

# Emad Tajkhorshid

## List of Publications by Citations

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275  
papers

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161  
g-index

335  
ext. papers

31,490  
ext. citations

7.7  
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6.96  
L-index

#	Paper	IF	Citations
275	Scalable molecular dynamics with NAMD. <i>Journal of Computational Chemistry</i> , <b>2005</b> , 26, 1781-802	3.5	12650
274	Control of the selectivity of the aquaporin water channel family by global orientational tuning. <i>Science</i> , <b>2002</b> , 296, 525-30	33.3	742
273	Structural mechanism of plant aquaporin gating. <i>Nature</i> , <b>2006</b> , 439, 688-94	50.4	643
272	Free energy calculation from steered molecular dynamics simulations using Jarzynski's equality. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 3559-3566	3.9	600
271	Scalable molecular dynamics on CPU and GPU architectures with NAMD. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 044130	3.9	483
270	Energetics of glycerol conduction through aquaglyceroporin GlpF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 6731-6	11.5	334
269	Rapid parameterization of small molecules using the Force Field Toolkit. <i>Journal of Computational Chemistry</i> , <b>2013</b> , 34, 2757-70	3.5	313
268	Theory and simulation of water permeation in aquaporin-1. <i>Biophysical Journal</i> , <b>2004</b> , 86, 50-7	2.9	284
267	Pressure-induced water transport in membrane channels studied by molecular dynamics. <i>Biophysical Journal</i> , <b>2002</b> , 83, 154-60	2.9	252
266	Structural basis for iron piracy by pathogenic Neisseria. <i>Nature</i> , <b>2012</b> , 483, 53-8	50.4	199
265	Color tuning in rhodopsins: the mechanism for the spectral shift between bacteriorhodopsin and sensory rhodopsin II. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 10808-18	16.4	179
264	Collective diffusion model for water permeation through microscopic channels. <i>Physical Review Letters</i> , <b>2004</b> , 93, 224501	7.4	177
263	Molecular dynamics simulations of membrane channels and transporters. <i>Current Opinion in Structural Biology</i> , <b>2009</b> , 19, 128-37	8.1	174
262	Molecular dynamics simulations of proteins in lipid bilayers. <i>Current Opinion in Structural Biology</i> , <b>2005</b> , 15, 423-31	8.1	164
261	Molecular dynamics investigation of primary photoinduced events in the activation of rhodopsin. <i>Biophysical Journal</i> , <b>2002</b> , 83, 3097-112	2.9	163
260	Exploring gas permeability of cellular membranes and membrane channels with molecular dynamics. <i>Journal of Structural Biology</i> , <b>2007</b> , 157, 534-44	3.4	162
259	Classical force field parameters for the heme prosthetic group of cytochrome c. <i>Journal of Computational Chemistry</i> , <b>2004</b> , 25, 1613-22	3.5	161

258	Estrogen receptor alpha somatic mutations Y537S and D538G confer breast cancer endocrine resistance by stabilizing the activating function-2 binding conformation. <i>ELife</i> , <b>2016</b> , 5,	8.9	154
257	Electrostatic tuning of permeation and selectivity in aquaporin water channels. <i>Biophysical Journal</i> , <b>2003</b> , 85, 2884-99	2.9	150
256	Subangstrom resolution X-ray structure details aquaporin-water interactions. <i>Science</i> , <b>2013</b> , 340, 1346-1349	3.9	147
255	What makes an aquaporin a glycerol channel? A comparative study of AqpZ and GlpF. <i>Structure</i> , <b>2005</b> , 13, 1107-18	5.2	147
254	Structure of the alternative complex III in a supercomplex with cytochrome oxidase. <i>Nature</i> , <b>2018</b> , 557, 123-126	50.4	144
253	Energy transduction and alternating access of the mammalian ABC transporter P-glycoprotein. <i>Nature</i> , <b>2017</b> , 543, 738-741	50.4	141
252	Mitochondrial VDAC1: A Key Gatekeeper as Potential Therapeutic Target. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 460	4.6	139
251	The mechanism of glycerol conduction in aquaglyceroporins. <i>Structure</i> , <b>2001</b> , 9, 1083-93	5.2	139
250	The mechanism of proton exclusion in aquaporin channels. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2004</b> , 55, 223-8	4.2	136
249	X-ray structures define human P2X(3) receptor gating cycle and antagonist action. <i>Nature</i> , <b>2016</b> , 538, 66-71	50.4	134
248	Molecular basis of proton blockage in aquaporins. <i>Structure</i> , <b>2004</b> , 12, 65-74	5.2	132
247	Mechanism of gating and ion conductivity of a possible tetrameric pore in aquaporin-1. <i>Structure</i> , <b>2006</b> , 14, 1411-23	5.2	126
246	Molecular dynamics simulation of bacteriorhodopsin's photoisomerization using ab initio forces for the excited chromophore. <i>Biophysical Journal</i> , <b>2003</b> , 85, 1440-9	2.9	126
245	Structural changes during the formation of early intermediates in the bacteriorhodopsin photocycle. <i>Biophysical Journal</i> , <b>2002</b> , 83, 1281-97	2.9	124
244	Calculation of the gating charge for the Kv1.2 voltage-activated potassium channel. <i>Biophysical Journal</i> , <b>2010</b> , 98, 2189-98	2.9	121
243	Unique conformer selection of human growth-regulatory lectin galectin-1 for ganglioside GM1 versus bacterial toxins. <i>Biochemistry</i> , <b>2003</b> , 42, 14762-73	3.2	116
242	Characterizing the membrane-bound state of cytochrome P450 3A4: structure, depth of insertion, and orientation. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8542-51	16.4	115
241	Peptide aggregation and pore formation in a lipid bilayer: a combined coarse-grained and all atom molecular dynamics study. <i>Biophysical Journal</i> , <b>2008</b> , 95, 4337-47	2.9	113

240	Electrostatic funneling of substrate in mitochondrial inner membrane carriers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 9598-603	11.5	110
239	Structural Determinants of Spectral Tuning in Retinal Proteins Bacteriorhodopsin vs Sensory Rhodopsin II#. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 10124-10131	3.4	106
238	Mechanistic picture for conformational transition of a membrane transporter at atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18916-21	11.5	105
237	On the origin of large flexibility of P-glycoprotein in the inward-facing state. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 19211-20	5.4	101
236	Functional interplay between acetylation and methylation of the RelA subunit of NF-kappaB. <i>Molecular and Cellular Biology</i> , <b>2010</b> , 30, 2170-80	4.8	101
235	Accelerating membrane insertion of peripheral proteins with a novel membrane mimetic model. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2130-9	2.9	98
234	Photochemical reaction dynamics of the primary event of vision studied by means of a hybrid molecular simulation. <i>Biophysical Journal</i> , <b>2009</b> , 96, 403-16	2.9	98
233	Dynamics of K <sup>+</sup> ion conduction through Kv1.2. <i>Biophysical Journal</i> , <b>2006</b> , 91, L72-4	2.9	98
232	Molecular dynamics study of the nature and origin of retinal's twisted structure in bacteriorhodopsin. <i>Biophysical Journal</i> , <b>2000</b> , 78, 683-93	2.9	95
231	Conformational dynamics of the nucleotide binding domains and the power stroke of a heterodimeric ABC transporter. <i>ELife</i> , <b>2014</b> , 3, e02740	8.9	93
230	Serotonin transporter-ibogaine complexes illuminate mechanisms of inhibition and transport. <i>Nature</i> , <b>2019</b> , 569, 141-145	50.4	89
229	Mechanics of force propagation in TonB-dependent outer membrane transport. <i>Biophysical Journal</i> , <b>2007</b> , 93, 496-504	2.9	88
228	Diffusion of glycerol through Escherichia coli aquaglyceroporin GlpF. <i>Biophysical Journal</i> , <b>2008</b> , 94, 832-92.9	2.9	87
227	Substrate binding and formation of an occluded state in the leucine transporter. <i>Biophysical Journal</i> , <b>2008</b> , 94, 1600-12	2.9	87
226	Atomic view of calcium-induced clustering of phosphatidylserine in mixed lipid bilayers. <i>Biochemistry</i> , <b>2011</b> , 50, 2264-73	3.2	86
225	Mechanisms of selectivity in channels and enzymes studied with interactive molecular dynamics. <i>Biophysical Journal</i> , <b>2003</b> , 85, 36-48	2.9	86
224	Molecular Dynamics Study of Bacteriorhodopsin and the Purple Membrane. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 905-918	3.4	86
223	Structural and functional analysis of SoPIP2;1 mutants adds insight into plant aquaporin gating. <i>Journal of Molecular Biology</i> , <b>2009</b> , 387, 653-68	6.5	82

222	Toward theoretical analysis of long-range proton transfer kinetics in biomolecular pumps. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 548-63	2.8	82
221	Molecular dynamics study of aquaporin-1 water channel in a lipid bilayer. <i>FEBS Letters</i> , <b>2001</b> , 504, 212-8	3.8	81
220	Characterization of Lipid-Protein Interactions and Lipid-Mediated Modulation of Membrane Protein Function through Molecular Simulation. <i>Chemical Reviews</i> , <b>2019</b> , 119, 6086-6161	68.1	80
219	Determination of structural and functional overlap/divergence of five proto-type galectins by analysis of the growth-regulatory interaction with ganglioside GM1 in silico and in vitro on human neuroblastoma cells. <i>International Journal of Cancer</i> , <b>2005</b> , 114, 46-57	7.5	79
218	A comparison of aqueous solvent models used in the calculation of the Raman and ROA spectra of l-alanine. <i>Chemical Physics</i> , <b>2001</b> , 265, 125-151	2.3	79
217	A(1-42) tetramer and octamer structures reveal edge conductivity pores as a mechanism for membrane damage. <i>Nature Communications</i> , <b>2020</b> , 11, 3014	17.4	77
216	Molecular determinants of phospholipid synergy in blood clotting. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 23247-53	5.4	76
215	Performance of the AM1, PM3, and SCC-DFTB methods in the study of conjugated Schiff base molecules. <i>Chemical Physics</i> , <b>2002</b> , 277, 91-103	2.3	74
214	Transient formation of water-conducting states in membrane transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 7696-701	11.5	72
213	Activation and Desensitization Mechanism of AMPA Receptor-TARP Complex by Cryo-EM. <i>Cell</i> , <b>2017</b> , 170, 1234-1246.e14	56.2	71
212	Dynamics of the extracellular gate and ion-substrate coupling in the glutamate transporter. <i>Biophysical Journal</i> , <b>2008</b> , 95, 2292-300	2.9	71
211	Direct protein-lipid interactions shape the conformational landscape of secondary transporters. <i>Nature Communications</i> , <b>2018</b> , 9, 4151	17.4	70
210	Atoms to Phenotypes: Molecular Design Principles of Cellular Energy Metabolism. <i>Cell</i> , <b>2019</b> , 179, 1098-1111.e23	16.1	67
209	Dimer opening of the nucleotide binding domains of ABC transporters after ATP hydrolysis. <i>Biophysical Journal</i> , <b>2008</b> , 95, 5100-10	2.9	67
208	Atomic-level characterization of transport cycle thermodynamics in the glycerol-3-phosphate:phosphate antiporter. <i>Nature Communications</i> , <b>2015</b> , 6, 8393	17.4	66
207	Mechanism of signal propagation upon retinal isomerization: insights from molecular dynamics simulations of rhodopsin restrained by normal modes. <i>Biophysical Journal</i> , <b>2008</b> , 95, 789-803	2.9	66
206	Structural and functional diversity calls for a new classification of ABC transporters. <i>FEBS Letters</i> , <b>2020</b> , 594, 3767-3775	3.8	66
205	Lipids and ions traverse the membrane by the same physical pathway in the nhTMEM16 scramblase. <i>ELife</i> , <b>2017</b> , 6,	8.9	64

204	Modeling and dynamics of the inward-facing state of a Na <sup>+</sup> /Cl <sup>-</sup> dependent neurotransmitter transporter homologue. <i>PLoS Computational Biology</i> , <b>2010</b> , 6, e1000905	5	63
203	Nitric oxide conduction by the brain aquaporin AQP4. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2010</b> , 78, 661-70	4.2	63
202	Sugar transport across lactose permease probed by steered molecular dynamics. <i>Biophysical Journal</i> , <b>2007</b> , 93, 92-102	2.9	62
201	Role of hydrogen-bond network in energy storage of bacteriorhodopsin's light-driven proton pump revealed by ab initio normal-mode analysis. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10516-7	16.4	62
200	Stapled Peptides with Methylated Hydrocarbon Chains for the Estrogen Receptor/Coactivator Interaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 4252-5	16.4	62
199	Identification of the third Na <sup>+</sup> site and the sequence of extracellular binding events in the glutamate transporter. <i>Biophysical Journal</i> , <b>2010</b> , 99, 1416-25	2.9	61
198	CHARMM-GUI HMMM Builder for Membrane Simulations with the Highly Mobile Membrane-Mimetic Model. <i>Biophysical Journal</i> , <b>2015</b> , 109, 2012-22	2.9	60
197	Incorporation of antimicrobial peptides into membranes: a combined liquid-state NMR and molecular dynamics study of alamethicin in DMPC/DHPC bicelles. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6928-37	3.4	60
196	Distinct structural and adhesive roles of Ca <sup>2+</sup> in membrane binding of blood coagulation factors. <i>Structure</i> , <b>2008</b> , 16, 72-81	5.2	60
195	Molecular mechanisms of conduction and selectivity in aquaporin water channels. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 1509S-1515S; discussion 1516S-1517S	4.1	60
194	Dimeric structure of the uracil:proton symporter UraA provides mechanistic insights into the SLC4/23/26 transporters. <i>Cell Research</i> , <b>2017</b> , 27, 1020-1033	24.7	59
193	Structure and permeation mechanism of a mammalian urea transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 11194-9	11.5	58
192	Lectin ligands: new insights into their conformations and their dynamic behavior and the discovery of conformer selection by lectins. <i>Cells Tissues Organs</i> , <b>1998</b> , 161, 91-109	2.1	56
191	Sugar binding and protein conformational changes in lactose permease. <i>Biophysical Journal</i> , <b>2006</b> , 91, 3972-85	2.9	55
190	Ion-releasing state of a secondary membrane transporter. <i>Biophysical Journal</i> , <b>2009</b> , 97, L29-31	2.9	54
189	Computational Recipe for Efficient Description of Large-Scale Conformational Changes in Biomolecular Systems. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 2866-2880	6.4	52
188	Tyrosine phosphorylation by Src within the cavity of the adenine nucleotide translocase 1 regulates ADP/ATP exchange in mitochondria. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C740-8	5.4	49
187	Involvement of laser photo-CIDNP (chemically induced dynamic nuclear polarization)-reactive amino acid side chains in ligand binding by galactoside-specific lectins in solution. <i>FEBS Journal</i> , <b>1997</b> , 249, 27-38		48

186	Developing an energy landscape for the novel function of a (beta/alpha) <sub>8</sub> barrel: ammonia conduction through HisF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 7599-604	11.5	48
185	Mechanism of drug-drug interactions mediated by human cytochrome P450 CYP3A4 monomer. <i>Biochemistry</i> , <b>2015</b> , 54, 2227-39	3.2	46
184	Partitioning of amino acids into a model membrane: capturing the interface. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1481-92	3.4	43
183	Conformational coupling of the nucleotide-binding and the transmembrane domains in ABC transporters. <i>Biophysical Journal</i> , <b>2011</b> , 101, 680-90	2.9	43
182	Dynamical view of membrane binding and complex formation of human factor VIIa and tissue factor. <i>Journal of Thrombosis and Haemostasis</i> , <b>2010</b> , 8, 1044-53	15.4	43
181	The SERM/SERD basedoxifene disrupts ESR1 helix 12 to overcome acquired hormone resistance in breast cancer cells. <i>ELife</i> , <b>2018</b> , 7,	8.9	42
180	Computational characterization of structural dynamics underlying function in active membrane transporters. <i>Current Opinion in Structural Biology</i> , <b>2015</b> , 31, 96-105	8.1	41
179	Water access points and hydration pathways in CLC H <sup>+</sup> /Cl <sup>-</sup> transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1819-24	11.5	40
178	PyContact: Rapid, Customizable, and Visual Analysis of Noncovalent Interactions in MD Simulations. <i>Biophysical Journal</i> , <b>2018</b> , 114, 577-583	2.9	39
177	Visualizing functional motions of membrane transporters with molecular dynamics simulations. <i>Biochemistry</i> , <b>2013</b> , 52, 569-87	3.2	39
176	Conformational heterogeneity of E <sub>2</sub> synuclein in membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2014</b> , 1838, 3107-17	3.8	38
175	Molecular dynamics investigation of the E <sub>2</sub> current in the Kv1.2 voltage sensor domains. <i>Biophysical Journal</i> , <b>2012</b> , 102, 258-67	2.9	38
174	Exploring transmembrane diffusion pathways with molecular dynamics. <i>Physiology</i> , <b>2010</b> , 25, 142-54	9.8	38
173	Structural basis of substrate selectivity in the glycerol-3-phosphate: phosphate antiporter GlpT. <i>Biophysical Journal</i> , <b>2009</b> , 97, 1346-53	2.9	35
172	Blood clotting reactions on nanoscale phospholipid bilayers. <i>Thrombosis Research</i> , <b>2008</b> , 122 Suppl 1, S23-6	8.2	35
171	Molecular basis for the activation of a catalytic asparagine residue in a self-cleaving bacterial autotransporter. <i>Journal of Molecular Biology</i> , <b>2012</b> , 415, 128-42	6.5	34
170	A network of phosphatidylinositol 4,5-bisphosphate binding sites regulates gating of the Ca-activated Cl channel ANO1 (TMEM16A). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 19952-19962	11.5	33
169	Simulation of spontaneous substrate binding revealing the binding pathway and mechanism and initial conformational response of GlpT. <i>Biochemistry</i> , <b>2010</b> , 49, 1105-14	3.2	33



168	A microscopic view of phospholipid insertion into biological membranes. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1754-64	3.4	32
167	Residue-specific information about the dynamics of antimicrobial peptides from (1)H-(15)N and (2)H solid-state NMR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18335-42	16.4	32
166	TopoGromacs: Automated Topology Conversion from CHARMM to GROMACS within VMD. <i>Journal of Chemical Information and Modeling</i> , <b>2016</b> , 56, 1112-6	6.1	32
165	Selective Permeability of Carboxysome Shell Pores to Anionic Molecules. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 9110-9118	3.4	32
164	Membrane-induced structural rearrangement and identification of a novel membrane anchor in talin F2F3. <i>Biophysical Journal</i> , <b>2014</b> , 107, 2059-69	2.9	31
163	The binding interface of cytochrome c and cytochrome c <sub>1</sub> in the bc <sub>1</sub> complex: rationalizing the role of key residues. <i>Biophysical Journal</i> , <b>2010</b> , 99, 2647-56	2.9	31
162	Role of Water in Transient Cytochrome c <sub>2</sub> Docking. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 20376-20387	3.7	31
161	Revealing an outward-facing open conformational state in a CLC Cl(-)/H(+) exchange transporter. <i>ELife</i> , <b>2016</b> , 5,	8.9	31
160	An Activity-Based Sensing Approach for the Detection of Cyclooxygenase-2 in Live Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3307-3314	16.4	31
159	Structural insights into photosystem II assembly. <i>Nature Plants</i> , <b>2021</b> , 7, 524-538	11.5	31
158	Incorporation of charged residues in the CYP2J2 F-G loop disrupts CYP2J2-lipid bilayer interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2015</b> , 1848, 2460-2470	3.8	30
157	Capturing Spontaneous Membrane Insertion of the Influenza Virus Hemagglutinin Fusion Peptide. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 7882-93	3.4	30
156	A Chalcogen-Bonding Cascade Switch for Planarizable Push-Pull Probes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15752-15756	16.4	30
155	Capturing spontaneous partitioning of peripheral proteins using a biphasic membrane-mimetic model. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 7029-37	3.4	30
154	Large scale simulation of protein mechanics and function. <i>Advances in Protein Chemistry</i> , <b>2003</b> , 66, 195-247		30
153	The cellular membrane as a mediator for small molecule interaction with membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2016</b> , 1858, 2290-2304	3.8	30
152	Molecular Basis for Differential Anion Binding and Proton Coupling in the Cl(-)/H(+) Exchanger CLC-ec1. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3066-75	16.4	29
151	QM/MM study of the active site of free papain and of the NMA-papain complex. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>1999</b> , 16, 1019-32	3.6	29



150	Atomic-level description of protein-lipid interactions using an accelerated membrane model. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2016</b> , 1858, 1573-83	3.8	29
149	A highly tilted membrane configuration for the prefusion state of synaptobrevin. <i>Biophysical Journal</i> , <b>2014</b> , 107, 2112-21	2.9	28
148	Differential Membrane Binding Mechanics of Synaptotagmin Isoforms Observed in Atomic Detail. <i>Biochemistry</i> , <b>2017</b> , 56, 281-293	3.2	27
147	Coupling of calcium and substrate binding through loop alignment in the outer-membrane transporter BtuB. <i>Journal of Molecular Biology</i> , <b>2009</b> , 393, 1129-42	6.5	27
146	Structural basis of co-translational quality control by ArfA and RF2 bound to ribosome. <i>Nature</i> , <b>2017</b> , 541, 554-557	50.4	26
145	Molecular Insights into the Loading and Dynamics of Doxorubicin on PEGylated Graphene Oxide Nanocarriers. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1354-1363	4.1	26
144	Movement of NH <sub>3</sub> through the human urea transporter B: a new gas channel. <i>American Journal of Physiology - Renal Physiology</i> , <b>2013</b> , 304, F1447-57	4.3	26
143	Potential cation and H <sup>+</sup> binding sites in acid sensing ion channel-1. <i>Biophysical Journal</i> , <b>2008</b> , 95, 5153-64.	6.9	26
142	Tuning symmetry breaking charge separation in perylene bichromophores by conformational control. <i>Chemical Science</i> , <b>2019</b> , 10, 10629-10639	9.4	26
141	Mass spectrometry-based cross-linking study shows that the Psb28 protein binds to cytochrome in Photosystem II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2224-2229	11.5	25
140	Chasing the open-state structure of pentameric ligand-gated ion channels. <i>Journal of General Physiology</i> , <b>2017</b> , 149, 1119-1138	3.4	25
139	Asymmetric Binding and Metabolism of Polyunsaturated Fatty Acids (PUFAs) by CYP2J2 Epoxygenase. <i>Biochemistry</i> , <b>2016</b> , 55, 6969-6980	3.2	25
138	Efficient Exploration of Membrane-Associated Phenomena at Atomic Resolution. <i>Journal of Membrane Biology</i> , <b>2015</b> , 248, 563-82	2.3	24
137	Atomistic models of general anesthetics for use in in silico biological studies. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 12075-86	3.4	24
136	Driven Metadynamics: Reconstructing Equilibrium Free Energies from Driven Adaptive-Bias Simulations. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1882-1887	6.4	24
135	Protein-membrane interactions: blood clotting on nanoscale bilayers. <i>Journal of Thrombosis and Haemostasis</i> , <b>2009</b> , 7 Suppl 1, 169-72	15.4	23
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