

Christopher M Hadad

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.

255
papers

8,027
citations

50
h-index

72
g-index

271
ext. papers

8,656
ext. citations

7.2
avg, IF

5.79
L-index

#	Paper	IF	Citations
255	Molecular Docking as a Tool to Examine Organic Cation Sorption to Organic Matter.. <i>Environmental Science & Technology</i> , 2022 , 56, 951-961	10.3	2
254	A computational study of competing conformational selection and induced fit in an abiotic system.. <i>Physical Chemistry Chemical Physics</i> , 2021 , 24, 507-511	3.6	
253	Plasmonically Generated Tryptophan Radical Anion on Gold Nanoparticles Investigated by Combined Surface-Enhanced Raman Scattering and Density Functional Theory Calculations. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27596-27606	3.8	0
252	Robust, Enantioselective Construction of Challenging, Biologically Relevant Tertiary Ether Stereocenters. <i>ACS Catalysis</i> , 2021 , 11, 6325-6333	13.1	3
251	Heat-induced compounds development in processed tomato and their influence on corrosion initiation in metal food cans. <i>Food Science and Nutrition</i> , 2021 , 9, 4134-4145	3.2	
250	Carbonate Alkalinity Enhances Triclosan Photolysis. <i>Aquatic Geochemistry</i> , 2021 , 27, 159-171	1.7	0
249	Cationic Co(I) Catalysts for Regiodivergent Hydroalkenylation of 1,6-Enynes. An Uncommon -C-H Activation Leads to -Selective Coupling of Acrylates. <i>ACS Catalysis</i> , 2021 , 11, 9605-9617	13.1	7
248	From Selection to Instruction and Back: Competing Conformational Selection and Induced Fit Pathways in Abiotic Hosts. <i>Angewandte Chemie</i> , 2021 , 133, 20095-20101	3.6	2
247	From Selection to Instruction and Back: Competing Conformational Selection and Induced Fit Pathways in Abiotic Hosts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19942-19948	16.4	3
246	Alkynyl-Based Covalent Organic Frameworks as High-Performance Anode Materials for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41628-41636	9.5	7
245	Insights on Absolute and Relative Stereocontrol in Stereodivergent Cooperative Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9612-9624	16.4	12
244	Design, synthesis, and evaluation of aza-peptide aldehydes and ketones as novel and selective protease inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 1387-1402	5.6	1
243	[Mo2O2S8]2- Small molecule dimer as a basis for hydrogen evolution reaction (HER) catalyst materials. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	3
242	A Novel, Modified Human Butyrylcholinesterase Catalytically Degrades the Chemical Warfare Nerve Agent, Sarin. <i>Toxicological Sciences</i> , 2020 , 174, 133-146	4.4	3
241	pH-Controlled Chiral Packing and Self-Assembly of a Coumarin Tetrapeptide. <i>Langmuir</i> , 2019 , 35, 12460-12468	4.9	9
240	Hypercoordinate iodine for catalytic asymmetric diamination of styrene: insights into the mechanism, role of solvent, and stereoinduction. <i>Chemical Science</i> , 2019 , 10, 7082-7090	9.4	8
239	Stereo- and Regioselective Synthesis of Molecular Baskets. <i>Journal of Organic Chemistry</i> , 2019 , 84, 4392-4401	4.4	3

238	Resurrection and Reactivation of Acetylcholinesterase and Butyrylcholinesterase. <i>Chemistry - A European Journal</i> , 2019 , 25, 5337-5371	4.8	35
237	Multivalent C-H...Cl/Br-C Interactions Directing the Resolution of Dynamic and Twisted Capsules. <i>Chemistry - A European Journal</i> , 2019 , 25, 13124-13130	4.8	8
236	Twist-Turn-Twist Motif Chaperoned Inside Molecular Baskets. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16600-16604	16.4	11
235	Multivalent C-H...Cl/Br-C Interactions Directing the Resolution of Dynamic and Twisted Capsules. <i>Chemistry - A European Journal</i> , 2019 , 25, 13048-13048	4.8	
234	Cycloaddition Reactions of Azomethine Ylides and 1,3-Dienes on the C-Symmetrical Pentakisadduct of C. <i>Journal of Organic Chemistry</i> , 2018 , 83, 2166-2172	4.2	2
233	Light-activated chemical probing of nucleobase solvent accessibility inside cells. <i>Nature Chemical Biology</i> , 2018 , 14, 276-283	11.7	35
232	Direct Observation of an Alkylidene-carbene by Ultrafast Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6852-6855	2.8	5
231	Demonstration of In Vitro Resurrection of Aged Acetylcholinesterase after Exposure to Organophosphorus Chemical Nerve Agents. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 7034-7042	8.3	15
230	Reactivity of Hydroxyl Radical in Nonaqueous Phases: Addition Reactions. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8326-8335	2.8	3
229	Polymorphism, Crystal Packing, Twinning, and Molecular Conformations in 5'-Halo-5'-deoxyguanosines and a Hydrate of the Pseudohalide Analogue, 5'-Azido-5'-deoxyguanosine. <i>Crystal Growth and Design</i> , 2018 , 18, 6995-7005	3.5	
228	Origin of stereoselectivity in the amination of alcohols using cooperative asymmetric dual catalysis involving chiral counter-ions. <i>Chemical Science</i> , 2018 , 9, 6126-6133	9.4	22
227	Mechanistic investigations into the cyclization and crystallization of benzobisoxazole-linked two-dimensional covalent organic frameworks. <i>Chemical Science</i> , 2018 , 9, 6417-6423	9.4	14
226	Hypercoordinate Iodine Catalysts in Enantioselective Transformation: The Role of Catalyst Folding in Stereoselectivity. <i>ACS Catalysis</i> , 2017 , 7, 4189-4196	13.1	35
225	Study of -Quinone Methide Precursors toward the Realkylation of Aged Acetylcholinesterase. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 622-627	4.3	5
224	Anion-Redox Mechanism of MoO(S)(2,2'-bipyridine) for Electrocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4342-4345	16.4	24
223	Photolysis- and Dissolved Organic Matter-Induced Toxicity of Triclocarban to <i>Daphnia magna</i> . <i>Environmental Science and Technology Letters</i> , 2017 , 4, 457-462	11	6
222	Examining the Scope and Thermodynamics of Assembly in Nesting Complexes Comprising Molecular Baskets and TPA Ligands. <i>Organic Letters</i> , 2017 , 19, 4932-4935	6.2	9
221	Electron Transfer Kinetics of a Series of Bilayer Triphenylamine-Oligothiophene-Berylenemonoimide Sensitizers for Dye-Sensitized NiO. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 20720-20728	3.8	11

220	Improved Flavin-Based Catalytic Photooxidation of Alcohols through Intersystem Crossing Rate Enhancement. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 7294-300	2.8	30
219	Isoproturon Reappearance after Photosensitized Degradation in the Presence of Triplet Ketones or Fulvic Acids. <i>Environmental Science & Technology</i> , 2016 , 50, 12250-12257	10.3	11
218	Russian Nesting Doll Complexes of Molecular Baskets and Zinc Containing TPA Ligands. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8253-8	16.4	20
217	Dimeric FeFe-hydrogenase mimics bearing carboxylic acids: Synthesis and electrochemical investigation. <i>Polyhedron</i> , 2016 , 103, 21-27	2.7	4
216	Efforts toward treatments against aging of organophosphorus-inhibited acetylcholinesterase. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1374, 94-104	6.5	17
215	Pourbaix diagrams in weakly coupled systems: a case study involving acridinol and phenanthridinol pseudobases. <i>Journal of Physical Organic Chemistry</i> , 2016 , 29, 204-208	2.1	6
214	Tunable Molecular MoS ₂ Edge-Site Mimics for Catalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2016 , 55, 3960-6	5.1	39
213	[MoO(S)L] (L = picolinate or pyrimidine-2-carboxylate) Complexes as MoS-Inspired Electrocatalysts for Hydrogen Production in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13726-13731	16.4	30
212	Two-Dimensional Supramolecular Polymers Embodying Large Unilamellar Vesicles in Water. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11312-7	16.4	15
211	Assembly and Folding of Twisted Baskets in Organic Solvents. <i>Organic Letters</i> , 2016 , 18, 4238-41	6.2	5
210	Dual-cavity basket promotes encapsulation in water in an allosteric fashion. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12276-81	16.4	28
209	Gated molecular baskets. <i>Chemical Society Reviews</i> , 2015 , 44, 500-14	58.5	66
208	On the Transfer of Chirality, Thermodynamic Stability, and Folding Characteristics of Stereoisomeric Gated Baskets. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 6832-6840	3.2	5
207	Dimeric [Mo ₂ S ₁₂] ²⁻ Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie</i> , 2015 , 127, 15396-15400	3.6	30
206	Dimeric [Mo ₂ S ₁₂] ⁽²⁻⁾ Cluster: A Molecular Analogue of MoS ₂ Edges for Superior Hydrogen-Evolution Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15181-5	16.4	128
205	Ubiquitous assembly of amphiphilic baskets into unilamellar vesicles and their recognition characteristics. <i>Organic Letters</i> , 2015 , 17, 852-5	6.2	16
204	Trapping of organophosphorus chemical nerve agents in water with amino acid functionalized baskets. <i>Chemistry - A European Journal</i> , 2014 , 20, 4251-6	4.8	39
203	A double-acceptor as a superior organic dye design for p-type DSSCs: high photocurrents and the observed light soaking effect. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 26103-11	3.6	50

202	Mechanistic Studies of Electrode-Assisted Catalytic Oxidation by Flavinium and Acridinium Cations. <i>ACS Catalysis</i> , 2014 , 4, 2635-2644	13.1	13
201	Structure-based optimization of a peptidyl inhibitor against calcineurin-nuclear factor of activated T cell (NFAT) interaction. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 7792-7	8.3	6
200	Concomitant nitrene and carbene insertion accompanying ring expansion: spectroscopic, X-ray, and computational studies. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1199-205	4.2	6
199	Urea-catalyzed N-H insertion-arylation reactions of nitrodiazoesters. <i>Journal of Organic Chemistry</i> , 2014 , 79, 4832-42	4.2	19
198	Recognition characteristics of an adaptive vesicular assembly of amphiphilic baskets for selective detection and mitigation of toxic nerve agents. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17337-42	16.4	31
197	A First-Principles Study of the Role of Quaternary-N Doping on the Oxygen Reduction Reaction Activity and Selectivity of Graphene Edge Sites. <i>Topics in Catalysis</i> , 2013 , 56, 1623-1633	2.3	51
196	Computational Methods for the Study of Carbenes and their Excited States 2013 , 107-130		
195	Assembly of amphiphilic baskets into stimuli-responsive vesicles. Developing a strategy for the detection of organophosphorus chemical nerve agents. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14964-7	16.4	55
194	On the role of guests in enforcing the mechanism of action of gated baskets. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 7667-75	3.9	19
193	Specificity profiling of dual specificity phosphatase vaccinia VH1-related (VHR) reveals two distinct substrate binding modes. <i>Journal of Biological Chemistry</i> , 2013 , 288, 6498-510	5.4	11
192	Mechanistic aspects of ketene formation deduced from femtosecond photolysis of diazocyclohexadienone, o-phenylene thioxocarbonate, and 2-chlorophenol. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2026-32	4.2	21
191	Aminoacyl-tRNA substrate and enzyme backbone atoms contribute to translational quality control by YbaK. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4521-7	3.4	13
190	Birch reductive alkylation of methyl m-(hydroxymethyl)benzoate derivatives and the behavior of o- and p-(hydroxymethyl)benzoates under reductive alkylation conditions. <i>Journal of Organic Chemistry</i> , 2013 , 78, 83-92	4.2	6
189	The entrapment of chiral guests with gated baskets: can a kinetic discrimination of enantiomers be governed through gating?. <i>Chemistry - A European Journal</i> , 2013 , 19, 4767-75	4.8	15
188	Method for the preparation of derivatives of heptiptycene: toward dual-cavity baskets. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2984-91	4.2	7
187	The photochemistry of 4,5-carbomethoxy-1,2,3-thiadiazole: direct observation of thiirene formation and its decay in solution. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 4551-5	2.8	9
186	Toward organic photohydrides: excited-state behavior of 10-methyl-9-phenyl-9,10-dihydroacridine. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15290-6	3.4	15
185	Theory and Computation in the Study of Nitrenes and their Excited-State Photoprecursors 2013 , 33-76		3

184	The prospect of selective recognition of nerve agents with modular basket-like hosts. A structure-activity study of the entrapment of a series of organophosphonates in aqueous media. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3240-9	3.4	21
183	Right- and Left-Handed Helices, What is in between? Interconversion of Helical Structures of Alternating Pyridinedicarboxamide/m-(phenylazo)azobenzene Oligomers. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 5137-49	6.4	8
182	A stereodynamic and redox-switchable encapsulation-complex containing a copper ion held by a tris-quinolonyl basket. <i>Chemical Communications</i> , 2012 , 48, 4429-31	5.8	16
181	Design, preparation, and study of catalytic gated baskets. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2675-88	7.2	22
180	C2 hydroxyl group governs the difference in hydrolysis rates of methyl- β -glycero-D-guloseptanoside and methyl- α -glycero-D-guloseptanoside. <i>Journal of Organic Chemistry</i> , 2012 , 77, 4242-51	4.2	12
179	Electrode-assisted catalytic water oxidation by a flavin derivative. <i>Nature Chemistry</i> , 2012 , 4, 794-801	17.6	130
178	Ultrafast infrared and UV-vis studies of the photochemistry of methoxycarbonylphenyl azides in solution. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 5325-36	2.8	26
177	Mechanistic study of the photochemical hydroxide ion release from 9-hydroxy-10-methyl-9-phenyl-9,10-dihydroacridine. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11301-3	16.4	18
176	Direct observation of a sulfonyl azide excited state and its decay processes by ultrafast time-resolved IR spectroscopy. <i>Journal of the American Chemical Society</i> , 2012 , 134, 7036-44	16.4	33
175	Oxalate Bridged MM Quadruply Bonded Oligomers: Considerations of Electronic Structure and Synthetic Strategies. <i>Journal of Cluster Science</i> , 2012 , 23, 767-780	3	2
174	On the mechanism of action of gated molecular baskets: The synchronicity of the revolving motion of gates and in/out trafficking of guests. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 90-9	2.5	6
173	Charge competition in halogenated hydrocarbons. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 219-229	2.1	9
172	An ultrafast time-resolved infrared and UV-vis spectroscopic and computational study of the photochemistry of acyl azides. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 693-703	2.1	32
171	Spin trapping of hydroperoxyl radical by a cyclic nitron conjugated to -cyclodextrin: a computational study. <i>Theoretical Chemistry Accounts</i> , 2012 , 131, 1	1.9	2
170	Mechanistic Insights into the Hydrolysis of Organophosphorus Compounds by Paraoxonase-1: Exploring the Limits of Substrate Tolerance in a Promiscuous Enzyme. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 1247-1260	2.1	10
169	An acid-catalyzed cyclialkylation that provides rapid access to a twisted molecular basket. <i>Chemistry - A European Journal</i> , 2012 , 18, 8301-5	4.8	4
168	Substrate and enzyme functional groups contribute to translational quality control by bacterial prolyl-tRNA synthetase. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 6991-9	3.4	17
167	Substrate specificity of bacterial prolyl-tRNA synthetase editing domain is controlled by a tunable hydrophobic pocket. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3175-84	5.4	20

166	Photochemistry of 2-naphthoyl azide. An ultrafast time-resolved UV-vis and IR spectroscopic and computational study. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9751-61	16.4	49
165	Bond elongation in the anion radical of coordinated tetrazine ligands: A crystallographic, spectroscopic and computational study of a reduced {Re(CO) ₃ Cl} complex. <i>Inorganica Chimica Acta</i> , 2011 , 374, 620-626	2.7	21
164	Substrate-mediated fidelity mechanism ensures accurate decoding of proline codons. <i>Journal of Biological Chemistry</i> , 2011 , 286, 31810-20	5.4	23
163	Time-resolved resonance Raman and computational investigation of the influence of 4-acetamido and 4-N-methylacetamido substituents on the chemistry of phenylnitrene. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 7521-30	2.8	7
162	Adsorption/Desorption Behavior of Ethanol Steam Reforming Reactants and Intermediates over Supported Cobalt Catalysts. <i>Catalysis Letters</i> , 2011 , 141, 43-54	2.8	60
161	The role of chirality in directing the formation of cup-shaped porphyrins and the coordination characteristics of such hosts. <i>Chemistry - A European Journal</i> , 2011 , 17, 8870-81	4.8	7
160	Controlling dynamic stereoisomerism in transition-metal folded baskets. <i>Chemical Science</i> , 2011 , 2, 752	9.4	10
159	A multidisciplinary approach to probing enthalpy-entropy compensation and the interfacial mobility model. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11515-23	16.4	10
158	Gated molecular recognition and dynamic discrimination of guests. <i>Journal of the American Chemical Society</i> , 2010 , 132, 773-6	16.4	37
157	Mechanism of N(5)-ethyl-flavinium cation formation upon electrochemical oxidation of N(5)-ethyl-4a-hydroxyflavin pseudobase. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9452-61	3.4	14
156	An ab initio study of the ground and excited state chemistry of phenyldiazirine and phenyldiazomethane. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 5902-12	2.8	22
155	Mechanism and stereoselection in a Y-catalyzed transacylation reaction. A computational modeling study. <i>Journal of Organic Chemistry</i> , 2010 , 75, 2369-81	4.2	6
154	A computational exploration of the oxygen reduction reaction over a carbon catalyst containing a phosphinate functional group. <i>Chemical Communications</i> , 2010 , 46, 8621-3	5.8	13
153	Electronic properties of N(5)-ethyl flavinium ion. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12138-47	2.8	22
152	Ultrafast spectroscopy and computational study of the photochemistry of diphenylphosphoryl azide: direct spectroscopic observation of a singlet phosphorylnitrene. <i>Journal of the American Chemical Society</i> , 2010 , 132, 16796-804	16.4	27
151	Reaction profiles of the interaction between sarin and acetylcholinesterase and the S203C mutant: model nucleophiles and QM/MM potential energy surfaces. <i>Chemico-Biological Interactions</i> , 2010 , 187, 220-4	5	12
150	Butyrylcholinesterase and G116H, G116S, G117H, G117N, E197Q and G117H/E197Q mutants: a molecular dynamics study. <i>Chemico-Biological Interactions</i> , 2010 , 187, 241-5	5	13
149	Molecular recognition of a transition state. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4816-9	16.4	17

148	The ability of triplet nitrenes to abstract hydrogen atoms. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 370-375	2.1	17
147	Computational Modeling of Human Paraoxonase 1: Preparation of Protein Models, Binding Studies, and Mechanistic Insights. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 357-369	2.1	17
146	A close inspection of Ag(I) coordination to molecular baskets. A study of solvation and guest encapsulation in solution and the solid state. <i>Tetrahedron</i> , 2009 , 65, 7213-7219	2.4	7
145	Chemical synthesis of two series of nerve agent model compounds and their stereoselective interaction with human acetylcholinesterase and human butyrylcholinesterase. <i>Chemical Research in Toxicology</i> , 2009 , 22, 1669-79	4	35
144	Combustion pathways of the alkylated heteroaromatics: bond dissociation enthalpies and alkyl group fragmentations. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 12370-9	2.8	12
143	Optical spectroscopic studies of mononitrated benzo[a]pyrenes. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 12558-65	2.8	16
142	Study of the S1 excited state of para-methoxy-3-phenyl-3-methyl diazirine by ultrafast time resolved UV-Vis and IR spectroscopies and theory. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13784-90	16.4	30
141	Water-free rare earth-Prussian blue type analogues: synthesis, structure, computational analysis, and magnetic data of {Ln(III)(DMF)(6)Fe(III)(CN)(6)}(infinity) (Ln = rare earths excluding Pm). <i>Inorganic Chemistry</i> , 2009 , 48, 5725-35	5.1	30
140	Electronic properties of 4-substituted naphthalimides. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 6453-648	7.2	72
139	Photoaffinity labeling via nitrenium ion chemistry: protonation of the nitrene derived from 4-amino-3-nitrophenyl azide to afford reactive nitrenium ion pairs. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11535-47	16.4	54
138	Pinpointing the extent of electronic delocalization in the Re(I)-to-tetrazine charge-separated excited state using time-resolved infrared spectroscopy. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11656-7	16.4	29
137	Direct aldol reactions catalyzed by intramolecularly folded prolinamide dendrons: dendrimer effects on stereoselectivity. <i>Chemical Communications</i> , 2009 , 3261-3	5.8	32
136	Photochemical fate of sulfadimethoxine in aquaculture waters. <i>Environmental Science & Technology</i> , 2009 , 43, 8587-92	10.3	112
135	The chemistry of reactive radical intermediates in combustion and the atmosphere. <i>Advances in Physical Organic Chemistry</i> , 2009 , 79-134	0.3	7
134	Hydrolysis of nerve agents by model nucleophiles: a computational study. <i>Chemico-Biological Interactions</i> , 2008 , 175, 200-3	5	14
133	Reactivation of model cholinesterases by oximes and intermediate phosphoximes: a computational study. <i>Chemico-Biological Interactions</i> , 2008 , 175, 187-91	5	4
132	Time-resolved resonance Raman observation of the dimerization of didehydroazepines in solution. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 1502-10	2.8	6
131	Synthesis and characterization of amino derivatives of persistent trityl radicals as dual function pH and oxygen paramagnetic probes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10780-7	16.4	53

130	A computational study of the ground and excited state structure and absorption spectra of free-base N-confused porphine and free-base N-confused tetraphenylporphyrin. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6533-49	2.8	44
129	Stereoselectivity in the epoxidation of carbohydrate-based oxepines. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6341-54	4.2	23
128	Supramolecular catalysis at work: diastereoselective synthesis of a molecular bowl with dynamic inner space. <i>Journal of Organic Chemistry</i> , 2008 , 73, 355-63	4.2	27
127	Encapsulation of guests within a gated molecular basket: thermodynamics and selectivity. <i>Organic Letters</i> , 2008 , 10, 5361-4	6.2	27
126	A 3-fold "butterfly valve" in command of the encapsulation's kinetic stability. Molecular baskets at work. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15127-33	16.4	36
125	Photomodulated chiral induction in helical azobenzene oligomers. <i>Organic Letters</i> , 2008 , 10, 1671-4	6.2	48
124	Molecular encapsulation via metal-to-ligand coordination in a Cu(I)-folded molecular basket. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5100-9	4.2	33
123	[Bis(trispivalatodimolybdenum (II))-Bis(4?-carboxylato-2,2?:6?:2?-terpyridine) Ruthenium (II)] (2+) Tetrafluoroborate. Preparation, Electronic Structure and Physical Properties. <i>Journal of Cluster Science</i> , 2008 , 19, 209-218	3	4
122	Theoretical and experimental studies of the spin trapping of inorganic radicals by 5,5-dimethyl-1-pyrroline N-oxide (DMPO). 2. Carbonate radical anion. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 384-91	2.8	63
121	Competition between alpha-cleavage and energy transfer in alpha-azidoacetophenones. <i>Journal of Organic Chemistry</i> , 2007 , 72, 2757-68	4.2	37
120	Computational study of the Curtius-like rearrangements of phosphoryl, phosphinyl, and phosphinoyl azides and their corresponding nitrenes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9426-38	4.2	26
119	Silver(I) mediated folding of a molecular basket. <i>Organic Letters</i> , 2007 , 9, 2301-4	6.2	20
118	Oxidative dehalogenation of perhalogenated benzenes by cytochrome P450 compound I. <i>Biochemistry</i> , 2007 , 46, 5924-40	3.2	30
117	Reactivity of superoxide radical anion with cyclic nitrones: role of intramolecular H-bond and electrostatic effects. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8177-91	16.4	68
116	Oxidation of oleic acid at air/liquid interfaces. <i>Journal of Geophysical Research</i> , 2007 , 112,		30
115	Large-scale synthesis of a persistent trityl radical for use in biomedical EPR applications and imaging. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 6801-5	2.9	81
114	Surface complexes of phthalic acid at the hematite/water interface. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 124-34	9.3	52
113	Photochemical Electron Transfer Reactions of Tirapazamine. <i>Photochemistry and Photobiology</i> , 2007 , 75, 339-345	3.6	1

112	The Physical and Electronic Structure of M2 Quadruply Bonded Complexes: A Density Functional Theory Study. <i>Journal of Cluster Science</i> , 2007 , 18, 27-49	3	10
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