## Holger Gohlke

## 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.

228 17,969 45 132 h-index g-index citations papers 6.8 263 20,978 5.9 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
228	A phospholipase B from Pseudomonas aeruginosa with activity towards endogenous phospholipids affects biofilm assembly <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2022</b> , 1867, 159101	5	1
227	Critical assessment of structure-based approaches to improve protein resistance in aqueous ionic liquids by enzyme-wide saturation mutagenesis <i>Computational and Structural Biotechnology Journal</i> , <b>2022</b> , 20, 399-409	6.8	2
226	Mapping the helix arrangement of the reconstituted ETR1 ethylene receptor transmembrane domain by EPR spectroscopy <i>RSC Advances</i> , <b>2022</b> , 12, 7352-7356	3.7	O
225	Molecular Modeling and Simulations of DNA and RNA: DNAzyme as a Model System <i>Methods in Molecular Biology</i> , <b>2022</b> , 2439, 153-170	1.4	0
224	Structural, mechanistic and physiological insights into phospholipase A-mediated membrane phospholipid degradation in <i>ELife</i> , <b>2022</b> , 11,	8.9	1
223	Functional and structural characterization of interactions between opposite subunits in HCN pacemaker channels <i>Communications Biology</i> , <b>2022</b> , 5, 430	6.7	
222	Time-resolved structural analysis of an RNA-cleaving DNA catalyst <i>Nature</i> , <b>2021</b> ,	50.4	7
221	Targeting spectrin redox switches to regulate the mechanoproperties of red blood cells. <i>Biological Chemistry</i> , <b>2021</b> , 402, 317-331	4.5	2
220	Substrate Access Mechanism in a Novel Membrane-Bound Phospholipase A of Concordant with Specificity and Regioselectivity. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 5626-5643	6.1	O
219	TopProperty: Robust Metaprediction of Transmembrane and Globular Protein Features Using Deep Neural Networks. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 7281-7289	6.4	0
218	Foamy Viruses, Bet, and APOBEC3 Restriction. <i>Viruses</i> , <b>2021</b> , 13,	6.2	1
217	Allosteric signaling in C-linker and cyclic nucleotide-binding domain of HCN2 channels. <i>Biophysical Journal</i> , <b>2021</b> , 120, 950-963	2.9	1
216	Reactive Metabolites from Thiazole-Containing Drugs: Quantum Chemical Insights into Biotransformation and Toxicity. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1503-1517	4	2
215	Liver cell hydration and integrin signaling. <i>Biological Chemistry</i> , <b>2021</b> , 402, 1033-1045	4.5	0
214	The many facets of bile acids in the physiology and pathophysiology of the human liver. <i>Biological Chemistry</i> , <b>2021</b> , 402, 1047-1062	4.5	2
213	Glutamine synthetase as a central element in hepatic glutamine and ammonia metabolism: novel aspects. <i>Biological Chemistry</i> , <b>2021</b> , 402, 1063-1072	4.5	5
212	Promiscuous Esterases Counterintuitively Are Less Flexible than Specific Ones. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 2383-2395	6.1	2

211	TopDomain: Exhaustive Protein Domain Boundary Metaprediction Combining Multisource Information and Deep Learning. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 4599-4613	6.4	1	
210	Evidence for a credit-card-swipe mechanism in the human PC floppase ABCB4. Structure, <b>2021</b> , 29, 114	14- <del>1</del> .155	.еБ	
209	A promiscuous ancestral enzyme(s structure unveils protein variable regions of the highly diverse metallo-flactamase family. <i>Communications Biology</i> , <b>2021</b> , 4, 132	6.7	4	
208	TopSuite Web Server: A Meta-Suite for Deep-Learning-Based Protein Structure and Quality Prediction. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 548-553	6.1	5	
207	40 Years of Research on Polybrominated Diphenyl Ethers (PBDEs)-A Historical Overview and Newest Data of a Promising Anticancer Drug. <i>Molecules</i> , <b>2021</b> , 26,	4.8	6	
206	Thermodynamic profile of mutual subunit control in a heteromeric receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1	
205	Development of a Biosensor Platform for Phenolic Compounds Using a Transition Ligand Strategy. <i>ACS Synthetic Biology</i> , <b>2021</b> , 10, 2002-2014	5.7	2	
204	F/G Region Rigidity is Inversely Correlated to Substrate Promiscuity of Human CYP Isoforms Involved in Metabolism. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 4023-4030	6.1	0	
203	Structure and efflux mechanism of the yeast pleiotropic drug resistance transporter Pdr5. <i>Nature Communications</i> , <b>2021</b> , 12, 5254	17.4	8	
202	Interdependence of a mechanosensitive anion channel and glutamate receptors in distal wound signaling. <i>Science Advances</i> , <b>2021</b> , 7, eabg4298	14.3	11	
201	Can constraint network analysis guide the identification phase of KnowVolution? A case study on improved thermostability of an endo-Eglucanase. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 743-751	6.8	3	
200	Aqueous ionic liquids redistribute local enzyme stability via long-range perturbation pathways. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 4248-4264	6.8	6	
199	Discovery of new acetylcholinesterase inhibitors for Alzheimer's disease: virtual screening and characterisation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 491-496	5.6	5	
198	Cumulative Submillisecond All-Atom Simulations of the Temperature-Induced Coil-to-Globule Transition of Poly(N-vinylcaprolactam) in Aqueous Solution. <i>Macromolecules</i> , <b>2020</b> , 53, 9793-9810	5.5	2	
197	Fluorophore-Labeled Cyclic Nucleotides as Potent Agonists of Cyclic Nucleotide-Regulated Ion Channels. <i>ChemBioChem</i> , <b>2020</b> , 21, 2311-2320	3.8	2	
196	Binding modes of thioflavin T and Congo red to the fibril structure of amyloid-[11-42). <i>Chemical Communications</i> , <b>2020</b> , 56, 7589-7592	5.8	10	
195	Mechanism of Fully Reversible, pH-Sensitive Inhibition of Human Glutamine Synthetase by Tyrosine Nitration. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 4694-4705	6.4	4	
194	Resolving dynamics and function of transient states in single enzyme molecules. <i>Nature Communications</i> , <b>2020</b> , 11, 1231	17.4	31	

193	AMBER-DYES in AMBER: Implementation of fluorophore and linker parameters into AmberTools. Journal of Chemical Physics, <b>2020</b> , 152, 221103	3.9	7
192	Structural and dynamic insights revealing how lipase binding domain MD1 of Pseudomonas aeruginosa foldase affects lipase activation. <i>Scientific Reports</i> , <b>2020</b> , 10, 3578	4.9	6
191	A Novel Polyester Hydrolase From the Marine Bacterium Structural and Functional Insights. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 114	5.7	62
190	TopModel: Template-Based Protein Structure Prediction at Low Sequence Identity Using Top-Down Consensus and Deep Neural Networks. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 1953-196	5 <sup>6.4</sup>	14
189	TGR5 (GPBAR1) in the Liver <b>2020</b> , 286-298		
188	Quantitative assessment of the determinant structural differences between redox-active and inactive glutaredoxins. <i>Nature Communications</i> , <b>2020</b> , 11, 1725	17.4	20
187	Bile Acids and TGR5 (Gpbar1) Signaling <b>2020</b> , 81-100		2
186	The Membrane-Integrated Steric Chaperone Lif Facilitates Active Site Opening of Pseudomonas aeruginosa Lipase A. <i>Journal of Computational Chemistry</i> , <b>2020</b> , 41, 500-512	3.5	3
185	Systematically Scrutinizing the Impact of Substitution Sites on Thermostability and Detergent Tolerance for Lipase A. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 1568-1584	6.1	9
184	Dimerization energetics of the G-protein coupled bile acid receptor TGR5 from all-atom simulations. <i>Journal of Computational Chemistry</i> , <b>2020</b> , 41, 874-884	3.5	3
183	Loop 1 of APOBEC3C Regulates its Antiviral Activity against HIV-1. <i>Journal of Molecular Biology</i> , <b>2020</b> , 432, 6200-6227	6.5	7
182	Semisynthetic Analogs of the Antibiotic Fidaxomicin-Design, Synthesis, and Biological Evaluation. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 2414-2420	4.3	5
181	Automated and optimally FRET-assisted structural modeling. <i>Nature Communications</i> , <b>2020</b> , 11, 5394	17.4	12
180	Characterization of the nucleotide-binding domain NsrF from the BceAB-type ABC-transporter NsrFP from the human pathogen Streptococcus agalactiae. <i>Scientific Reports</i> , <b>2020</b> , 10, 15208	4.9	4
179	Cell Type-Dependent Escape of Capsid Inhibitors by Simian Immunodeficiency Virus SIVcpz. <i>Journal of Virology</i> , <b>2020</b> , 94,	6.6	2
178	The Puzzle of Metabolite Exchange and Identification of Putative Octotrico Peptide Repeat Expression Regulators in the Nascent Photosynthetic Organelles of. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 607182	5.7	7
177	Evidence for functional selectivity in TUDC- and norUDCA-induced signal transduction via lintegrin towards choleresis. <i>Scientific Reports</i> , <b>2020</b> , 10, 5795	4.9	4
176	C-terminal modulators of heat shock protein of 90 kDa (HSP90): State of development and modes of action. <i>Biographic and Medicinal Chemistry.</i> <b>2019</b> , 27, 115080	3.4	21

## (2019-2019)

175	Small-molecule inhibitors of nisin resistance protein NSR from the human pathogen Streptococcus agalactiae. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 115079	3.4	4
174	Design, synthesis and biological evaluation of Epeptoid-capped HDAC inhibitors with anti-neuroblastoma and anti-glioblastoma activity. <i>MedChemComm</i> , <b>2019</b> , 10, 1109-1115	5	5
173	Co-culture of the fungus with induces production of cryptic naphthoquinone dimers <i>RSC Advances</i> , <b>2019</b> , 9, 1491-1500	3.7	27
172	Novel Fluorescent Cyclic Nucleotide Derivatives to Study CNG and HCN Channel Function. <i>Biophysical Journal</i> , <b>2019</b> , 116, 2411-2422	2.9	5
171	PACKMOL-Memgen: A Simple-To-Use, Generalized Workflow for Membrane-Protein-Lipid-Bilayer System Building. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 2522-2528	6.1	46
170	Novel 3,4-Dihydroisocoumarins Inhibit Human P-gp and BCRP in Multidrug Resistant Tumors and Demonstrate Substrate Inhibition of Yeast Pdr5. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 400	5.6	10
169	Cosolvent-Enhanced Sampling and Unbiased Identification of Cryptic Pockets Suitable for Structure-Based Drug Design. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 3331-3343	6.4	14
168	Calcium-Promoted Interaction between the C2-Domain Protein EHB1 and Metal Transporter IRT1 Inhibits Arabidopsis Iron Acquisition. <i>Plant Physiology</i> , <b>2019</b> , 180, 1564-1581	6.6	18
167	Phosphorylated tyrosine 93 of hepatitis C virus nonstructural protein 5A is essential for interaction with host c-Src and efficient viral replication. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 7388-7402	5.4	4
166	JAK2 p.G571S in B-cell precursor acute lymphoblastic leukemia: a synergizing germline susceptibility. <i>Leukemia</i> , <b>2019</b> , 33, 2331-2335	10.7	6
165	The tetrahydroxanthone-dimer phomoxanthone A is a strong inducer of apoptosis in cisplatin-resistant solid cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 115044	3.4	7
164	Fluorescent analogs of peptoid-based HDAC inhibitors: Synthesis, biological activity and cellular uptake kinetics. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 115039	3.4	9
163	Biallelic mutation of human encoding the taurine transporter TAUT is linked to early retinal degeneration. <i>FASEB Journal</i> , <b>2019</b> , 33, 11507-11527	0.9	17
162	Isoform-specific Inhibition of N-methyl-D-aspartate Receptors by Bile Salts. <i>Scientific Reports</i> , <b>2019</b> , 9, 10068	4.9	5
161	Xanthone, benzophenone and bianthrone derivatives from the hypersaline lake-derived fungus Aspergillus wentii. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 115005	3.4	3
160	Posttranslational Modification of the NADP-Malic Enzyme Involved in C Photosynthesis Modulates the Enzymatic Activity during the Day. <i>Plant Cell</i> , <b>2019</b> , 31, 2525-2539	11.6	7
159	Structural Model of the ETR1 Ethylene Receptor Transmembrane Sensor Domain. <i>Scientific Reports</i> , <b>2019</b> , 9, 8869	4.9	12
158	Surprising Non-Additivity of Methyl Groups in Drug-Kinase Interaction. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 2585-2594	4.9	8

157	Basal Histamine H Receptor Activation: Agonist Mimicry by the Diphenylalanine Motif. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14613-14624	4.8	7	
156	Partially inserted nascent chain unzips the lateral gate of the Sec translocon. <i>EMBO Reports</i> , <b>2019</b> , 20, e48191	6.5	22	
155	Pseudomonas aeruginosa esterase PA2949, a bacterial homolog of the human membrane esterase ABHD6: expression, purification and crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2019</b> , 75, 270-277	1.1	5	
154	-modified cAMP derivatives that activate protein kinase A also act as full agonists of murine HCN2 channels. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 17978-17987	5.4		
153	Synthesis of Peptoid-Based Class I-Selective Histone Deacetylase Inhibitors with Chemosensitizing Properties. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 11260-11279	8.3	16	
152	Nutrient exchange in arbuscular mycorrhizal symbiosis from a thermodynamic point of view. <i>New Phytologist</i> , <b>2019</b> , 222, 1043-1053	9.8	12	
151	FK506 Resistance of Pdr5 and Cdr1 Involves Mutations in the Transmembrane Domains and Extracellular Loops. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	13	
150	Converging a Knowledge-Based Scoring Function: DrugScore. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 509-521	6.1	28	
149	The human platelet antigen-1b (Pro) variant of Hallosterically shifts the dynamic conformational equilibrium of this integrin toward the active state. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 4830-484	14 <sup>5.4</sup>	3	
148	Recognition motif and mechanism of ripening inhibitory peptides in plant hormone receptor ETR1. <i>Scientific Reports</i> , <b>2018</b> , 8, 3890	4.9	17	
147	Identification of a Conserved Interface of Human Immunodeficiency Virus Type 1 and Feline Immunodeficiency Virus Vifs with Cullin 5. <i>Journal of Virology</i> , <b>2018</b> , 92,	6.6	7	
146	Effects of novel HDAC inhibitors on urothelial carcinoma cells. Clinical Epigenetics, 2018, 10, 100	7.7	38	
145	On the Effects of Reactive Oxygen Species and Nitric Oxide on Red Blood Cell Deformability. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 332	4.6	54	
144	Targeting HSP90 dimerization via the C terminus is effective in imatinib-resistant CML and lacks the heat shock response. <i>Blood</i> , <b>2018</b> , 132, 307-320	2.2	37	
143	On the contributing role of the transmembrane domain for subunit-specific sensitivity of integrin activation. <i>Scientific Reports</i> , <b>2018</b> , 8, 5733	4.9	12	
142	Novel Recurrent Germline JAK2 G571S Variant in Childhood Acute B-Lymphoblastic Leukemia: A Double Hit One Pathway Scenario. <i>Blood</i> , <b>2018</b> , 132, 387-387	2.2	3	
141	Therapeutic Targeting of HSP90 in AML and ALL. <i>Blood</i> , <b>2018</b> , 132, 4680-4680	2.2		
140	Systematic analysis of ATG13 domain requirements for autophagy induction. <i>Autophagy</i> , <b>2018</b> , 14, 743-	7 <b>63</b> .2	28	

139	Chlorflavonin Targets Acetohydroxyacid Synthase Catalytic Subunit IlvB1 for Synergistic Killing of Mycobacterium tuberculosis. <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 123-134	5.5	13
138	Hydrophobic alkyl chains substituted to the 8-position of cyclic nucleotides enhance activation of CNG and HCN channels by an intricate enthalpy - entropy compensation. <i>Scientific Reports</i> , <b>2018</b> , 8, 149	6 <del>0</del> .9	6
137	TopScore: Using Deep Neural Networks and Large Diverse Data Sets for Accurate Protein Model Quality Assessment. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 6117-6126	6.4	18
136	Interaction of Ochratoxin A and Its Thermal Degradation Product 2SOchratoxin A with Human Serum Albumin. <i>Toxins</i> , <b>2018</b> , 10,	4.9	17
135	Relevance of N-terminal residues for amyloid-Ibinding to platelet integrin Hintegrin outside-in signaling and amyloid-Ifibril formation. <i>Cellular Signalling</i> , <b>2018</b> , 50, 121-130	4.9	10
134	Efficient Approximation of Ligand Rotational and Translational Entropy Changes upon Binding for Use in MM-PBSA Calculations. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 170-189	6.1	31
133	Aminoxy Peptoids: A Unique Peptoid Backbone with a Preference for cis-Amide Bonds. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3699-3707	4.8	4
132	Suppression of RUNX1/ETO oncogenic activity by a small molecule inhibitor of tetramerization. <i>Haematologica</i> , <b>2017</b> , 102, e170-e174	6.6	8
131	Rigidity theory for biomolecules: concepts, software, and applications. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2017</b> , 7, e1311	7.9	21
130	Design, Multicomponent Synthesis, and Anticancer Activity of a Focused Histone Deacetylase (HDAC) Inhibitor Library with Peptoid-Based Cap Groups. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 5493	-§ <i>§</i> 06	22
129	Structural intermediates and directionality of the swiveling motion of Pyruvate Phosphate Dikinase. <i>Scientific Reports</i> , <b>2017</b> , 7, 45389	4.9	11
128	Rigidity Theory-Based Approximation of Vibrational Entropy Changes upon Binding to Biomolecules. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 1495-1502	6.4	14
127	Human RAD52 - a novel player in DNA repair in cancer and immunodeficiency. <i>Haematologica</i> , <b>2017</b> , 102, e69-e72	6.6	4
126	Tertiary Interactions in the Unbound Guanine-Sensing Riboswitch Focus Functional Conformational Variability on the Binding Site. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 2822-2832	6.1	1
125	Pyrazolidine-3,5-dione-based inhibitors of phosphoenolpyruvate carboxylase as a new class of potential C plant herbicides. <i>FEBS Letters</i> , <b>2017</b> , 591, 3369-3377	3.8	1
124	On the potential alternate binding change mechanism in a dimeric structure of Pyruvate Phosphate Dikinase. <i>Scientific Reports</i> , <b>2017</b> , 7, 8020	4.9	5
123	Sequencing of FIC1, BSEP and MDR3 in a large cohort of patients with cholestasis revealed a high number of different genetic variants. <i>Journal of Hepatology</i> , <b>2017</b> , 67, 1253-1264	13.4	68
122	Cover Image, Volume 7, Issue 4. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2017</b> , 7, e1324	7.9	

121	Ensemble- and Rigidity Theory-Based Perturbation Approach To Analyze Dynamic Allostery. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 6343-6357	6.4	20
120	Structural features of FAP174, a MYCBP-1 orthologue from Chlamydomonas reinhardtii, revealed by computational and experimental analyses. <i>RSC Advances</i> , <b>2017</b> , 7, 51391-51402	3.7	1
119	Alkoxyurea-Based Histone Deacetylase Inhibitors Increase Cisplatin Potency in Chemoresistant Cancer Cell Lines. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 5334-5348	8.3	31
118	Contribution of single amino acid and codon substitutions to the production and secretion of a lipase by Bacillus subtilis. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 160	6.4	13
117	EDTA aggregates induce SYPRO orange-based fluorescence in thermal shift assay. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177024	3.7	12
116	Ligand-mediated and tertiary interactions cooperatively stabilize the P1 region in the guanine-sensing riboswitch. <i>PLoS ONE</i> , <b>2017</b> , 12, e0179271	3.7	4
115	Trading off stability against activity in extremophilic aldolases. <i>Scientific Reports</i> , <b>2016</b> , 6, 17908	4.9	39
114	Structural assemblies of the di- and oligomeric G-protein coupled receptor TGR5 in live cells: an MFIS-FRET and integrative modelling study. <i>Scientific Reports</i> , <b>2016</b> , 6, 36792	4.9	17
113	Failure of the IDA in FRET Systems at Close Inter-Dye Distances Is Moderated by Frequent Low (2) Values. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 8845-62	3.4	12
112	Platelets contribute to amyloid-laggregation in cerebral vessels through integrin HbB-induced outside-in signaling and clusterin release. <i>Science Signaling</i> , <b>2016</b> , 9, ra52	8.8	56
111	Structural basis of lantibiotic recognition by the nisin resistance protein from Streptococcus agalactiae. <i>Scientific Reports</i> , <b>2016</b> , 6, 18679	4.9	31
110	Design and biological testing of peptidic dimerization inhibitors of human Hsp90 that target the C-terminal domain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2016</b> , 1860, 1043-55	4	13
109	Interpreting Thermodynamic Profiles of Aminoadamantane Compounds Inhibiting the M2 Proton Channel of Influenza A by Free Energy Calculations. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 110-26	6.1	18
108	Design and synthesis of novel Y-shaped barbituric acid derivatives as PPARlactivators. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 423-435	6.8	17
107	Application of Rigidity Theory to the Thermostabilization of Lipase A from Bacillus subtilis. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004754	5	35
106	Redesigning Aldolase Stereoselectivity by Homologous Grafting. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156525	3.7	5
105	Molecular Mechanisms of Glutamine Synthetase Mutations that Lead to Clinically Relevant Pathologies. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004693	5	20
104	Structure of the Response Regulator NsrR from Streptococcus agalactiae, Which Is Involved in Lantibiotic Resistance. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149903	3.7	10

103	Determinants of FIV and HIV Vif sensitivity of feline APOBEC3 restriction factors. <i>Retrovirology</i> , <b>2016</b> , 13, 46	3.6	17
102	Quantitative FRET studies and integrative modeling unravel the structure and dynamics of biomolecular systems. <i>Current Opinion in Structural Biology</i> , <b>2016</b> , 40, 163-185	8.1	102
101	Alchemical Free Energy Calculations and Isothermal Titration Calorimetry Measurements of Aminoadamantanes Bound to the Closed State of Influenza A/M2TM. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 862-76	6.1	18
100	Aminoxy Oligopeptides: Synthesis, Secondary Structure, and Cytotoxicity of a New Class of Anticancer Foldamers. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17600-17611	4.8	12
99	Synthesis, Biological Evaluation and Molecular Modeling of Substituted Indeno[1,2-b]indoles as Inhibitors of Human Protein Kinase CK2. <i>Pharmaceuticals</i> , <b>2015</b> , 8, 279-302	5.2	25
98	VisualCNA: a GUI for interactive constraint network analysis and protein engineering for improving thermostability. <i>Bioinformatics</i> , <b>2015</b> , 31, 2394-6	7.2	10
97	Mutational mapping of the transmembrane binding site of the G-protein coupled receptor TGR5 and binding mode prediction of TGR5 agonists. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 104, 57-7	7 <b>2</b> .8	22
96	Toolkit for Multi-Conformation Biomolecular Structure Determination by High-Precision FRET and Molecular Simulations. <i>Biophysical Journal</i> , <b>2015</b> , 108, 163a-164a	2.9	
95	Complex long-distance effects of mutations that confer linezolid resistance in the large ribosomal subunit. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 7731-43	20.1	5
94	Extension of the free energy workflow FEW towards implicit solvent/implicit membrane MM-PBSA calculations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 972-982	4	15
93	Force field dependence of riboswitch dynamics. <i>Methods in Enzymology</i> , <b>2015</b> , 553, 163-91	1.7	5
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1	Evidence for a bacterial Lands cycle phospholipase A: Structural and mechanistic insights into membrane phospholipid remodeling		1