

Michael W Parker

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.

332
papers

16,509
citations

70
h-index

114
g-index

354
ext. papers

18,120
ext. citations

7.9
avg, IF

6.18
L-index

#	Paper	IF	Citations
332	Mechanism of Bloom syndrome complex assembly required for double Holliday junction dissolution and genome stability.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	1
331	Structural biology of cell surface receptors implicated in Alzheimer's disease.. <i>Biophysical Reviews</i> , 2022 , 14, 233-255	3.7	0
330	Reaction hijacking of tyrosine tRNA synthetase as a new whole-of-life-cycle antimalarial strategy. <i>Science</i> , 2022 , 376, 1074-1079	33.3	3
329	Cytokine Receptors and their Ligands 2022 ,		
328	Structure of native HIV-1 cores and their interactions with IP6 and CypA. <i>Science Advances</i> , 2021 , 7, eabj5715	11.5	1
327	Messing with β : A unique receptor with many goals. <i>Seminars in Immunology</i> , 2021 , 54, 101513	10.7	0
326	A DARPIn targeting activated Mac-1 is a novel diagnostic tool and potential anti-inflammatory agent in myocarditis, sepsis and myocardial infarction. <i>Basic Research in Cardiology</i> , 2021 , 116, 17	11.8	6
325	An ALYREF-MYCN coactivator complex drives neuroblastoma tumorigenesis through effects on USP3 and MYCN stability. <i>Nature Communications</i> , 2021 , 12, 1881	17.4	8
324	A novel combination therapy targeting ubiquitin-specific protease 5 in MYCN-driven neuroblastoma. <i>Oncogene</i> , 2021 , 40, 2367-2381	9.2	3
323	Role of nicotinic acetylcholine receptor subunits in the mode of action of neonicotinoid, sulfoximine and spinosyn insecticides in <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2021 , 131, 103547	4.5	14
322	Repurposing of drugs as STAT3 inhibitors for cancer therapy. <i>Seminars in Cancer Biology</i> , 2021 , 68, 31-46	12.7	23
321	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 585-598	11.5	5
320	Design of proteasome inhibitors with oral efficacy in vivo against and selectivity over the human proteasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
319	Drug repurposing: Misconceptions, challenges, and opportunities for academic researchers. <i>Science Translational Medicine</i> , 2021 , 13, eabd5524	17.5	12
318	Development of [¹⁸ F]MIPS15692, a radiotracer with in vitro proof-of-concept for the imaging of MER tyrosine kinase (MERTK) in neuroinflammatory disease. <i>European Journal of Medicinal Chemistry</i> , 2021 , 226, 113822	6.8	1
317	X-ray crystallography shines a light on pore-forming toxins. <i>Methods in Enzymology</i> , 2021 , 649, 1-46	1.7	2
316	A structural view of PA2G4 isoforms with opposing functions in cancer. <i>Journal of Biological Chemistry</i> , 2020 , 295, 16100-16112	5.4	4

315	The structure of the extracellular domains of human interleukin 11 receptor reveals mechanisms of cytokine engagement. <i>Journal of Biological Chemistry</i> , 2020 , 295, 8285-8301	5.4	10
314	Sequence comparisons of cytochrome P450 aromatases from Australian animals predict differences in enzymatic activity and/or efficiency. <i>Biology of Reproduction</i> , 2020 , 102, 1261-1269	3.9	0
313	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. <i>PLoS ONE</i> , 2020 , 15, e0229000	3.7	6
312	Discovery of Acylsulfonohydrazide-Derived Inhibitors of the Lysine Acetyltransferase, KAT6A, as Potent Senescence-Inducing Anti-Cancer Agents. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4655-4684	8.3	3
311	Monoubiquitination by the human Fanconi anemia core complex clamps FANCI:FANCD2 on DNA in filamentous arrays. <i>ELife</i> , 2020 , 9,	8.9	35
310	The Crystal Structure of the Manganese Superoxide Dismutase from <i>Geobacillus stearothermophilus</i> : Parker and Blake (1988) Revisited. <i>Australian Journal of Chemistry</i> , 2020 , 73, 145	1.2	1
309	A Key Motif in the Cholesterol-Dependent Cytolysins Reveals a Large Family of Related Proteins. <i>MBio</i> , 2020 , 11,	7.8	8
308	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
307	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. <i>Journal of Biological Chemistry</i> , 2020 , 295, 16239-16250	5.4	16
306	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin 2020 , 15, e0229000		
305	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin 2020 , 15, e0229000		
304	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin 2020 , 15, e0229000		
303	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin 2020 , 15, e0229000		
302	A Family of Dual-Activity Glycosyltransferase-Phosphorylases Mediates Mannogen Turnover and Virulence in <i>Leishmania</i> Parasites. <i>Cell Host and Microbe</i> , 2019 , 26, 385-399.e9	23.4	22
301	Cholesterol-Dependent Cytolysins: Membrane and Protein Structural Requirements for Pore Formation. <i>Chemical Reviews</i> , 2019 , 119, 7721-7736	68.1	22
300	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
299	The Structural Basis for a Transition State That Regulates Pore Formation in a Bacterial Toxin. <i>MBio</i> , 2019 , 10,	7.8	7
298	Repurposing the selective estrogen receptor modulator to suppress gastrointestinal cancer growth. <i>EMBO Molecular Medicine</i> , 2019 , 11,	12	22

297	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. <i>Angewandte Chemie</i> , 2019 , 131, 16936-16940	3.6	3
296	Small Molecule Binding to Alzheimer Risk Factor CD33 Promotes A β Phagocytosis. <i>IScience</i> , 2019 , 19, 110-118	6.1	30
295	The structure of the PA28-20S proteasome complex from Plasmodium falciparum and implications for proteostasis. <i>Nature Microbiology</i> , 2019 , 4, 1990-2000	26.6	18
294	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16780-16784	16.4	13
293	Discovery of Benzoylsulfonylhydrazides as Potent Inhibitors of the Histone Acetyltransferase KAT6A. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 7146-7159	8.3	13
292	An Intermolecular π -Stacking Interaction Drives Conformational Changes Necessary to β -Barrel Formation in a Pore-Forming Toxin. <i>MBio</i> , 2019 , 10,	7.8	6
291	Structure and Function of the Proteasome Activator PA28 of the Malaria Parasite Plasmodium falciparum. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1324-1325	0.5	
290	Fluorescence Microscopy Assay to Measure HIV-1 Capsid Uncoating Kinetics. <i>Bio-protocol</i> , 2019 , 9, e32970.9	0.9	5
289	Drugging MYCN Oncogenic Signaling through the MYCN-PA2G4 Binding Interface. <i>Cancer Research</i> , 2019 , 79, 5652-5667	10.1	17
288	The genetics, structure and function of the M1 aminopeptidase oxytocinase subfamily and their therapeutic potential in immune-mediated disease. <i>Human Immunology</i> , 2019 , 80, 281-289	2.3	11
287	Reaction mechanism of the bioluminescent protein mnemiopsin1 revealed by X-ray crystallography and QM/MM simulations. <i>Journal of Biological Chemistry</i> , 2019 , 294, 20-27	5.4	6
286	Structural Determinants for Small-Molecule Activation of Skeletal Muscle AMPK α 2 β 1 by the Glucose Importagoc SC4. <i>Cell Chemical Biology</i> , 2018 , 25, 728-737.e9	8.2	24
285	A dual role for the N-terminal domain of the IL-3 receptor in cell signalling. <i>Nature Communications</i> , 2018 , 9, 386	17.4	20
284	Role of the β -Common (β) Family of Cytokines in Health and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018 , 10,	10.2	13
283	Targeting of C-type lectin-like receptor α 2 or P2Y12 for the prevention of platelet activation by immunotherapeutic CpG oligodeoxynucleotides: comment. <i>Journal of Thrombosis and Haemostasis</i> , 2018 , 16, 181-185	15.4	1
282	Inhibitors of histone acetyltransferases KAT6A/B induce senescence and arrest tumour growth. <i>Nature</i> , 2018 , 560, 253-257	50.4	103
281	Kinetics of HIV-1 capsid uncoating revealed by single-molecule analysis. <i>ELife</i> , 2018 , 7,	8.9	58
280	EPO does not promote interaction between the erythropoietin and beta-common receptors. <i>Scientific Reports</i> , 2018 , 8, 12457	4.9	15

279	Cholesterol-dependent cytolysins: from water-soluble state to membrane pore. <i>Biophysical Reviews</i> , 2018 , 10, 1337-1348	3.7	24
278	Cyclic Hexapeptide Mimics of the LEDGF Integrase Recognition Loop in Complex with HIV-1 Integrase. <i>ChemMedChem</i> , 2018 , 13, 1555-1565	3.7	4
277	Accumulation of JAK Activation-Loop Phosphorylation Promotes Type I JAK Inhibitor Withdrawal Syndrome in Myelofibrosis. <i>Blood</i> , 2018 , 132, 1787-1787	2.2	
276	AMP and adenosine are both ligands for adenosine 2B receptor signaling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 202-206	2.9	7
275	Accumulation of JAK activation loop phosphorylation is linked to type I JAK inhibitor withdrawal syndrome in myelofibrosis. <i>Science Advances</i> , 2018 , 4, eaat3834	14.3	23
274	Protein structure and computational drug discovery. <i>Biochemical Society Transactions</i> , 2018 , 46, 1367-1379	3.9	17
273	Substrate Locking Promotes Dimer-Dimer Docking of an Enzyme Antibiotic Target. <i>Structure</i> , 2018 , 26, 948-959.e5	5.2	2
272	The mechanism of GM-CSF inhibition by human GM-CSF auto-antibodies suggests novel therapeutic opportunities. <i>MAbs</i> , 2018 , 10, 1018-1029	6.6	1
271	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017 , 8, 14188	17.4	105
270	Glutathione transferase P1-1 as an arsenic drug-sequestering enzyme. <i>Protein Science</i> , 2017 , 26, 317-326	6.3	12
269	Promiscuous DNA-binding of a mutant zinc finger protein corrupts the transcriptome and diminishes cell viability. <i>Nucleic Acids Research</i> , 2017 , 45, 1130-1143	20.1	23
268	Ex vivo O-labeling mass spectrometry identifies a peripheral amyloid clearance pathway. <i>Molecular Neurodegeneration</i> , 2017 , 12, 18	19	15
267	Nitric Oxide Interacting with Glutathione Transferases 2017 , 191-195		
266	Control of Virulence Gene Expression by the Master Regulator, CfaD, in the Prototypical Enterotoxigenic Strain, H10407. <i>Frontiers in Microbiology</i> , 2017 , 8, 1525	5.7	4
265	QM/MM simulations provide insight into the mechanism of bioluminescence triggering in ctenophore photoproteins. <i>PLoS ONE</i> , 2017 , 12, e0182317	3.7	6
264	A Homodimer Model Can Resolve the Conundrum as to How Cytochrome P450 Oxidoreductase and Cytochrome b5 Compete for the Same Binding Site on Cytochrome P450c17. <i>Current Protein and Peptide Science</i> , 2017 , 18, 515-521	2.8	5
263	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
262	The Binding of Syndapin SH3 Domain to Dynamin Proline-rich Domain Involves Short and Long Distance Elements. <i>Journal of Biological Chemistry</i> , 2016 , 291, 9411-24	5.4	14

261	CSL311, a novel, potent, therapeutic monoclonal antibody for the treatment of diseases mediated by the common β -chain of the IL-3, GM-CSF and IL-5 receptors. <i>MABs</i> , 2016 , 8, 436-53	6.6	22
260	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
259	The C-terminal extension of human telomerase reverse transcriptase is necessary for high affinity binding to telomeric DNA. <i>Biochimie</i> , 2016 , 128-129, 114-21	4.6	5
258	Structural Basis for Receptor Recognition by the Human CD59-Responsive Cholesterol-Dependent Cytolysins. <i>Structure</i> , 2016 , 24, 1488-98	5.2	20
257	Structural Determinants Defining the Allosteric Inhibition of an Essential Antibiotic Target. <i>Structure</i> , 2016 , 24, 1282-1291	5.2	23
256	Determinants of oligosaccharide specificity of the carbohydrate-binding modules of AMP-activated protein kinase. <i>Biochemical Journal</i> , 2015 , 468, 245-57	3.8	19
255	Molecular basis for mid-region amyloid- β capture by leading Alzheimer's disease immunotherapies. <i>Scientific Reports</i> , 2015 , 5, 9649	4.9	54
254	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. <i>Nature Communications</i> , 2015 , 6, 6442	17.4	74
253	The β receptor family - Structural insights and their functional implications. <i>Cytokine</i> , 2015 , 74, 247-58	4	51
252	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
251	Discovery and SAR of novel pyrazolo[1,5-a]pyrimidines as inhibitors of CDK9. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 6280-96	3.4	25
250	Evolutionary comparisons predict that dimerization of human cytochrome P450 aromatase increases its enzymatic activity and efficiency. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 154, 294-301	5.1	8
249	Crystal structure of human insulin-regulated aminopeptidase with specificity for cyclic peptides. <i>Protein Science</i> , 2015 , 24, 190-9	6.3	40
248	Propargyloxyproline Regio- and Stereoisomers for Click-Conjugation of Peptides: Synthesis and Application in Linear and Cyclic Peptides. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1365	1.2	9
247	Structure of the lysine specific protease Kgp from Porphyromonas gingivalis, a target for improved oral health. <i>Protein Science</i> , 2015 , 24, 162-6	6.3	13
246	Crystal structure of Streptococcus pneumoniae pneumolysin provides key insights into early steps of pore formation. <i>Scientific Reports</i> , 2015 , 5, 14352	4.9	44
245	Two-step mechanism involving active-site conformational changes regulates human telomerase DNA binding. <i>Biochemical Journal</i> , 2015 , 465, 347-57	3.8	14
244	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. <i>Journal of Experimental Medicine</i> , 2015 , 212, 129-37	16.6	73

243	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
242	Abstract 5371: PRMT5 inhibitors as novel treatment for cancers 2015 ,		3
241	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). <i>PLoS ONE</i> , 2015 , 10, e0141252	3.7	22
240	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
239	Oncogenic protein interfaces: small molecules, big challenges. <i>Nature Reviews Cancer</i> , 2014 , 14, 248-62	31.3	196
238	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
237	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
236	Mechanism of activation of protein kinase JAK2 by the growth hormone receptor. <i>Science</i> , 2014 , 344, 1249783	33.3	269
235	78. <i>Cytokine</i> , 2014 , 70, 46		4
234	Dual mechanism of interleukin-3 receptor blockade by an anti-cancer antibody. <i>Cell Reports</i> , 2014 , 8, 410-9	10.6	35
233	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
232	The role of Rdl in resistance to phenylpyrazoles in <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 54, 11-21	4.5	20
231	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
230	Potent hepatitis C inhibitors bind directly to NS5A and reduce its affinity for RNA. <i>Scientific Reports</i> , 2014 , 4, 4765	4.9	86
229	Activity-modulating monoclonal antibodies to the human serine protease HtrA3 provide novel insights into regulating HtrA proteolytic activities. <i>PLoS ONE</i> , 2014 , 9, e108235	3.7	7
228	Computational Analysis of Amiloride Analogue Inhibitors of B3 RNA Polymerase. <i>Journal of Proteomics and Bioinformatics</i> , 2014 , Suppl 9, 004	2.1	1
227	Crystallization and preliminary X-ray diffraction analysis of the Fab portion of the Alzheimer's disease immunotherapy candidate bapineuzumab complexed with amyloid- β . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 374-7	1.1	10
226	Unexpected mechanisms of action for a cytokine receptor-blocking antibody. <i>Molecular and Cellular Oncology</i> , 2014 , 1, e969129	1.2	1

225	Discovery of Phosphodiesterase-4 Inhibitors: Serendipity and Rational Drug Design. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1780	1.2	2
224	Anti-Aβ antibody target engagement: a response to Siemers et al. <i>Acta Neuropathologica</i> , 2014 , 128, 611-4	14.3	4
223	Crystallization and preliminary X-ray diffraction analysis of the interleukin-3 alpha receptor bound to the Fab fragment of antibody CSL362. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 358-61	1.1	7
222	Lymphotoxin α 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
221	The impact of nitric oxide toxicity on the evolution of the glutathione transferase superfamily: a proposal for an evolutionary driving force. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24936-47	5.4	23
220	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
219	Synthetic dityrosine-linked β -amyloid dimers form stable, soluble, neurotoxic oligomers. <i>Chemical Science</i> , 2013 , 4, 4449	9.4	36
218	Molecular determinants of common gating of a ClC chloride channel. <i>Nature Communications</i> , 2013 , 4, 2507	17.4	31
217	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
216	Signalling by the β family of cytokines. <i>Cytokine and Growth Factor Reviews</i> , 2013 , 24, 189-201	17.9	62
215	Molecular and structural insight into lysine selection on substrate and ubiquitin lysine 48 by the ubiquitin-conjugating enzyme Cdc34. <i>Cell Cycle</i> , 2013 , 12, 1732-44	4.7	17
214	Bapineuzumab captures the N-terminus of the Alzheimer's disease amyloid-beta peptide in a helical conformation. <i>Scientific Reports</i> , 2013 , 3, 1302	4.9	78
213	Disarming bacterial virulence through chemical inhibition of the DNA binding domain of an AraC-like transcriptional activator protein. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31115-26	5.4	20
212	Phosphorylation of serine 779 in fibroblast growth factor receptor 1 and 2 by protein kinase C(epsilon) regulates Ras/mitogen-activated protein kinase signaling and neuronal differentiation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 14874-85	5.4	12
211	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
210	Small molecule proprotein convertase inhibitors for inhibition of embryo implantation. <i>PLoS ONE</i> , 2013 , 8, e81380	3.7	2
209	From knock-out phenotype to three-dimensional structure of a promising antibiotic target from <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2013 , 8, e83419	3.7	21
208	Cytokine receptor activation at the cell surface. <i>Current Opinion in Structural Biology</i> , 2012 , 22, 350-9	8.1	25

207	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
206	Crystallization and preliminary X-ray diffraction analysis of human endoplasmic reticulum aminopeptidase 2. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 468-71		6
205	The GM-CSF receptor family: mechanism of activation and implications for disease. <i>Growth Factors</i> , 2012 , 30, 63-75	1.6	50
204	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
203	An Orally Available 3-Ethoxybenzoxazole Capsid Binder with Clinical Activity against Human Rhinovirus. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 303-7	4.3	33
202	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
201	PEGylation of a proprotein convertase peptide inhibitor for vaginal route of drug delivery: in vitro bioactivity, stability and in vivo pharmacokinetics. <i>Peptides</i> , 2012 , 38, 266-74	3.8	5
200	Structural approaches to probing metal interaction with proteins. <i>Journal of Inorganic Biochemistry</i> , 2012 , 115, 138-47	4.2	14
199	Phosphorylation of syndapin I F-BAR domain at two helix-capping motifs regulates membrane tubulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3760-5	11.5	25
198	Manipulating the Lewis antigen specificity of the cholesterol-dependent cytolysin lectinolysin. <i>Frontiers in Immunology</i> , 2012 , 3, 330	8.4	7
197	Intracellular Nicotinamide adenine dinucleotide inhibits the skeletal muscle ClC-1 chloride channel. <i>Journal of Biological Chemistry</i> , 2012 , 287, 25808-20	5.4	20
196	Selective Inhibitors of Arginine Methyl Transferase 5 (PRMT5) As a Novel Treatment for β -Thalassemia and Sickle Cell Disease.. <i>Blood</i> , 2012 , 120, 2129-2129	2.2	1
195	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
194	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
193	The extended catalysis of glutathione transferase. <i>FEBS Letters</i> , 2011 , 585, 341-5	3.8	9
192	Thiophene inhibitors of PDE4: crystal structures show a second binding mode at the catalytic domain of PDE4D2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 7089-93	2.9	17
191	Preparation, crystallization and preliminary X-ray diffraction analysis of two intestinal fatty-acid binding proteins in the presence of 11-(dansylamino)undecanoic acid. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 291-5		3
190	Purification, crystallization, small-angle X-ray scattering and preliminary X-ray diffraction analysis of the SH2 domain of the Csk-homologous kinase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 336-9		15

189	Crystal structure of the Leishmania major MIX protein: a scaffold protein that mediates protein-protein interactions. <i>Protein Science</i> , 2011 , 20, 1060-8	6.3	2
188	Diuretic drug binding to human glutathione transferase P1-1: potential role of Cys-101 revealed in the double mutant C47S/Y108V. <i>Journal of Molecular Recognition</i> , 2011 , 24, 220-34	2.6	12
187	Fragment-based design of ligands targeting a novel site on the integrase enzyme of human immunodeficiency virus 1. <i>ChemMedChem</i> , 2011 , 6, 258-61	3.7	22
186	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
185	Regulation of insulin-regulated membrane aminopeptidase activity by its C-terminal domain. <i>Biochemistry</i> , 2011 , 50, 2611-22	3.2	24
184	Amiloride is a competitive inhibitor of coxsackievirus B3 RNA polymerase. <i>Journal of Virology</i> , 2011 , 85, 10364-74	6.6	16
183	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
182	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
181	An activation-specific platelet inhibitor that can be turned on/off by medically used hypothermia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2015-23	9.4	11
180	An Escherichia coli cell-free system for recombinant protein synthesis on a milligram scale. <i>Methods in Molecular Biology</i> , 2011 , 752, 17-28	1.4	1
179	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
178	Recognition and detoxification of the insecticide DDT by Drosophila melanogaster glutathione S-transferase D1. <i>Journal of Molecular Biology</i> , 2010 , 399, 358-66	6.5	48
177	Phenylalanine-544 plays a key role in substrate and inhibitor binding by providing a hydrophobic packing point at the active site of insulin-regulated aminopeptidase. <i>Molecular Pharmacology</i> , 2010 , 78, 600-7	4.3	20
176	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
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17	Crystallization and preliminary X-ray diffraction studies of a glutathione S-transferase from the Australian sheep blowfly, <i>Lucilia cuprina</i> . <i>Journal of Molecular Biology</i> , 1994 , 236, 1407-9	6.5	13
16	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
15	Refined structure of the pore-forming domain of colicin A at 2.4 Å resolution. <i>Journal of Molecular Biology</i> , 1992 , 224, 639-57	6.5	211
14	Three-dimensional structure of class pi glutathione S-transferase from human placenta in complex with S-hexylglutathione at 2.8 Å resolution. <i>Journal of Molecular Biology</i> , 1992 , 227, 214-26	6.5	261
13	Membrane insertion of the pore-forming domain of colicin A. A spectroscopic study. <i>FEBS Journal</i> , 1991 , 196, 599-607		79
12	Crystallization and preliminary X-ray analysis of phosphoporin from the outer membrane of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1991 , 222, 881-4	6.5	7
11	A common channel-forming motif in evolutionarily distant porins. <i>Journal of Structural Biology</i> , 1991 , 107, 136-45	3.4	54
10	Crystallization of glutathione S-transferase from human placenta. <i>Journal of Molecular Biology</i> , 1990 , 213, 221-2	6.5	70

9	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
8	Insights into membrane insertion based on studies of colicins. <i>Trends in Biochemical Sciences</i> , 1990 , 15, 126-9	10.3	115
7	Crystallographic phases through genetic engineering: experiences with colicin A. <i>Protein Engineering, Design and Selection</i> , 1989 , 2, 399-405	1.9	15
6	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
5	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
4	Purification, crystallisation and preliminary X-ray diffraction characterisation of methanol dehydrogenase from <i>Methylosinus trichosporium</i> OB3b. <i>FEBS Journal</i> , 1987 , 164, 223-7		13
3	Histidine H-2 n.m.r. resonances of sperm whale oxy-, carbonyl-, and met-myoglobin. <i>Journal of the Chemical Society Chemical Communications</i> , 1981 , 208		3
2	Monoubiquitination by the Fanconi Anemia core complex locks FANCI:FANCD2 on DNA in filamentous arrays		2
1	SARS-CoV-2 Spike receptor-binding domain with a G485R mutation in complex with human ACE2		2