284, 449-61	6.5	94
282	Altered kinetics and benzodiazepine sensitivity of a GABAA receptor subunit mutation [gamma 2(R43Q)] found in human epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15170-5	11.5	90
281	Oseltamivir resistance and the H274Y neuraminidase mutation in seasonal, pandemic and highly pathogenic influenza viruses. <i>Drugs</i> , 2009 , 69, 2523-31	12.1	88
280	Potent hepatitis C inhibitors bind directly to NS5A and reduce its affinity for RNA. <i>Scientific Reports</i> , 2014 , 4, 4765	4.9	86

279	Structural studies of the Alzheimer β amyloid precursor protein copper-binding domain reveal how it binds copper ions. <i>Journal of Molecular Biology</i> , 2007 , 367, 148-61	6.5	85
278	From glutathione transferase to pore in a CLIC. <i>European Biophysics Journal</i> , 2002 , 31, 356-64	1.9	81
277	Site-directed mutagenesis of human glutathione transferase P1-1. Mutation of Cys-47 induces a positive cooperativity in glutathione transferase P1-1. <i>Journal of Biological Chemistry</i> , 1995 , 270, 1243-8	5.4	81
276	Identification and characterization of a new cognitive enhancer based on inhibition of insulin-regulated aminopeptidase. <i>FASEB Journal</i> , 2008 , 22, 4209-17	0.9	80
275	Human glutathione transferase P1-1 and nitric oxide carriers; a new role for an old enzyme. <i>Journal of Biological Chemistry</i> , 2001 , 276, 42138-45	5.4	79
274	Membrane insertion of the pore-forming domain of colicin A. A spectroscopic study. <i>FEBS Journal</i> , 1991 , 196, 599-607		79
273	Bapineuzumab captures the N-terminus of the Alzheimer β disease amyloid-beta peptide in a helical conformation. <i>Scientific Reports</i> , 2013 , 3, 1302	4.9	78
272	Structure and evolution of a novel dimeric enzyme from a clinically important bacterial pathogen. <i>Journal of Biological Chemistry</i> , 2008 , 283, 27598-27603	5.4	78
271	A rivet model for channel formation by aerolysin-like pore-forming toxins. <i>EMBO Journal</i> , 2006 , 25, 457-66		78
270	Molecular evolution of glutathione S-transferases in the genus <i>Drosophila</i> . <i>Genetics</i> , 2007 , 177, 1363-75	4	77
269	The identification and structure of the membrane-spanning domain of the <i>Clostridium septicum</i> alpha toxin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14315-22	5.4	77
268	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. <i>Nature Communications</i> , 2015 , 6, 6442	17.4	74
267	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. <i>Journal of Experimental Medicine</i> , 2015 , 212, 129-37	16.6	73
266	Structures of perfringolysin O suggest a pathway for activation of cholesterol-dependent cytolysins. <i>Journal of Molecular Biology</i> , 2007 , 367, 1227-36	6.5	72
265	Contrasting, species-dependent modulation of copper-mediated neurotoxicity by the Alzheimer β disease amyloid precursor protein. <i>Journal of Neuroscience</i> , 2002 , 22, 365-76	6.6	72
264	<i>Vibrio</i> spp. secrete proaerolysin as a folded dimer without the need for disulphide bond formation. <i>Molecular Microbiology</i> , 1995 , 17, 1035-44	4.1	72
263	TRIM16 acts as an E3 ubiquitin ligase and can heterodimerize with other TRIM family members. <i>PLoS ONE</i> , 2012 , 7, e37470	3.7	71
262	Crystallization of glutathione S-transferase from human placenta. <i>Journal of Molecular Biology</i> , 1990 , 213, 221-2	6.5	70

261	Cleaved antitrypsin polymers at atomic resolution. <i>Protein Science</i> , 2000 , 9, 417-20	6.3	67
260	Self-interaction of pneumolysin, the pore-forming protein toxin of <i>Streptococcus pneumoniae</i> . <i>Journal of Molecular Biology</i> , 1998 , 284, 1223-37	6.5	67
259	Mutagenesis of the active site of the human Theta-class glutathione transferase GSTT2-2: catalysis with different substrates involves different residues. <i>Biochemical Journal</i> , 1996 , 319 (Pt 1), 315-21	3.8	67
258	Studies of glutathione transferase P1-1 bound to a platinum(IV)-based anticancer compound reveal the molecular basis of its activation. <i>Chemistry - A European Journal</i> , 2011 , 17, 7806-16	4.8	66
257	Tetraspanins as regulators of the tumour microenvironment: implications for metastasis and therapeutic strategies. <i>British Journal of Pharmacology</i> , 2014 , 171, 5462-90	8.6	64
256	Catalytic mechanism and role of hydroxyl residues in the active site of theta class glutathione S-transferases. Investigation of Ser-9 and Tyr-113 in a glutathione S-transferase from the Australian sheep blowfly, <i>Lucilia cuprina</i> . <i>Journal of Biological Chemistry</i> , 1997 , 272, 29681-6	5.4	64
255	Signalling by the η family of cytokines. <i>Cytokine and Growth Factor Reviews</i> , 2013 , 24, 189-201	17.9	62
254	Identification and development of specific inhibitors for insulin-regulated aminopeptidase as a new class of cognitive enhancers. <i>British Journal of Pharmacology</i> , 2011 , 164, 37-47	8.6	59
253	Elucidation of the substrate binding site of Siah ubiquitin ligase. <i>Structure</i> , 2006 , 14, 695-701	5.2	59
252	Kinetics of HIV-1 capsid uncoating revealed by single-molecule analysis. <i>ELife</i> , 2018 , 7,	8.9	58
251	Multifunctional role of Tyr 108 in the catalytic mechanism of human glutathione transferase P1-1. Crystallographic and kinetic studies on the Y108F mutant enzyme. <i>Biochemistry</i> , 1997 , 36, 6207-17	3.2	58
250	Parallel screening of low molecular weight fragment libraries: do differences in methodology affect hit identification?. <i>Journal of Biomolecular Screening</i> , 2013 , 18, 147-59		57
249	Inhibition of skeletal muscle CLC-1 chloride channels by low intracellular pH and ATP. <i>Journal of Biological Chemistry</i> , 2007 , 282, 32780-91	5.4	57
248	Homology model of the GABAA receptor examined using Brownian dynamics. <i>Biophysical Journal</i> , 2005 , 88, 3286-99	2.9	57
247	Structural characterization of respiratory syncytial virus fusion inhibitor escape mutants: homology model of the F protein and a syncytium formation assay. <i>Virology</i> , 2003 , 311, 275-88	3.6	57
246	Structure of the Janus protein human CLIC2. <i>Journal of Molecular Biology</i> , 2007 , 374, 719-31	6.5	56
245	Solution conformation and heparin-induced dimerization of the full-length extracellular domain of the human amyloid precursor protein. <i>Journal of Molecular Biology</i> , 2006 , 357, 493-508	6.5	56
244	Molecular basis for mid-region amyloid- β capture by leading Alzheimer's disease immunotherapies. <i>Scientific Reports</i> , 2015 , 5, 9649	4.9	54

243	Molecular basis of cytokine receptor activation. <i>IUBMB Life</i> , 2010 , 62, 509-18	4.7	54
242	A common channel-forming motif in evolutionarily distant porins. <i>Journal of Structural Biology</i> , 1991 , 107, 136-45	3.4	54
241	Structural basis of allosteric and synergistic activation of AMPK by furan-2-phosphonic derivative C2 binding. <i>Nature Communications</i> , 2016 , 7, 10912	17.4	53
240	Evidence for an induced-fit mechanism operating in pi class glutathione transferases. <i>Biochemistry</i> , 1998 , 37, 9912-7	3.2	53
239	The η receptor family - Structural insights and their functional implications. <i>Cytokine</i> , 2015 , 74, 247-58	4	51
238	A proposed structural basis for picrotoxinin and picrotin binding in the glycine receptor pore. <i>Journal of Neurochemistry</i> , 2007 , 103, 580-9	6	51
237	Copper binding to the Alzheimer β disease amyloid precursor protein. <i>European Biophysics Journal</i> , 2008 , 37, 269-79	1.9	51
236	Conversion of a transmembrane to a water-soluble protein complex by a single point mutation. <i>Nature Structural Biology</i> , 2002 , 9, 729-33		51
235	The GM-CSF receptor family: mechanism of activation and implications for disease. <i>Growth Factors</i> , 2012 , 30, 63-75	1.6	50
234	Aerolysin--a paradigm for membrane insertion of beta-sheet protein toxins?. <i>Journal of Structural Biology</i> , 1998 , 121, 92-100	3.4	49
233	Proton release on binding of glutathione to Alpha, Mu and Delta class glutathione transferases. <i>Biochemical Journal</i> , 1999 , 344, 419-425	3.8	49
232	Recognition and detoxification of the insecticide DDT by <i>Drosophila melanogaster</i> glutathione S-transferase D1. <i>Journal of Molecular Biology</i> , 2010 , 399, 358-66	6.5	48
231	Crystallization, structural determination and analysis of a novel parasite vaccine candidate: <i>Fasciola hepatica</i> glutathione S-transferase. <i>Journal of Molecular Biology</i> , 1997 , 273, 857-72	6.5	48
230	A structure-based mechanism of cisplatin resistance mediated by glutathione transferase P1-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13943-13951 ^{11.5}		47
229	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. <i>Blood</i> , 2013 , 122, 738-48	2.2	47
228	Structure of the activation domain of the GM-CSF/IL-3/IL-5 receptor common η chain bound to an antagonist. <i>Blood</i> , 2000 , 95, 2491-2498	2.2	47
227	Development of cognitive enhancers based on inhibition of insulin-regulated aminopeptidase. <i>BMC Neuroscience</i> , 2008 , 9 Suppl 2, S14	3.2	46
226	Insights into the structural basis for zinc inhibition of the glycine receptor. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28985-92	5.4	46

225	The glutathione conjugate of ethacrynic acid can bind to human pi class glutathione transferase P1-1 in two different modes. <i>FEBS Letters</i> , 1997 , 419, 32-6	3.8	45
224	Amyloid-beta-anti-amyloid-beta complex structure reveals an extended conformation in the immunodominant B-cell epitope. <i>Journal of Molecular Biology</i> , 2008 , 377, 181-92	6.5	45
223	Protonation of histidine-132 promotes oligomerization of the channel-forming toxin aerolysin. <i>Biochemistry</i> , 1995 , 34, 16450-5	3.2	45
222	Structural flexibility modulates the activity of human glutathione transferase P1-1. Influence of a poor co-substrate on dynamics and kinetics of human glutathione transferase. <i>Journal of Biological Chemistry</i> , 1996 , 271, 16193-8	5.4	45
221	Do current therapeutic anti-A β antibodies for Alzheimer's disease engage the target?. <i>Acta Neuropathologica</i> , 2014 , 127, 803-10	14.3	44
220	Structural studies of <i>Streptococcus pyogenes</i> streptolysin O provide insights into the early steps of membrane penetration. <i>Journal of Molecular Biology</i> , 2014 , 426, 785-92	6.5	44
219	Crystal structure of <i>Streptococcus pneumoniae</i> pneumolysin provides key insights into early steps of pore formation. <i>Scientific Reports</i> , 2015 , 5, 14352	4.9	44
218	Mapping the intermedilysin-human CD59 receptor interface reveals a deep correspondence with the binding site on CD59 for complement binding proteins C8alpha and C9. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20952-62	5.4	44
217	Structure of the lectin regulatory domain of the cholesterol-dependent cytolysin lectinolysin reveals the basis for its lewis antigen specificity. <i>Structure</i> , 2012 , 20, 248-58	5.2	43
216	The anti-cancer drug chlorambucil as a substrate for the human polymorphic enzyme glutathione transferase P1-1: kinetic properties and crystallographic characterisation of allelic variants. <i>Journal of Molecular Biology</i> , 2008 , 380, 131-44	6.5	43
215	GSTZ1d: a new allele of glutathione transferase zeta and maleylacetoacetate isomerase. <i>Pharmacogenetics and Genomics</i> , 2001 , 11, 671-8		43
214	Monomer-monomer interactions propagate structural transitions necessary for pore formation by the cholesterol-dependent cytolysins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 24534-43	5.4	42
213	Conformational changes in aerolysin during the transition from the water-soluble protoxin to the membrane channel. <i>Biochemistry</i> , 1997 , 36, 15224-32	3.2	42
212	Lymphotoxin β induces apoptosis, necroptosis and inflammatory signals with the same potency as tumour necrosis factor. <i>FEBS Journal</i> , 2013 , 280, 5283-97	5.7	41
211	Substrate-mediated stabilization of a tetrameric drug target reveals Achilles heel in anthrax. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5188-95	5.4	41
210	Direct involvement of the TEN domain at the active site of human telomerase. <i>Nucleic Acids Research</i> , 2011 , 39, 1774-88	20.1	41
209	Crystal structure of human insulin-regulated aminopeptidase with specificity for cyclic peptides. <i>Protein Science</i> , 2015 , 24, 190-9	6.3	40
208	GSTB1-1 from <i>Proteus mirabilis</i> : a snapshot of an enzyme in the evolutionary pathway from a redox enzyme to a conjugating enzyme. <i>Journal of Biological Chemistry</i> , 2002 , 277, 18777-84	5.4	40

207	Synthesis, structure-activity relationships and brain uptake of a novel series of benzopyran inhibitors of insulin-regulated aminopeptidase. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 1368-77	8.3	39
206	Clarification of the role of key active site residues of glutathione transferase zeta/maleylacetoacetate isomerase by a new spectrophotometric technique. <i>Biochemical Journal</i> , 2003 , 374, 731-7	3.8	39
205	Studies on the structure and mechanism of a bacterial protein toxin by analytical ultracentrifugation and small-angle neutron scattering. <i>Journal of Molecular Biology</i> , 1999 , 293, 1145-60	6.5	39
204	Hsp90 increases LIM kinase activity by promoting its homo-dimerization. <i>FASEB Journal</i> , 2006 , 20, 1218-20	9	38
203	Abeta targets of the biosimilar antibodies of Bapineuzumab, Crenezumab, Solanezumab in comparison to an antibody against N-truncated Abeta in sporadic Alzheimer disease cases and mouse models. <i>Acta Neuropathologica</i> , 2015 , 130, 713-29	14.3	36
202	Synthetic dityrosine-linked amyloid dimers form stable, soluble, neurotoxic oligomers. <i>Chemical Science</i> , 2013 , 4, 4449	9.4	36
201	Characterization of pathogenic human monoclonal autoantibodies against GM-CSF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7832-7	11.5	36
200	Solid-phase synthesis of homodimeric peptides: preparation of covalently-linked dimers of amyloid beta peptide. <i>Chemical Communications</i> , 2009 , 6228-30	5.8	36
199	Molecular determinants of ginkgolide binding in the glycine receptor pore. <i>Journal of Neurochemistry</i> , 2006 , 98, 395-407	6	36
198	Optimised expression and purification of recombinant human indoleamine 2,3-dioxygenase. <i>Protein Expression and Purification</i> , 2004 , 37, 392-8	2	36
197	Dual mechanism of interleukin-3 receptor blockade by an anti-cancer antibody. <i>Cell Reports</i> , 2014 , 8, 410-9	10.6	35
196	Site-directed mutagenesis of the <i>Proteus mirabilis</i> glutathione transferase B1-1 G-site. <i>FEBS Letters</i> , 1998 , 423, 122-4	3.8	35
195	Federated repositories of X-ray diffraction images. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2008 , D64, 810-4		35
194	Monoubiquitination by the human Fanconi anemia core complex clamps FANCI:FANCD2 on DNA in filamentous arrays. <i>ELife</i> , 2020 , 9,	8.9	35
193	An intermolecular electrostatic interaction controls the prepore-to-pore transition in a cholesterol-dependent cytolysin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2204-9	11.5	34
192	Crystal structure of the HIV-1 integrase core domain in complex with sucrose reveals details of an allosteric inhibitory binding site. <i>FEBS Letters</i> , 2010 , 584, 1455-62	3.8	34
191	Movement of a loop in domain 3 of aerolysin is required for channel formation. <i>Biochemistry</i> , 1998 , 37, 741-6	3.2	34
190	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK isoforms. <i>Nature Metabolism</i> , 2020 , 2, 873-881	14.6	34

189	An Orally Available 3-Ethoxybenzisoxazole Capsid Binder with Clinical Activity against Human Rhinovirus. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 303-7	4.3	33
188	Conformational Changes in the GM-CSF Receptor Suggest a Molecular Mechanism for Affinity Conversion and Receptor Signaling. <i>Structure</i> , 2016 , 24, 1271-1281	5.2	33
187	Glutathione transferase P1-1: self-preservation of an anti-cancer enzyme. <i>Biochemical Journal</i> , 2003 , 376, 71-6	3.8	32
186	Molecular determinants of common gating of a ClC chloride channel. <i>Nature Communications</i> , 2013 , 4, 2507	17.4	31
185	A structurally derived consensus pattern for theta class glutathione transferases. <i>Protein Engineering, Design and Selection</i> , 1996 , 9, 327-32	1.9	31
184	Small Molecule Binding to Alzheimer Risk Factor CD33 Promotes Apoptosis. <i>iScience</i> , 2019 , 19, 110-118	6.1	30
183	Tropisetron modulation of the glycine receptor: femtomolar potentiation and a molecular determinant of inhibition. <i>Journal of Neurochemistry</i> , 2007 , 100, 758-69	6	30
182	Functional analysis of the evolutionarily conserved proline 53 residue in <i>Proteus mirabilis</i> glutathione transferase B1-1. <i>FEBS Letters</i> , 1999 , 445, 347-50	3.8	30
181	Crystallization of a proform of aerolysin, a hole-forming toxin from <i>Aeromonas hydrophila</i> . <i>Journal of Molecular Biology</i> , 1990 , 212, 561-2	6.5	30
180	The role of electrostatic charge in the membrane insertion of colicin A. Calculation and mutation. <i>FEBS Journal</i> , 1994 , 220, 155-63		29
179	Insights into interactions between the alpha-helical region of the salmon calcitonin antagonists and the human calcitonin receptor using photoaffinity labeling. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28610-22	5.4	27
178	Solution structure of glutathione bound to human glutathione transferase P1-1: comparison of NMR measurements with the crystal structure. <i>Biochemistry</i> , 1998 , 37, 3020-7	3.2	27
177	Crystal structure of a putative methyltransferase from <i>Mycobacterium tuberculosis</i> : misannotation of a genome clarified by protein structural analysis. <i>Journal of Bacteriology</i> , 2003 , 185, 4057-65	3.5	26
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