Michael W Parker

List of Publications by Year
in descending order

340 papers	19,609 citations	9756 73 h-index	16605 123 g-index
354 all docs	354 docs citations	354 times ranked	19900 citing authors

#	Article	IF	Citations
1	Structural biology of cell surface receptors implicated in Alzheimerâ€™s disease. Biophysical Reviews, 2022, 14, 233-255.	1.5	5
2	Mechanism of Bloom syndrome complex assembly required for double Holliday junction dissolution and genome stability. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
3	Structure-function analysis of the AMPK activator SC4 and identification of a potent pan AMPK activator. Biochemical Journal, 2022, 479, 1181-1204.	1.7	6
4	Reaction hijacking of tyrosine tRNA synthetase as a new whole-of-life-cycle antimalarial strategy. Science, 2022, 376, 1074-1079.	6.0	25
5	Cytokine Receptors and their Ligands. , 2022, , .		1
6	Inhibition of ATP-citrate lyase improves NASH, liver fibrosis, and dyslipidemia. Cell Metabolism, 2022, 34, 919-936.e8.	7.2	55
7	Cholesterolâ€dependent cytolysins: The outstanding questions. IUBMB Life, 2022, 74, 1169-1179.	1.5	8
8	Repurposing of drugs as STAT3 inhibitors for cancer therapy. Seminars in Cancer Biology, 2021, 68, 31-46.	4.3	52
9	A DARPin targeting activated Mac-1 is a novel diagnostic tool and potential anti-inflammatory agent in myocarditis, sepsis and myocardial infarction. Basic Research in Cardiology, 2021, 116, 17.	2.5	12
10	An ALYREF-MYCN coactivator complex drives neuroblastoma tumorigenesis through effects on USP3 and MYCN stability. Nature Communications, 2021, 12, 1881.	5.8	31
11	A novel combination therapy targeting ubiquitin-specific protease 5 in MYCN-driven neuroblastoma. Oncogene, 2021, 40, 2367-2381.	2.6	13
12	Role of nicotinic acetylcholine receptor subunits in the mode of action of neonicotinoid, sulfoximine and spinosyn insecticides in Drosophila melanogaster. Insect Biochemistry and Molecular Biology, 2021, 131, 103547.	1.2	43
13	Functional and structural analysis of cytokine-selective IL6ST defects that cause recessive hyper-IgE syndrome. Journal of Allergy and Clinical Immunology, 2021, 148, 585-598.	1.5	20
14	Design of proteasome inhibitors with oral efficacy in vivo against Plasmodium falciparum and selectivity over the human proteasome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
15	Drug repurposing: Misconceptions, challenges, and opportunities for academic researchers. Science Translational Medicine, 2021, 13, eabd5524.	5.8	62
16	Development of [18F]MIPS15692, a radiotracer with inÂvitro proof-of-concept for the imaging of MER tyrosine kinase (MERTK) in neuroinflammatory disease. European Journal of Medicinal Chemistry, 2021, 226, 113822.	2.6	5
17	X-ray crystallography shines a light on pore-forming toxins. Methods in Enzymology, 2021, 649, 1-46.	0.4	8
18	Structure of native HIV-1 cores and their interactions with IP6 and CypA. Science Advances, 2021, 7, eabj5715.	4.7	25

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19	Messing with Î²c: A unique receptor with many goals. Seminars in Immunology, 2021, 54, 101513.	2.7	2
20	A Key Motif in the Cholesterol-Dependent Cytolysins Reveals a Large Family of Related Proteins. MBio, 2020, 11, .	1.8	15
21	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK Î²1 isoforms. Nature Metabolism, 2020, 2, 873-881.	5.1	76
22	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. Journal of Biological Chemistry, 2020, 295, 16239-16250.	1.6	24
23	A structural view of PA2G4 isoforms with opposing functions in cancer. Journal of Biological Chemistry, 2020, 295, 16100-16112.	1.6	16
24	The structure of the extracellular domains of human interleukin 11Î± receptor reveals mechanisms of cytokine engagement. Journal of Biological Chemistry, 2020, 295, 8285-8301.	1.6	33
25	Sequence comparisons of cytochrome P450 aromatases from Australian animals predict differences in enzymatic activity and/or efficiencyâ€. Biology of Reproduction, 2020, 102, 1261-1269.	1.2	2
26	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. PLoS ONE, 2020, 15, e0229000.	1.1	12
27	Discovery of Acylsulfonohydrazide-Derived Inhibitors of the Lysine Acetyltransferase, KAT6A, as Potent Senescence-Inducing Anti-Cancer Agents. Journal of Medicinal Chemistry, 2020, 63, 4655-4684.	2.9	9
28	The Crystal Structure of the Manganese Superoxide Dismutase from Geobacillus stearothermophilus: Parker and Blake (1988) Revisited. Australian Journal of Chemistry, 2020, 73, 145.	0.5	1
29	Monoubiquitination by the human Fanconi anemia core complex clamps FANCI:FANCD2 on DNA in filamentous arrays. ELife, 2020, 9, .	2.8	52
30	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. , 2020, 15, e0229000.		0
31	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. , 2020, 15, e0229000.		0
32	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. , 2020, 15, e0229000.		0
33	Preparation and purification of mono-ubiquitinated proteins using Avi-tagged ubiquitin. , 2020, 15, e0229000.		0
34	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. Angewandte Chemie, 2019, 131, 16936-16940.	1.6	8
35	Small Molecule Binding to Alzheimer Risk Factor CD33 Promotes AÎ² Phagocytosis. IScience, 2019, 19, 110-118.	1.9	59
36	The structure of the PA28â€“20S proteasome complex from Plasmodium falciparum and implications for proteostasis. Nature Microbiology, 2019, 4, 1990-2000.	5.9	31

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37	Bridging Crystal Engineering and Drug Discovery by Utilizing Intermolecular Interactions and Molecular Shapes in Crystals. Angewandte Chemie - International Edition, 2019, 58, 16780-16784.	7.2	26
38	Discovery of Benzoylsulfonohydrazides as Potent Inhibitors of the Histone Acetyltransferase KAT6A. Journal of Medicinal Chemistry, 2019, 62, 7146-7159.	2.9	21
39	An Intermolecular Ï€-Stacking Interaction Drives Conformational Changes Necessary to Î²-Barrel Formation in a Pore-Forming Toxin. MBio, 2019, 10, .	1.8	10
40	Structure and Function of the Proteasome Activator PA28 of the Malaria Parasite Plasmodium falciparum. Microscopy and Microanalysis, 2019, 25, 1324-1325.	0.2	0
41	A Family of Dual-Activity Glycosyltransferase-Phosphorylases Mediates Mannogen Turnover and Virulence in Leishmania Parasites. Cell Host and Microbe, 2019, 26, 385-399.e9.	5.1	33
42	Cholesterol-Dependent Cytolysins: Membrane and Protein Structural Requirements for Pore Formation. Chemical Reviews, 2019, 119, 7721-7736.	23.0	35
43	A structure-based mechanism of cisplatin resistance mediated by glutathione transferase P1-1. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13943-13951.	3.3	76
44	The Structural Basis for a Transition State That Regulates Pore Formation in a Bacterial Toxin. MBio, 2019, 10, .	1.8	10
45	Repurposing the selective estrogen receptor modulator bazedoxifene to suppress gastrointestinal cancer growth. EMBO Molecular Medicine, 2019, 11, .	3.3	32
46	Drugging MYCN Oncogenic Signaling through the MYCN-PA2G4 Binding Interface. Cancer Research, 2019, 79, 5652-5667.	0.4	24
47	The genetics, structure and function of the M1 aminopeptidase oxytocinase subfamily and their therapeutic potential in immune-mediated disease. Human Immunology, 2019, 80, 281-289.	1.2	22
48	Reaction mechanism of the bioluminescent protein mnemiopsin1 revealed by X-ray crystallography and QM/MM simulations. Journal of Biological Chemistry, 2019, 294, 20-27.	1.6	9
49	Fluorescence Microscopy Assay to Measure HIV-1 Capsid Uncoating Kinetics in vitro. Bio-protocol, 2019, 9, e3297.	0.2	10
50	The structure of the Plasmodium falciparum 20S proteasome in complex with the PA28 activator. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, a118-a118.	0.0	0
51	Abstract 4962: Repurposingbazedoxifeneto suppress gastrointestinal cancer growth. , 2019, , .		0
52	Structural Determinants for Small-Molecule Activation of Skeletal Muscle AMPK Î±2Î²2Î³1 by the Glucose Importagog SC4. Cell Chemical Biology, 2018, 25, 728-737.e9.	2.5	40
53	A dual role for the N-terminal domain of the IL-3 receptor in cell signalling. Nature Communications, 2018, 9, 386.	5.8	28
54	Role of the Î² Common (Î²c) Family of Cytokines in Health and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a028514.	2.3	28

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55	Targeting of Câ€type lectinâ€like receptorÂ2 or P2Y12 for the prevention of platelet activation by immunotherapeutic CpG oligodeoxynucleotides: comment. Journal of Thrombosis and Haemostasis, 2018, 16, 181-185.	1.9	2
56	AMP and adenosine are both ligands for adenosine 2B receptor signaling. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 202-206.	1.0	9
57	Accumulation of JAK activation loop phosphorylation is linked to type I JAK inhibitor withdrawal syndrome in myelofibrosis. Science Advances, 2018, 4, eaat3834.	4.7	39
58	Protein structure and computational drug discovery. Biochemical Society Transactions, 2018, 46, 1367-1379.	1.6	24
59	Substrate Locking Promotes Dimer-Dimer Docking of an Enzyme Antibiotic Target. Structure, 2018, 26, 948-959.e5.	1.6	5
60	The mechanism of GM-CSF inhibition by human GM-CSF auto-antibodies suggests novel therapeutic opportunities. MAbs, 2018, 10, 1-12.	2.6	5
61	Inhibitors of histone acetyltransferases KAT6A/B induce senescence and arrest tumour growth. Nature, 2018, 560, 253-257.	13.7	182
62	Kinetics of HIV-1 capsid uncoating revealed by single-molecule analysis. ELife, 2018, 7, .	2.8	91
63	EPO does not promote interaction between the erythropoietin and beta-common receptors. Scientific Reports, 2018, 8, 12457.	1.6	21
64	Cholesterol-dependent cytolysins: from water-soluble state to membrane pore. Biophysical Reviews, 2018, 10, 1337-1348.	1.5	32
65	Cyclic Hexapeptide Mimics of the LEDGF Integrase Recognition Loop in Complex with HIVâ€1 Integrase. ChemMedChem, 2018, 13, 1555-1565.	1.6	5
66	Accumulation of JAK Activation-Loop Phosphorylation Promotes Type I JAK Inhibitor Withdrawal Syndrome in Myelofibrosis. Blood, 2018, 132, 1787-1787.	0.6	0
67	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. Nature Communications, 2017, 8, 14188.	5.8	158
68	Glutathione transferase P1â€1 as an arsenic drugâ€sequestering enzyme. Protein Science, 2017, 26, 317-326.	3.1	20
69	Ex vivo 18O-labeling mass spectrometry identifies a peripheral amyloid Î² clearance pathway. Molecular Neurodegeneration, 2017, 12, 18.	4.4	17
70	Nitric Oxide Interacting with Glutathione Transferases. , 2017, , 191-195.		0
71	Control of Virulence Gene Expression by the Master Regulator, CfaD, in the Prototypical Enterotoxigenic Escherichia coli Strain, H10407. Frontiers in Microbiology, 2017, 8, 1525.	1.5	7
72	Promiscuous DNA-binding of a mutant zinc finger protein corrupts the transcriptome and diminishes cell viability. Nucleic Acids Research, 2017, 45, 1130-1143.	6.5	33

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73	QM/MM simulations provide insight into the mechanism of bioluminescence triggering in ctenophore photoproteins. PLoS ONE, 2017, 12, e0182317.	1.1	7
74	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. Current Protein and Peptide Science, 2017, 18, 515-521.	0.7	6
75	The GM-CSF receptor â€“ mechanisms for affinity conversion and signalling. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1279-C1279.	0.0	0
76	Conformational Changes in the GM-CSF Receptor Suggest a Molecular Mechanism for Affinity Conversion and Receptor Signaling. Structure, 2016, 24, 1271-1281.	1.6	46
77	The C-terminal extension of human telomerase reverse transcriptase is necessary for high affinity binding to telomeric DNA. Biochimie, 2016, 128-129, 114-121.	1.3	9
78	Structural Basis for Receptor Recognition by the Human CD59-Responsive Cholesterol-Dependent Cytolysins. Structure, 2016, 24, 1488-1498.	1.6	34
79	Structural Determinants Defining the Allosteric Inhibition of an Essential Antibiotic Target. Structure, 2016, 24, 1282-1291.	1.6	34
80	Structural basis of allosteric and synergistic activation of AMPK by furan-2-phosphonic derivative C2 binding. Nature Communications, 2016, 7, 10912.	5.8	69
81	Mechanism of JAK2 Activation by the Archetype Class I Cytokine Receptor, the Growth Hormone Receptor. Biophysical Journal, 2016, 110, 31a.	0.2	0
82	The Binding of Syndapin SH3 Domain to Dynamin Proline-rich Domain Involves Short and Long Distance Elements. Journal of Biological Chemistry, 2016, 291, 9411-9424.	1.6	20
83	CSL311, a novel, potent, therapeutic monoclonal antibody for the treatment of diseases mediated by the common Î² chain of the IL-3, GM-CSF and IL-5 receptors. MAbs, 2016, 8, 436-453.	2.6	38
84	Propargyloxyproline Regio- and Stereoisomers for Click-Conjugation of Peptides: Synthesis and Application in Linear and Cyclic Peptides. Australian Journal of Chemistry, 2015, 68, 1365.	0.5	11
85	Structure of the lysine specific protease <scp>K</scp>gp from <scp>P</scp>orphyromonas gingivalis, a target for improved oral health. Protein Science, 2015, 24, 162-166.	3.1	18
86	Crystal structure of Streptococcus pneumoniae pneumolysin provides key insights into early steps of pore formation. Scientific Reports, 2015, 5, 14352.	1.6	62
87	Two-step mechanism involving active-site conformational changes regulates human telomerase DNA binding. Biochemical Journal, 2015, 465, 347-357.	1.7	18
88	Phosphorothioate backbone modifications of nucleotide-based drugs are potent platelet activators. Journal of Experimental Medicine, 2015, 212, 129-137.	4.2	87
89	An intermolecular electrostatic interaction controls the prepore-to-pore transition in a cholesterol-dependent cytolysin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2204-2209.	3.3	44
90	Determinants of oligosaccharide specificity of the carbohydrate-binding modules of AMP-activated protein kinase. Biochemical Journal, 2015, 468, 245-257.	1.7	26

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91	Molecular basis for mid-region amyloid-Î² capture by leading Alzheimer's disease immunotherapies. Scientific Reports, 2015, 5, 9649.	1.6	73
92	A RIPK2 inhibitor delays NOD signalling events yet prevents inflammatory cytokine production. Nature Communications, 2015, 6, 6442.	5.8	112
93	The Î²c receptor family â€“ Structural insights and their functional implications. Cytokine, 2015, 74, 247-258.	1.4	65
94	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. Acta Neuropathologica, 2015, 130, 713-729.	3.9	53
95	Discovery and SAR of novel pyrazolo[1,5-a]pyrimidines as inhibitors of CDK9. Bioorganic and Medicinal Chemistry, 2015, 23, 6280-6296.	1.4	34
96	Evolutionary comparisons predict that dimerization of human cytochrome P450 aromatase increases its enzymatic activity and efficiency. Journal of Steroid Biochemistry and Molecular Biology, 2015, 154, 294-301.	1.2	9
97	Crystal structure of human insulinâ€regulated aminopeptidase with specificity for cyclic peptides. Protein Science, 2015, 24, 190-199.	3.1	51
98	Abstract 5371: PRMT5 inhibitors as novel treatment for cancers. Cancer Research, 2015, 75, 5371-5371.	0.4	4
99	Mechanistic Scrutiny Identifies a Kinetic Role for Cytochrome b5 Regulation of Human Cytochrome P450c17 (CYP17A1, P450 17A1). PLoS ONE, 2015, 10, e0141252.	1.1	28
100	Activity-Modulating Monoclonal Antibodies to the Human Serine Protease HtrA3 Provide Novel Insights into Regulating HtrA Proteolytic Activities. PLoS ONE, 2014, 9, e108235.	1.1	13
101	Computational Analysis of Amiloride Analogue Inhibitors of Coxsackie Virus B3 RNA Polymerase. Journal of Proteomics and Bioinformatics, 2014, s9, 004.	0.4	2
102	Crystallization and preliminary X-ray diffraction analysis of the Fab portion of the Alzheimer's disease immunotherapy candidate bapineuzumab complexed with amyloid-Î². Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 374-377.	0.4	10
103	Unexpected mechanisms of action for a cytokine receptor-blocking antibody. Molecular and Cellular Oncology, 2014, 1, e969129.	0.3	1
104	Discovery of Phosphodiesterase-4 Inhibitors: Serendipity and Rational Drug Design. Australian Journal of Chemistry, 2014, 67, 1780.	0.5	2
105	Anti-AÎ² antibody target engagement: a response to Siemers et al.. Acta Neuropathologica, 2014, 128, 611-614.	3.9	4
106	Crystallization and preliminary X-ray diffraction analysis of the interleukin-3 alpha receptor bound to the Fab fragment of antibody CSL362. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 358-361.	0.4	8
107	Synthesis, Structureâ€“Activity Relationships and Brain Uptake of a Novel Series of Benzopyran Inhibitors of Insulin-Regulated Aminopeptidase. Journal of Medicinal Chemistry, 2014, 57, 1368-1377.	2.9	46
108	Oncogenic protein interfaces: small molecules, big challenges. Nature Reviews Cancer, 2014, 14, 248-262.	12.8	246

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109	Tetraspanins as regulators of the tumour microenvironment: implications for metastasis and therapeutic strategies. British Journal of Pharmacology, 2014, 171, 5462-5490.	2.7	81
110	A Systematic and Functional Classification of Streptococcus pyogenes That Serves as a New Tool for Molecular Typing and Vaccine Development. Journal of Infectious Diseases, 2014, 210, 1325-1338.	1.9	257
111	Mechanism of Activation of Protein Kinase JAK2 by the Growth Hormone Receptor. Science, 2014, 344, 1249783.	6.0	340
112	78. Cytokine, 2014, 70, 46.	1.4	0
113	Dual Mechanism of Interleukin-3 Receptor Blockade by an Anti-Cancer Antibody. Cell Reports, 2014, 8, 410-419.	2.9	46
114	Do current therapeutic anti-AÎ² antibodies for Alzheimerâ€™s disease engage the target?. Acta Neuropathologica, 2014, 127, 803-810.	3.9	52
115	The role of Rdl in resistance to phenylpyrazoles in Drosophila melanogaster. Insect Biochemistry and Molecular Biology, 2014, 54, 11-21.	1.2	30
116	Structural Studies of Streptococcus pyogenes Streptolysin O Provide Insights into the Early Steps of Membrane Penetration. Journal of Molecular Biology, 2014, 426, 785-792.	2.0	61
117	Potent hepatitis C inhibitors bind directly to NS5A and reduce its affinity for RNA. Scientific Reports, 2014, 4, 4765.	1.6	101
118	LymphotoxinÂÎ± induces apoptosis, necroptosis and inflammatory signals with the same potency as tumour necrosis factor. FEBS Journal, 2013, 280, 5283-5297.	2.2	57
119	The Impact of Nitric Oxide Toxicity on the Evolution of the Glutathione Transferase Superfamily. Journal of Biological Chemistry, 2013, 288, 24936-24947.	1.6	31
120	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. Blood, 2013, 122, 738-748.	0.6	53
121	Synthetic dityrosine-linked Î²-amyloid dimers form stable, soluble, neurotoxic oligomers. Chemical Science, 2013, 4, 4449.	3.7	44
122	Molecular determinants of common gating of a ClC chloride channel. Nature Communications, 2013, 4, 2507.	5.8	34
123	Parallel Screening of Low Molecular Weight Fragment Libraries: Do Differences in Methodology Affect Hit Identification?. Journal of Biomolecular Screening, 2013, 18, 147-159.	2.6	61
124	Signalling by the Î²c family of cytokines. Cytokine and Growth Factor Reviews, 2013, 24, 189-201.	3.2	80
125	Molecular and structural insight into lysine selection on substrate and ubiquitin lysine 48 by the ubiquitin-conjugating enzyme Cdc34. Cell Cycle, 2013, 12, 1732-1744.	1.3	19
126	Bapineuzumab captures the N-terminus of the Alzheimer's disease amyloid-beta peptide in a helical conformation. Scientific Reports, 2013, 3, 1302.	1.6	89

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127	Disarming Bacterial Virulence through Chemical Inhibition of the DNA Binding Domain of an AraC-like Transcriptional Activator Protein. Journal of Biological Chemistry, 2013, 288, 31115-31126.	1.6	23
128	Phosphorylation of Serine 779 in Fibroblast Growth Factor Receptor 1 and 2 by Protein Kinase CÏµ Regulates Ras/Mitogen-activated Protein Kinase Signaling and Neuronal Differentiation. Journal of Biological Chemistry, 2013, 288, 14874-14885.	1.6	13
129	Characterization of pathogenic human monoclonal autoantibodies against GM-CSF. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7832-7837.	3.3	39
130	Small Molecule Proprotein Convertase Inhibitors for Inhibition of Embryo Implantation. PLoS ONE, 2013, 8, e81380.	1.1	3
131	From Knock-Out Phenotype to Three-Dimensional Structure of a Promising Antibiotic Target from Streptococcus pneumoniae. PLoS ONE, 2013, 8, e83419.	1.1	22
132	Abstract A19: The selective targeting of cell survival pathways in leukemia. , 2013, , .		0
133	Manipulating the Lewis antigen specificity of the cholesterol-dependent cytolysin lectinolysin. Frontiers in Immunology, 2012, 3, 330.	2.2	8
134	Intracellular Î²-Nicotinamide Adenine Dinucleotide Inhibits the Skeletal Muscle ClC-1 Chloride Channel. Journal of Biological Chemistry, 2012, 287, 25808-25820.	1.6	22
135	The GM-CSF receptor family: Mechanism of activation and implications for disease. Growth Factors, 2012, 30, 63-75.	0.5	64
136	Monomer-Monomer Interactions Propagate Structural Transitions Necessary for Pore Formation by the Cholesterol-dependent Cytolysins. Journal of Biological Chemistry, 2012, 287, 24534-24543.	1.6	50
137	An Orally Available 3-Ethoxybenzisoxazole Capsid Binder with Clinical Activity against Human Rhinovirus. ACS Medicinal Chemistry Letters, 2012, 3, 303-307.	1.3	38
138	The <scp>GM</scp>â€“<scp>CSF</scp>/<scp>ILâ€3</scp>/<scp>ILâ€5</scp> cytokine receptor family: from ligand recognition to initiation of signaling. Immunological Reviews, 2012, 250, 277-302.	2.8	192
139	PEGylation of a proprotein convertase peptide inhibitor for vaginal route of drug delivery: In vitro bioactivity, stability and in vivo pharmacokinetics. Peptides, 2012, 38, 266-274.	1.2	5
140	Structural approaches to probing metal interaction with proteins. Journal of Inorganic Biochemistry, 2012, 115, 138-147.	1.5	14
141	Phosphorylation of syndapin I F-BAR domain at two helix-capping motifs regulates membrane tubulation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3760-3765.	3.3	28
142	Cytokine receptor activation at the cell surface. Current Opinion in Structural Biology, 2012, 22, 350-359.	2.6	38
143	Structure of the Lectin Regulatory Domain of the Cholesterol-Dependent Cytolysin Lectinolysin Reveals the Basis for Its Lewis Antigen Specificity. Structure, 2012, 20, 248-258.	1.6	49
144	Crystallization and preliminary X-ray diffraction analysis of human endoplasmic reticulum aminopeptidase 2. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 468-471.	0.7	6

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145	Selective Inhibitors of Arginine Methyl Transferase 5 (PRMT5) As a Novel Treatment for Î²-Thalassemia and Sickle Cell Disease.. Blood, 2012, 120, 2129-2129.	0.6	1
146	TRIM16 Acts as an E3 Ubiquitin Ligase and Can Heterodimerize with Other TRIM Family Members. PLoS ONE, 2012, 7, e37470.	1.1	90
147	Abstract 469: CD151 and cell motility in prostate cancer. , 2012, , .		0
148	Regulation of Insulin-Regulated Membrane Aminopeptidase Activity by Its C-Terminal Domain. Biochemistry, 2011, 50, 2611-2622.	1.2	30
149	Identification and development of specific inhibitors for insulin-regulated aminopeptidase as a new class of cognitive enhancers. British Journal of Pharmacology, 2011, 164, 37-47.	2.7	72
150	The extended catalysis of glutathione transferase. FEBS Letters, 2011, 585, 341-345.	1.3	9
151	Thiophene inhibitors of PDE4: Crystal structures show a second binding mode at the catalytic domain of PDE4D2. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7089-7093.	1.0	18
152	Preparation, crystallization and preliminary X-ray diffraction analysis of two intestinal fatty-acid binding proteins in the presence of 11-(dansylamino)undecanoic acid. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 291-295.	0.7	4
153	Purification, crystallization, small-angle X-ray scattering and preliminary X-ray diffraction analysis of the SH2 domain of the Csk-homologous kinase. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 336-339.	0.7	17
154	Crystal structure of the Leishmania major MIX protein: A scaffold protein that mediates proteinâ€“protein interactions. Protein Science, 2011, 20, 1060-1068.	3.1	4
155	Diuretic drug binding to human glutathione transferase P1â€1: potential role of Cysâ€101 revealed in the double mutant C47S/Y108V. Journal of Molecular Recognition, 2011, 24, 220-234.	1.1	13
156	Fragmentâ€Based Design of Ligands Targeting a Novel Site on the Integrase Enzyme of Human Immunodeficiency Virusâ€...1. ChemMedChem, 2011, 6, 258-261.	1.6	24
157	Studies of Glutathione Transferase P1â€1 Bound to a Platinum(IV)â€Based Anticancer Compound Reveal the Molecular Basis of Its Activation. Chemistry - A European Journal, 2011, 17, 7806-7816.	1.7	73
158	Amiloride Is a Competitive Inhibitor of Coxsackievirus B3 RNA Polymerase. Journal of Virology, 2011, 85, 10364-10374.	1.5	19
159	Mapping the Intermedilysin-Human CD59 Receptor Interface Reveals a Deep Correspondence with the Binding Site on CD59 for Complement Binding Proteins C8Î± and C9. Journal of Biological Chemistry, 2011, 286, 20952-20962.	1.6	56
160	Direct involvement of the TEN domain at the active site of human telomerase. Nucleic Acids Research, 2011, 39, 1774-1788.	6.5	47
161	An Activation-Specific Platelet Inhibitor That Can Be Turned On/Off by Medically Used Hypothermia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2015-2023.	1.1	13
162	An Escherichia coli Cell-Free System for Recombinant Protein Synthesis on a Milligram Scale. Methods in Molecular Biology, 2011, 752, 17-28.	0.4	1

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163	Crystal structure of the HIVâ€1 integrase core domain in complex with sucrose reveals details of an allosteric inhibitory binding site. FEBS Letters, 2010, 584, 1455-1462.	1.3	38
164	Molecular basis of cytokine receptor activation. IUBMB Life, 2010, 62, 509-518.	1.5	70
165	Crystallization of dihydrodipicolinate synthase from a clinical isolate ofStreptococcus pneumoniae. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 32-36.	0.7	12
166	Cloning, expression and crystallization of dihydrodipicolinate reductase from methicillin-resistantStaphylococcus aureus. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 57-60.	0.7	11
167	Cloning, expression, purification and crystallization of dihydrodipicolinate synthase from the psychrophileShewanella benthica. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1511-1516.	0.7	10
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