

William L Jorgensen

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.

299
papers

80,293
citations

92
h-index

283
g-index

426
ext. papers

89,207
ext. citations

7.6
avg, IF

8.04
L-index

#	Paper	IF	Citations
299	Long-acting and extended-release implant and nanoformulations with a synergistic antiretroviral two-drug combination controls HIV-1 infection in a humanized mouse model.. <i>Bioengineering and Translational Medicine</i> , 2022 , 7, e10237	14.8	0
298	Structural Studies and Structure Activity Relationships for Novel Computationally Designed Non-nucleoside Inhibitors and Their Interactions With HIV-1 Reverse Transcriptase.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 805187	5.6	1
297	Conversion of a False Virtual Screen Hit into Selective JAK2 JH2 Domain Binders Using Convergent Design Strategies.. <i>ACS Medicinal Chemistry Letters</i> , 2022 , 13, 819-826	4.3	0
296	Covalent Inhibition of Wild-Type HIV-1 Reverse Transcriptase Using a Fluorosulfate Warhead. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 249-255	4.3	5
295	Potent Noncovalent Inhibitors of the Main Protease of SARS-CoV-2 from Molecular Sculpting of the Drug Perampanel Guided by Free Energy Perturbation Calculations. <i>ACS Central Science</i> , 2021 , 7, 467-475	16.8	70
294	Optimization of Triarylpyridinone Inhibitors of the Main Protease of SARS-CoV-2 to Low-Nanomolar Antiviral Potency. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 1325-1332	4.3	7
293	Indoloxotriazines as binding molecules for the JAK2 JH2 pseudokinase domain and its V617F variant. <i>Tetrahedron Letters</i> , 2021 , 77,	2	1
292	Structure-guided design of a perampanel-derived pharmacophore targeting the SARS-CoV-2 main protease. <i>Structure</i> , 2021 , 29, 823-833.e5	5.2	12
291	Metadynamics as a Postprocessing Method for Virtual Screening with Application to the Pseudokinase Domain of JAK2. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 4403-4415	6.1	2
290	Targeting the TS dimer interface in bifunctional <i>Cryptosporidium hominis</i> TS-DHFR from parasitic protozoa: Virtual screening identifies novel TS allosteric inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127292	2.9	1
289	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
288	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
287	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
286	Structural investigation of 2-naphthyl phenyl ether inhibitors bound to WT and Y181C reverse transcriptase highlights key features of the NNRTI binding site. <i>Protein Science</i> , 2020 , 29, 1902-1910	6.3	3
285	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	
284	Structure-Guided Identification of DNMT3B Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 971-976	4.3	6
283	Selective Janus Kinase 2 (JAK2) Pseudokinase Ligands with a Diaminotriazole Core. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 5324-5340	8.3	11

282	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , 2020 , 39, 1665-1686		
281	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
280	Identification of 14 Known Drugs as Inhibitors of the Main Protease of SARS-CoV-2 2020 ,		11
279	Explicit Representation of Cation-Interactions in Force Fields with 1/ Nonbonded Terms. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 7184-7194	6.4	12
278	Identification of 14 Known Drugs as Inhibitors of the Main Protease of SARS-CoV-2. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2526-2533	4.3	98
277	Absolute Free Energy of Binding Calculations for Macrophage Migration Inhibitory Factor in Complex with a Druglike Inhibitor. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 8675-8685	3.4	10
276	QM/MM Calculations for the Cl + CHCl S2 Reaction in Water Using CM5 Charges and Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5713-5717	2.8	6
275	Understanding the structural basis of species selective, stereospecific inhibition for Cryptosporidium and human thymidylate synthase. <i>FEBS Letters</i> , 2019 , 593, 2069-2078	3.8	2
274	Molecular and cellular studies evaluating a potent 2-cyanoindolizine catechol diether NNRTI targeting wildtype and Y181C mutant HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 2182-2188	2.9	3
273	Robust Free Energy Perturbation Protocols for Creating Molecules in Solution. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 3941-3948	6.4	9
272	Structural and pharmacological evaluation of a novel non-nucleoside reverse transcriptase inhibitor as a promising long acting nanoformulation for treating HIV. <i>Antiviral Research</i> , 2019 , 167, 110-116	10.8	13
271	Development and Testing of the OPLS-AA/M Force Field for RNA. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 2734-2742	6.4	26
270	Novel allosteric covalent inhibitors of bifunctional Cryptosporidium hominis TS-DHFR from parasitic protozoa identified by virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1413-1418	2.9	5
269	Structure activity relationship towards design of cryptosporidium specific thymidylate synthase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019 , 183, 111673	6.8	4
268	Computation of protein-ligand binding free energies using quantum mechanical bespoke force fields. <i>MedChemComm</i> , 2019 , 10, 1116-1120	5	13
267	Unbinding Dynamics of Non-Nucleoside Inhibitors from HIV-1 Reverse Transcriptase. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 1741-1748	3.4	13
266	Optimization of Pyrazoles as Phenol Surrogates to Yield Potent Inhibitors of Macrophage Migration Inhibitory Factor. <i>ChemMedChem</i> , 2018 , 13, 1092-1097	3.7	12
265	From in silico hit to long-acting late-stage preclinical candidate to combat HIV-1 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E802-E811	11.5	28

264	Enhanced Monte Carlo Methods for Modeling Proteins Including Computation of Absolute Free Energies of Binding. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 3279-3288	6.4	20
263	Reply to Pandey et al.: Understanding the efficacy of a potential antiretroviral drug candidate in humanized mouse model of HIV infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8114-E8115	11.5	
262	Molecular Dynamics Simulations of a Conformationally Mobile Peptide-Based Catalyst for Atroposelective Bromination. <i>ACS Catalysis</i> , 2018 , 8, 9968-9979	13.1	21
261	Advances and Insights for Small Molecule Inhibition of Macrophage Migration Inhibitory Factor. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 8104-8119	8.3	23
260	Improved Treatment of Nucleosides and Nucleotides in the OPLS-AA Force Field. <i>Chemical Physics Letters</i> , 2017 , 683, 276-280	2.5	13
259	1.14*CM1A-LBCC: Localized Bond-Charge Corrected CM1A Charges for Condensed-Phase Simulations. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 3864-3870	3.4	185
258	Structural and Preclinical Studies of Computationally Designed Non-Nucleoside Reverse Transcriptase Inhibitors for Treating HIV infection. <i>Molecular Pharmacology</i> , 2017 , 91, 383-391	4.3	14
257	LigParGen web server: an automatic OPLS-AA parameter generator for organic ligands. <i>Nucleic Acids Research</i> , 2017 , 45, W331-W336	20.1	366
256	Systematic Study of Effects of Structural Modifications on the Aqueous Solubility of Drug-like Molecules. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 124-127	4.3	21
255	Identification and Characterization of JAK2 Pseudokinase Domain Small Molecule Binders. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 618-621	4.3	22
254	JAK2 JH2 Fluorescence Polarization Assay and Crystal Structures for Complexes with Three Small Molecules. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 614-617	4.3	19
253	Improved Description of Sulfur Charge Anisotropy in OPLS Force Fields: Model Development and Parameterization. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6626-6636	3.4	18
252	Covalent inhibitors for eradication of drug-resistant HIV-1 reverse transcriptase: From design to protein crystallography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9725-9730	11.5	28
251	Computationally-guided optimization of small-molecule inhibitors of the Aurora A kinase-TPX2 protein-protein interaction. <i>Chemical Communications</i> , 2017 , 53, 9372-9375	5.8	12
250	Adding a Hydrogen Bond May Not Help: Naphthyridinone vs Quinoline Inhibitors of Macrophage Migration Inhibitory Factor. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 1287-1291	4.3	8
249	Performance of Protein-Ligand Force Fields for the Flavodoxin-Flavin Mononucleotide System. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3032-6	6.4	12
248	Computer-aided discovery of anti-HIV agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 4768-4778	3.4	48
247	Design, Conformation, and Crystallography of 2-Naphthyl Phenyl Ethers as Potent Anti-HIV Agents. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 1156-1160	4.3	21

246	A Fluorescence Polarization Assay for Binding to Macrophage Migration Inhibitory Factor and Crystal Structures for Complexes of Two Potent Inhibitors. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8630-8	16.4	25
245	OPLS3: A Force Field Providing Broad Coverage of Drug-like Small Molecules and Proteins. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 281-96	6.4	1555
244	Hydration Properties and Solvent Effects for All-Atom Solutes in Polarizable Coarse-Grained Water. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 8102-14	3.4	7
243	Irregularities in enzyme assays: The case of macrophage migration inhibitory factor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 2764-2767	2.9	22
242	Biomolecular Force Field Parameterization via Atoms-in-Molecule Electron Density Partitioning. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 2312-23	6.4	82
241	Structure-based evaluation of non-nucleoside inhibitors with improved potency and solubility that target HIV reverse transcriptase variants. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 2737-45	8.3	42
240	Discovery and crystallography of bicyclic arylaminoazines as potent inhibitors of HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4824-4827	2.9	14
239	Design, synthesis, and protein crystallography of biaryltriazoles as potent tautomerase inhibitors of macrophage migration inhibitory factor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2996-3003	16.4	51
238	A nanotherapy strategy significantly enhances anticryptosporidial activity of an inhibitor of bifunctional thymidylate synthase-dihydrofolate reductase from <i>Cryptosporidium</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2065-7	2.9	9
237	Determination of partial molar volumes from free energy perturbation theory. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 8407-15	3.6	14
236	Evaluation of CM5 Charges for Nonaqueous Condensed-Phase Modeling. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 4273-82	6.4	38
235	Potent Inhibitors Active against HIV Reverse Transcriptase with K101P, a Mutation Conferring Rilpivirine Resistance. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 1075-9	4.3	19
234	Molecular dynamics and Monte Carlo simulations for protein-ligand binding and inhibitor design. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 966-971	4	30
233	Application of a BOSS-Gaussian interface for QM/MM simulations of Henry and methyl transfer reactions. <i>Journal of Computational Chemistry</i> , 2015 , 36, 2064-74	3.5	11
232	Macrophage Migration Inhibitory Factor Is Detrimental in Pneumococcal Pneumonia and a Target for Therapeutic Immunomodulation. <i>Journal of Infectious Diseases</i> , 2015 , 212, 1677-82	7	23
231	Endothelial CD74 mediates macrophage migration inhibitory factor protection in hyperoxic lung injury. <i>FASEB Journal</i> , 2015 , 29, 1940-9	0.9	27
230	Improved Peptide and Protein Torsional Energetics with the OPLSAA Force Field. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 3499-509	6.4	391
229	Illustrating Concepts in Physical Organic Chemistry with 3D Printed Orbitals. <i>Journal of Chemical Education</i> , 2015 , 92, 2113-2116	2.4	44

228	Autobiography of William L. Jorgensen: scientific history and recollections. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 624-32	3.4	2
227	Accurate and reliable prediction of relative ligand binding potency in prospective drug discovery by way of a modern free-energy calculation protocol and force field. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2695-703	16.4	633
226	Enhanced Monte Carlo Sampling through Replica Exchange with Solute Tempering. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 565-571	6.4	32
225	Evaluation of CM5 Charges for Condensed-Phase Modeling. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 2802-2812	6.4	44
224	Picomolar Inhibitors of HIV-1 Reverse Transcriptase: Design and Crystallography of Naphthyl Phenyl Ethers. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 1259-62	4.3	30
223	Illuminating HIV gp120-Ligand Recognition through Computationally-Driven Optimization of Antibody-Recruiting Molecules. <i>Chemical Science</i> , 2014 , 5, 2311-2317	9.4	18
222	Structural studies provide clues for analog design of specific inhibitors of <i>Cryptosporidium hominis</i> thymidylate synthase-dihydrofolate reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 4158-61	2.9	21
221	Cooperative effects and optimal halogen bonding motifs for self-assembling systems. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 2820-6	2.8	30
220	Crystallographic and receptor binding characterization of Plasmodium falciparum macrophage migration inhibitory factor complexed to two potent inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 8652-6	8.3	15
219	Biochemical assays for the discovery of TDP1 inhibitors. <i>Molecular Cancer Therapeutics</i> , 2014 , 13, 2116-26.1		17
218	Structure-based evaluation of C5 derivatives in the catechol diether series targeting HIV-1 reverse transcriptase. <i>Chemical Biology and Drug Design</i> , 2014 , 83, 541-9	2.9	14
217	The many faces of halogen bonding: a review of theoretical models and methods. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2014 , 4, 523-540	7.9	163
216	A mechanistic and structural investigation of modified derivatives of the diaryltriazine class of NNRTIs targeting HIV-1 reverse transcriptase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 2203-11	4	9
215	Virtual screening reveals allosteric inhibitors of the <i>Toxoplasma gondii</i> thymidylate synthase-dihydrofolate reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 1232-5	2.9	9
214	Optimization of diarylazines as anti-HIV agents with dramatically enhanced solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5213-6	2.9	28
213	Extension into the entrance channel of HIV-1 reverse transcriptase--crystallography and enhanced solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5209-12	2.9	30
212	Small molecular modulation of macrophage migration inhibitory factor in the hyperoxia-induced mouse model of bronchopulmonary dysplasia. <i>Respiratory Research</i> , 2013 , 14, 27	7.3	34
211	Picomolar inhibitors of HIV reverse transcriptase featuring bicyclic replacement of a cyanovinylphenyl group. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16705-13	16.4	64

210	Foundations of biomolecular modeling. <i>Cell</i> , 2013 , 155, 1199-202	56.2	25
209	Polarized Protein-Specific Charges from Atoms-in-Molecule Electron Density Partitioning. <i>Journal of Chemical Theory and Computation</i> , 2013 , 9, 2981-2991	6.4	28
208	Optimization of benzyloxazoles as non-nucleoside inhibitors of HIV-1 reverse transcriptase to enhance Y181C potency. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 1110-3	2.9	16
207	Characterization of biaryl torsional energetics and its treatment in OPLS all-atom force fields. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 1191-9	6.1	70
206	Exploring Adsorption of Water and Ions on Carbon Surfaces using a Polarizable Force Field. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 468-474	6.4	45
205	Limiting cardiac ischemic injury by pharmacological augmentation of macrophage migration inhibitory factor-AMP-activated protein kinase signal transduction. <i>Circulation</i> , 2013 , 128, 225-36	16.7	60
204	Discovery of dimeric inhibitors by extension into the entrance channel of HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 1565-8	2.9	26
203	Crystal structures of HIV-1 reverse transcriptase with picomolar inhibitors reveal key interactions for drug design. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19501-3	16.4	41
202	Virtual screening and optimization yield low-nanomolar inhibitors of the tautomerase activity of Plasmodium falciparum macrophage migration inhibitory factor. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 10148-59	8.3	30
201	Herausforderungen für die akademische Wirkstoff-Forschung. <i>Angewandte Chemie</i> , 2012 , 124, 11848-11853	5.8	6
200	Niedermolekulare Inhibitoren der Wechselwirkung zwischen der E3-Ligase VHL und HIF1 β . <i>Angewandte Chemie</i> , 2012 , 124, 11630-11634	3.6	13
199	Challenges for academic drug discovery. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11680-4	16.4	41
198	Investigation of solvent effects on the rate and stereoselectivity of the Henry reaction. <i>Organic Letters</i> , 2012 , 14, 260-3	6.2	13
197	Methyl effects on protein-ligand binding. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 4489-500	8.3	252
196	Treatment of Halogen Bonding in the OPLS-AA Force Field; Application to Potent Anti-HIV Agents. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 3895-3801	6.4	206
195	Role of macrophage migration inhibitory factor in the regulatory T cell response of tumor-bearing mice. <i>Journal of Immunology</i> , 2012 , 189, 3905-13	5.3	34
194	On the mechanism and rate of spontaneous decomposition of amino acids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 13624-32	3.4	19
193	Improving MM-GB/SA Scoring through the Application of the Variable Dielectric Model. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 3859-3865	6.4	29

192	Efficient discovery of potent anti-HIV agents targeting the Tyr181Cys variant of HIV reverse transcriptase. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15686-96	16.4	57
191	Computationally-guided optimization of a docking hit to yield catechol diethers as potent anti-HIV agents. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 8582-91	8.3	103
190	Benzisothiazolones as modulators of macrophage migration inhibitory factor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4545-9	2.9	19
189	Aryl Extensions of Thienopyrimidinones as Fibroblast Growth Factor Receptor 1 Kinase Inhibitors. <i>Tetrahedron Letters</i> , 2011 , 52, 2228-2231	2	10
188	E/Z Energetics for Molecular Modeling and Design. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 2762-2769	6.4	23
187	A remote arene-binding site on prostate specific membrane antigen revealed by antibody-recruiting small molecules. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12711-6	16.4	112
186	Effects of Water Placement on Predictions of Binding Affinities for p38 β MAP Kinase Inhibitors. <i>Journal of Chemical Theory and Computation</i> , 2010 , 6, 3850-3856	6.4	73
185	Thorpe-Ingold acceleration of oxirane formation is mostly a solvent effect. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8766-73	16.4	24
184	Synthesis and evaluation of selected key methyl ether derivatives of vancomycin aglycon. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 7229-35	8.3	17
183	Advances in quantum and molecular mechanical (QM/MM) simulations for organic and enzymatic reactions. <i>Accounts of Chemical Research</i> , 2010 , 43, 142-51	24.3	201
182	Exploring solvent effects upon the Menshutkin reaction using a polarizable force field. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8425-30	3.4	48
181	Quantum mechanical/molecular mechanical modeling finds Diels-Alder reactions are accelerated less on the surface of water than in water. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3097-104	16.4	50
180	Discovery of novel fibroblast growth factor receptor 1 kinase inhibitors by structure-based virtual screening. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 1662-72	8.3	50
179	Eastern extension of azoles as non-nucleoside inhibitors of HIV-1 reverse transcriptase; cyano group alternatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 2485-8	2.9	32
178	Optimization of N-benzyl-benzoxazol-2-ones as receptor antagonists of macrophage migration inhibitory factor (MIF). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 5811-4	2.9	56
177	Receptor agonists of macrophage migration inhibitory factor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 7033-6	2.9	38
176	Vancomycin analogs: Seeking improved binding of d-Ala-d-Ala and d-Ala-d-Lac peptides by side-chain and backbone modifications. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5874-86	3.4	13
175	Novel non-active site inhibitor of <i>Cryptosporidium hominis</i> TS-DHFR identified by a virtual screen. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 418-23	2.9	17

174	Vancomycin resistance: modeling backbone variants with D-Ala-D-Ala and D-Ala-D-Lac peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 1236-9	2.9	13
173	Origin of the activity drop with the E50D variant of catalytic antibody 34E4 for Kemp elimination. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 497-504	3.4	22
172	Steric and solvation effects in ionic S(N)2 reactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16162-70	16.4	62
171	Discovery of wild-type and Y181C mutant non-nucleoside HIV-1 reverse transcriptase inhibitors using virtual screening with multiple protein structures. <i>Journal of Chemical Information and Modeling</i> , 2009 , 49, 1272-9	6.1	37
170	Exploiting structural analysis, in silico screening, and serendipity to identify novel inhibitors of drug-resistant falciparum malaria. <i>ACS Chemical Biology</i> , 2009 , 4, 29-40	4.9	48
169	Efficient drug lead discovery and optimization. <i>Accounts of Chemical Research</i> , 2009 , 42, 724-33	24.3	487
168	Discovery of human macrophage migration inhibitory factor (MIF)-CD74 antagonists via virtual screening. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 416-24	8.3	106
167	In Silico Improvement of beta3-peptide inhibitors of p53 x hDM2 and p53 x hDMX. <i>Journal of the American Chemical Society</i> , 2009 , 131, 6356-7	16.4	62
166	Energetics of displacing water molecules from protein binding sites: consequences for ligand optimization. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15403-11	16.4	196
165	Prediction of the water content in protein binding sites. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13337-46	3.46	153
164	Optical rotatory dispersion of 2,3-hexadiene and 2,3-pentadiene. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 2415-22	2.8	40
163	Catalytic mechanism and performance of computationally designed enzymes for Kemp elimination. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15907-15	16.4	80
162	Optimization of azoles as anti-human immunodeficiency virus agents guided by free-energy calculations. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9492-9	16.4	84
161	Perspective on Free-Energy Perturbation Calculations for Chemical Equilibria. <i>Journal of Chemical Theory and Computation</i> , 2008 , 4, 869-876	6.4	226
160	Energetic effects for observed and unobserved HIV-1 reverse transcriptase mutations of residues L100, V106, and Y181 in the presence of nevirapine and efavirenz. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 969-72	2.9	6
159	Performance of B3LYP Density Functional Methods for a Large Set of Organic Molecules. <i>Journal of Chemical Theory and Computation</i> , 2008 , 4, 297-306	6.4	601
158	Understanding Rate Accelerations for Diels-Alder Reactions in Solution Using Enhanced QM/MM Methodology. <i>Journal of Chemical Theory and Computation</i> , 2007 , 3, 1412-9	6.4	70
157	Elucidation of Rate Variations for a Diels-Alder Reaction in Ionic Liquids from QM/MM Simulations. <i>Journal of Chemical Theory and Computation</i> , 2007 , 3, 132-8	6.4	70

156	Computation of Accurate Activation Barriers for Methyl-Transfer Reactions of Sulfonium and Ammonium Salts in Aqueous Solution. <i>Journal of Chemical Theory and Computation</i> , 2007 , 3, 1028-35	6.4	33
155	Why urea eliminates ammonia rather than hydrolyzes in aqueous solution. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 720-30	3.4	75
154	Search for non-nucleoside inhibitors of HIV-1 reverse transcriptase using chemical similarity, molecular docking, and MM-GB/SA scoring. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 2416-28	6.1	61
153	Energy Profiles for Organic Reactions in Solution. <i>Advances in Chemical Physics</i> , 2007 , 469-488		25
152	Polarization Effects for Hydrogen-Bonded Complexes of Substituted Phenols with Water and Chloride Ion. <i>Journal of Chemical Theory and Computation</i> , 2007 , 3, 1987-1992	6.4	63
151	From docking false-positive to active anti-HIV agent. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5324-9	8.3	63
150	Computer-aided design of non-nucleoside inhibitors of HIV-1 reverse transcriptase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 663-7	2.9	107
149	Chapter 14 Solvent Effects on Organic Reactions from QM/MM Simulations. <i>Annual Reports in Computational Chemistry</i> , 2006 , 263-278	1.8	10
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