

Dean J Tantillo

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.

335
papers

9,480
citations

48
h-index

80
g-index

403
ext. papers

10,773
ext. citations

8.1
avg, IF

6.94
L-index

#	Paper	IF	Citations
335	Quantum Chemical Prediction of Electron Ionization Mass Spectra of Trimethylsilylated Metabolites.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
334	Divergent stereochemical outcomes in the insertion of donor/donor carbenes into the C-H bonds of stereogenic centers.. <i>Chemical Science</i> , 2022 , 13, 1030-1036	9.4	1
333	Beyond transition state theory: Non-statistical dynamic effects for organic reactions. <i>Advances in Physical Organic Chemistry</i> , 2021 , 55, 1-16	0.3	2
332	Substituent Effects on the Basicity of Patriscabrin A and Lettucenin A: Evolution Favors the Aromatic?. <i>ACS Omega</i> , 2021 , 6, 29685-29691	3.9	0
331	Structure and Computational Basis for Backbone Rearrangement in Marine Oxasqualenoids. <i>Journal of Organic Chemistry</i> , 2021 , 86, 2437-2446	4.2	1
330	Dynamic Effects in Intramolecular Schmidt Reactions: Entropy, Electrostatic Drag, and Selectivity Prediction. <i>ChemPhysChem</i> , 2021 , 22, 649-656	3.2	1
329	On the Structural Assignments Underlying R. B. Woodward's Most Personal Data That Led to the Woodward-Hoffmann Rules: Subramania Ranganathan's Key Role and Related Research by E. J. Corey and A. G. Hortmann. <i>Chemistry - A European Journal</i> , 2021 , 27, 7000-7016	4.8	4
328	Rational Design of RNA Editing Guide Strands: Cytidine Analogs at the Orphan Position. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6865-6876	16.4	2
327	Trapping a cross-linked lysine-tryptophan radical in the catalytic cycle of the radical SAM enzyme SuiB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
326	Quantum Chemistry Calculations for Metabolomics. <i>Chemical Reviews</i> , 2021 , 121, 5633-5670	68.1	18
325	On the Mechanism of Au-Catalyzed Enynamide-yne Dehydro-Diels-Alder Reactions: An Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2021 , 27, 10637-10648	4.8	2
324	Catalyst-Controlled Regiodivergence in Rearrangements of Indole-Based Onium Ylides. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9016-9025	16.4	12
323	Comparison of (5 + 2) Cycloadditions Involving Oxidopyrylium and Oxidopyridinium Ions: Relative Reactivities. <i>Journal of Organic Chemistry</i> , 2021 , 86, 8652-8659	4.2	0
322	1-BENZYLSPIRO[PIPERIDINE-4,1'-PYRIDO[3,4-b]indole] 'co-potentiators' for minimal function CFTR mutants. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112888	6.8	3
321	Dynamic Effects on Migratory Aptitudes in Carbocation Reactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1088-1097	16.4	3
320	Calculated oxidation potentials predict reactivity in Baeyer-Mills reactions. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 7575-7580	3.9	1
319	Metal Bound or Free Ylides as Reaction Intermediates in Metal-Catalyzed [2,3]-Sigmatropic Rearrangements? It Depends. <i>ACS Catalysis</i> , 2021 , 11, 829-839	13.1	8

318	Dynamic effects on organic reactivity Pathways to (and from) discomfort. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4202	2.1	1
317	Mechanistic Insights into the Formation of the 6,10-Bicyclic Eunicellane Skeleton by the Bacterial Diterpene Synthase Bnd4. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23159-23163	16.4	1
316	Mechanistic Insights into the Formation of the 6,10-Bicyclic Eunicellane Skeleton by the Bacterial Diterpene Synthase Bnd4. <i>Angewandte Chemie</i> , 2021 , 133, 23343	3.6	
315	Drawing Polycyclic Molecules. <i>ACS Omega</i> , 2021 , 6, 23008-23014	3.9	1
314	Effects of Axial Solvent Coordination to Dirhodium Complexes on the Reactivity and Selectivity in C-H Insertion Reactions: A Computational Study. <i>Organometallics</i> , 2021 , 40, 4120-4132	3.8	1
313	Predicting in silico electron ionization mass spectra using quantum chemistry. <i>Journal of Cheminformatics</i> , 2020 , 12, 63	8.6	12
312	Construction of Two-Dimensional Potential Energy Surfaces of Reactions with Post-Transition-State Bifurcations. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 4050-4060	6.4	9
311	Predicting Rearrangement-Competent Terpenoid Oxidation Levels. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6060-6065	16.4	2
310	Second order Jahn-Teller interactions at unusually high molecular orbital energy separations. <i>Dalton Transactions</i> , 2020 , 49, 5175-5182	4.3	9
309	Competitive Reactivity of Tautomers in the Degradation of Organophosphates by Imidazole Derivatives. <i>Chemistry - A European Journal</i> , 2020 , 26, 5017-5026	4.8	5
308	From Decades to Minutes: Steps Toward the Structure of Strychnine 1910-1948 and the Application of Today's Technology. <i>Angewandte Chemie</i> , 2020 , 132, 10790-10809	3.6	1
307	From Decades to Minutes: Steps Toward the Structure of Strychnine 1910-1948 and the Application of Today's Technology. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10702-10721	16.4	2
306	Nonclassical ammonium ions as intermediates in cinchona alkaloid rearrangements?. <i>Chirality</i> , 2020 , 32, 484-488	2.1	1
305	Development of potent inhibitors of the human microsomal epoxide hydrolase. <i>European Journal of Medicinal Chemistry</i> , 2020 , 193, 112206	6.8	2
304	Exploring Terpenoid Biosynthesis With Quantum Chemical Computations 2020 , 644-653		2
303	Insight into the Mechanism of Phenylacetate Decarboxylase (PhdB), a Toluene-Producing Glycyl Radical Enzyme. <i>ChemBioChem</i> , 2020 , 21, 663-671	3.8	6
302	Tipping the balance: theoretical interrogation of divergent extended heterolytic fragmentations. <i>Chemical Science</i> , 2020 , 11, 2231-2242	9.4	9
301	Solvent optimization and conformational flexibility effects on H and C NMR scaling factors. <i>Magnetic Resonance in Chemistry</i> , 2020 , 58, 576-583	2.1	8

300	Enantioselective synthesis of isochromans and tetrahydroisoquinolines by C-H insertion of donor/donor carbenes. <i>Chemical Science</i> , 2020 , 11, 494-498	9.4	19
299	Interrogating chemical mechanisms in natural products biosynthesis using quantum chemical calculations. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2020 , 10, e1453	7.9	1
298	Potential for Ladderane (Bio)synthesis from Oligo-Cyclopropane Precursors. <i>ACS Omega</i> , 2020 , 5, 26134-26140	3.9	0
297	Effects of electrostatic drag on the velocity of hydrogen migration - pre- and post-transition state enthalpy/entropy compensation. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 26955-26960	3.6	0
296	Crystal Structure and Mechanistic Molecular Modeling Studies of Diterpene Cyclase Rv3377c. <i>Biochemistry</i> , 2020 , 59, 4507-4515	3.2	2
295	Bouncing off walls - widths of exit channels from shallow minima can dominate selectivity control. <i>Chemical Science</i> , 2020 , 11, 9937-9944	9.4	4
294	Exploiting the Potential of Meroterpenoid Cyclases to Expand the Chemical Space of Fungal Meroterpenoids. <i>Angewandte Chemie</i> , 2020 , 132, 23980-23989	3.6	7
293	Exploiting the Potential of Meroterpenoid Cyclases to Expand the Chemical Space of Fungal Meroterpenoids. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23772-23781	16.4	17
292	Lessons in Strain and Stability: Enantioselective Synthesis of (+)-[5]-Ladderanoic Acid. <i>Angewandte Chemie</i> , 2020 , 132, 444-449	3.6	8
291	Lessons in Strain and Stability: Enantioselective Synthesis of (+)-[5]-Ladderanoic Acid. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 436-441	16.4	18
290	Ex Vivo Analysis of Tryptophan Metabolism Using F NMR. <i>ACS Chemical Biology</i> , 2019 , 14, 1866-1873	4.9	5
289	Switching on a Nontraditional Enzymatic Base - Deprotonation by Serine in the -Kaurene Synthase from. <i>ACS Catalysis</i> , 2019 , 9, 8867-8871	13.1	7
288	Synthesis of Spirobicyclic Pyrazoles by Intramolecular Dipolar Cycloadditions/[1s, 5s] Sigmatropic Rearrangements. <i>Organic Letters</i> , 2019 , 21, 7209-7212	6.2	7
287	Trapping and Electron Paramagnetic Resonance Characterization of the 5'dAdo Radical in a Radical -Adenosyl Methionine Enzyme Reaction with a Non-Native Substrate. <i>ACS Central Science</i> , 2019 , 5, 1777-1785	16.8	33
286	Pushing the limits of concertedness. A waltz of wandering carbocations. <i>Chemical Science</i> , 2019 , 10, 2159-2170	9.1	11
285	Formal [4 + 2] Cycloadditions of Anhydrides and Unsaturated N-Tosyl Ketimines. <i>Organic Letters</i> , 2019 , 21, 1046-1049	6.2	6
284	Synthesis and Optoelectronic Properties of New Methoxy-Substituted Diketopyrrolopyrrole Polymers. <i>ACS Omega</i> , 2019 , 4, 9427-9433	3.9	6
283	Aqueous reactions of organic triplet excited states with atmospheric alkenes. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 5021-5032	6.8	10

282	Computer-Aided Drug Design for Undergraduates. <i>Journal of Chemical Education</i> , 2019 , 96, 920-925	2.4	10
281	Accessing Multiple Classes of 2 H-Indazoles: Mechanistic Implications for the Cadogan and Davis-Beirut Reactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6247-6253	16.4	18
280	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019 , 36, 35-107	15.1	63
279	Davis-Beirut Reaction: A Photochemical Brønsted Acid Catalyzed Route to <i>o</i> -Aryl 2-Indazoles. <i>Organic Letters</i> , 2019 , 21, 6058-6062	6.2	7
278	A Redox Isomerization Strategy for Accessing Modular Azobenzene Photoswitches with Near Quantitative Bidirectional Photoconversion. <i>Organic Letters</i> , 2019 , 21, 8765-8770	6.2	5
277	Wiggling and Jiggling. <i>American Scientist</i> , 2019 , 107, 22	2.7	3
276	Reconsidering the Structure of Serlyticin-A. <i>Journal of Natural Products</i> , 2019 , 82, 3464-3468	4.9	7
275	Correction to Post-transition state bifurcations gain momentum [Current state of the field] <i>Pure and Applied Chemistry</i> , 2019 , 91, 159-159	2.1	
274	A problem in the structure assignment of acremolin C, which is most probably identical with acremolin B. <i>Natural Product Research</i> , 2019 , 33, 3011-3015	2.3	5
273	Diterpene Synthase-Catalyzed Biosynthesis of Distinct Clerodane Stereoisomers. <i>ChemBioChem</i> , 2019 , 20, 111-117	3.8	5
272	Designing Reactions with Post-Transition-State Bifurcations: Asynchronous Nitrene Insertions into C=C Bonds. <i>Chem</i> , 2019 , 5, 227-236	16.2	15
271	Changing Face: A Key Residue for the Addition of Water by Sclareol Synthase. <i>ACS Catalysis</i> , 2018 , 8, 3133-3137	13.1	9
270	Predicting Productive Binding Modes for Substrates and Carbocation Intermediates in Terpene Synthases-Bornyl Diphosphate Synthase as a Representative Case. <i>ACS Catalysis</i> , 2018 , 8, 3322-3330	13.1	21
269	Prediction of ¹⁹ F NMR Chemical Shifts for Fluorinated Aromatic Compounds. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3220-3225	4.2	16
268	A Maze of Dyotropic Rearrangements and Triple Shifts: Carbocation Rearrangements Connecting Stemarene, Stemodene, Betaerdene, Aphidicolene, and Scopadulanol. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3780-3793	4.2	10
267	Biosynthesis and Conformational Properties of the Irregular Sesquiterpenoids Isothapsadiene and Isothapsenol. <i>Journal of Organic Chemistry</i> , 2018 , 83, 5724-5730	4.2	1
266	Premutilin Synthase: Ring Rearrangement by a Class II Diterpene Cyclase. <i>Organic Letters</i> , 2018 , 20, 12006-1202	12.02	14
265	Synthesis and Structure Revision of Dichrocephones A and B. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2419-2422	16.4	26

264	Synthesis and Structure Revision of Dichrocephones A and B. <i>Angewandte Chemie</i> , 2018 , 130, 2443-2446	3.6	7
263	Coupled Electrocyclization/Prototropic Shift in the Biosynthesis of Crotinsulidane Diterpenoids. <i>Journal of Organic Chemistry</i> , 2018 , 83, 1073-1076	4.2	2
262	Using H and C NMR chemical shifts to determine cyclic peptide conformations: a combined molecular dynamics and quantum mechanics approach. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14003-14012	3.6	18
261	Modeling Organic Reactions [General Approaches, Caveats, and Concerns 2018 , 1-29		3
260	N-N Bond Formation between Primary Amines and Nitrosos: Direct Synthesis of 2-Substituted Indazolones with Mechanistic Insights. <i>Organic Letters</i> , 2018 , 20, 4736-4739	6.2	17
259	Oxidopyrylium-Alkene [5 + 2] Cycloaddition Conjugate Addition Cascade (C) Sequences: Scope, Limitation, and Computational Investigations. <i>Journal of Organic Chemistry</i> , 2018 , 83, 9818-9838	4.2	14
258	Questions in natural products synthesis research that can (and cannot) be answered using computational chemistry. <i>Chemical Society Reviews</i> , 2018 , 47, 7845-7850	58.5	18
257	Diverged Plant Terpene Synthases Reroute the Carbocation Cyclization Path towards the Formation of Unprecedented 6/11/5 and 6/6/7/5 Sesterterpene Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1291-1295	16.4	42
256	Diverged Plant Terpene Synthases Reroute the Carbocation Cyclization Path towards the Formation of Unprecedented 6/11/5 and 6/6/7/5 Sesterterpene Scaffolds. <i>Angewandte Chemie</i> , 2018 , 130, 1305-1309	3.6	16
255	The mechanism of the reaction between an aziridine and carbon dioxide with no added catalyst. <i>Journal of Physical Organic Chemistry</i> , 2018 , 31, e3735	2.1	13
254	Post-transition state bifurcations induce dynamical detours in Pummerer-like reactions. <i>Chemical Science</i> , 2018 , 9, 8937-8945	9.4	29
253	Dynamic Effects on Organic Reactions 2018 ,		1
252	Secondary Carbocations in the Biosynthesis of Pupukeanane Sesquiterpenes. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8058-8061	2.8	5
251	Rearrangement of Hydroxylated Pinene Derivatives to Fenchone-Type Frameworks: Computational Evidence for Dynamically-Controlled Selectivity. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9291-9298	16.4	17
250	Biosynthesis of the microtubule-destabilizing diterpene pseudolaric acid B from golden larch involves an unusual diterpene synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 974-979	11.5	16
249	Is a 1,4-Alkyl Shift Involved in the Biosynthesis of Ledol and Viridiflorol?. <i>Journal of Organic Chemistry</i> , 2017 , 82, 3957-3959	4.2	7
248	Bedeutung der inhärenten Substratreaktivität bei enzymvermittelten Cyclisierungen/Umlagerungen von Carbokationen. <i>Angewandte Chemie</i> , 2017 , 129, 10172-10178	3.6	27
247	Navigating Past a Fork in the Road: Carbocation-Interactions Can Manipulate Dynamic Behavior of Reactions Facing Post-Transition-State Bifurcations. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7485-7493	16.4	36

246	Diastereoselective Base-Catalyzed Formal [4 + 2] Cycloadditions of N-Sulfonyl Imines and Cyclic Anhydrides. <i>Organic Letters</i> , 2017 , 19, 2466-2469	6.2	11
245	Synthesis of Benzodihydrofurans by Asymmetric C-H Insertion Reactions of Donor/Donor Rhodium Carbenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 11843-11855	4.8	33
244	Post-transition state bifurcations gain momentum [Current state of the field]. <i>Pure and Applied Chemistry</i> , 2017 , 89, 679-698	2.1	91
243	Importance of Inherent Substrate Reactivity in Enzyme-Promoted Carbocation Cyclization/Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10040-10045	16.4	93
242	Enantioselective Diels-Alder-lactamization organocascades employing a furan-based diene. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 3179-3183	3.9	12
241	The Variediene-Forming Carbocation Cyclization/Rearrangement Cascade. <i>Australian Journal of Chemistry</i> , 2017 , 70, 362	1.2	8
240	Traversing Biosynthetic Carbocation Landscapes in the Total Synthesis of Andrastin and Terretonin Meroterpenes. <i>Angewandte Chemie</i> , 2017 , 129, 12672-12676	3.6	13
239	Bioinspired synthesis of pentacyclic onocerane triterpenoids. <i>Chemical Science</i> , 2017 , 8, 8285-8290	9.4	9
238	Elucidating Substrate Promiscuity within the FabI Enzyme Family. <i>ACS Chemical Biology</i> , 2017 , 12, 2465-2473	4.9	13
237	Diverting Reactive Intermediates Toward Unusual Chemistry: Unexpected Anthranil Products from Davis-Beirut Reaction. <i>Journal of Organic Chemistry</i> , 2017 , 82, 10875-10882	4.2	9
236	Biomimetic Platinum-Promoted Polyene Polycyclizations: Influence of Alkene Substitution and Pre-cyclization Conformations. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11158-11164	16.4	11
235	Pericyclic or Pseudopericyclic? The Case of an Allylic Transposition in the Synthesis of a Saccharin Derivative. <i>Journal of Chemical Education</i> , 2017 , 94, 988-993	2.4	3
234	Cyclols Revisited: Facile Synthesis of Medium-Sized Cyclic Peptides. <i>Chemistry - A European Journal</i> , 2017 , 23, 13319-13322	4.8	30
233	Traversing Biosynthetic Carbocation Landscapes in the Total Synthesis of Andrastin and Terretonin Meroterpenes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12498-12502	16.4	47
232	Synthesis of Highly Stereodefined Tetrasubstituted Acyclic All-Carbon Olefins via a Syn-Elimination Approach. <i>Organic Letters</i> , 2017 , 19, 6212-6215	6.2	16
231	Systematic Functional Analysis of Active-Site Residues in L-Threonine Dehydrogenase from. <i>ACS Omega</i> , 2017 , 2, 3308-3314	3.9	2
230	Unearthing a sesterterpene biosynthetic repertoire in the Brassicaceae through genome mining reveals convergent evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E6005-E6014	11.5	81
229	Intramolecular Chirality Transfer [2 + 2] Cycloadditions of Allenates and Alkenes. <i>Organic Letters</i> , 2017 , 19, 3703-3706	6.2	24

228	Mechanism of a No-Metal-Added Heterocycloisomerization of Alkynylcyclopropylhydrazones: Synthesis of Cycloheptane-Fused Aminopyrroles Facilitated by Copper Salts at Trace Loadings. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10569-10577	16.4	8
227	Putative biosynthetic cycloadditions en route to the diterpenoid (+)-chatancin. <i>Tetrahedron</i> , 2017 , 73, 4227-4232	2.4	5
226	Stereodivergent, Diels-Alder-initiated organocascades employing π -unsaturated acylammonium salts: scope, mechanism, and application. <i>Chemical Science</i> , 2017 , 8, 1511-1524	9.4	31
225	Cryptic post-transition state bifurcations that reduce the efficiency of lactone-forming Rh-carbenoid C-H insertions. <i>Chemical Science</i> , 2017 , 8, 1442-1449	9.4	51
224	Viability of dodecahedrane-forming radical polycyclizations. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 1976-1979	3.9	4
223	Application of Computational Chemical Shift Prediction Techniques to the Cereosynhydride Structure Problem-Carboxylate Complications. <i>Marine Drugs</i> , 2017 , 15,	6	7
222	The value of safety and practicality: Recommendations for training disabled students in the sciences with a focus on blind and visually impaired students in chemistry laboratories. <i>Journal of Chemical Health and Safety</i> , 2016 , 23, 5-11	1.7	8
221	Does Nature Know Best? Pericyclic Reactions in the Daphniphyllum Alkaloid-Forming Cation Cascade. <i>Organic Letters</i> , 2016 , 18, 4482-4	6.2	12
220	The catalytic effect of the NH ₃ base on the chemical events in the caryolene-forming carbocation cascade. <i>Journal of Computational Chemistry</i> , 2016 , 37, 1068-81	3.5	7
219	When To Let Go-Diradical Intermediates from Zwitterionic Transition State Structures?. <i>Journal of Organic Chemistry</i> , 2016 , 81, 5295-302	4.2	9
218	Toward Structural Correctness: Aquatolide and the Importance of 1D Proton NMR FID Archiving. <i>Journal of Organic Chemistry</i> , 2016 , 81, 878-89	4.2	31
217	Studies toward Australifungin. A Synthesis Dilemma of Regioselective Keto-Enol Tautomerization. <i>Organic Letters</i> , 2016 , 18, 424-7	6.2	6
216	Product Rearrangement from Altering a Single Residue in the Rice syn-Copalyl Diphosphate Synthase. <i>Organic Letters</i> , 2016 , 18, 1060-3	6.2	24
215	Mechanism of Rh ₂ (II)-Catalyzed Indole Formation: The Catalyst Does Not Control Product Selectivity. <i>Journal of the American Chemical Society</i> , 2016 , 138, 487-90	16.4	46
214	Dynamic behavior of rearranging carbocations - implications for terpene biosynthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 377-90	2.5	48
213	Blocking Deprotonation with Retention of Aromaticity in a Plant ent-Copalyl Diphosphate Synthase Leads to Product Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 634-8	16.4	38
212	Synthesis and Utility of Dihydropyridine Boronic Esters. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2205-9	16.4	41
211	Blocking Deprotonation with Retention of Aromaticity in a Plant ent-Copalyl Diphosphate Synthase Leads to Product Rearrangement. <i>Angewandte Chemie</i> , 2016 , 128, 644-648	3.6	9

210	Synthesis and Utility of Dihydropyridine Boronic Esters. <i>Angewandte Chemie</i> , 2016 , 128, 2245-2249	3.6	17
209	Using quantum chemical computations of NMR chemical shifts to assign relative configurations of terpenes from an engineered <i>Streptomyces</i> host. <i>Journal of Antibiotics</i> , 2016 , 69, 534-40	3.7	8
208	Speeding Up Sigmatropic Shifts-To Halve or to Hold. <i>Accounts of Chemical Research</i> , 2016 , 49, 741-9	24.3	25
207	The Importance of Methyl Positioning and Tautomeric Equilibria for Imidazole Nucleophilicity. <i>Chemistry - A European Journal</i> , 2016 , 22, 15521-15528	4.8	10
206	The chemical biology of the persulfide (RSSH)/perthiyl (RSS \cdot) redox couple and possible role in biological redox signaling. <i>Free Radical Biology and Medicine</i> , 2016 , 101, 20-31	7.8	64
205	Decarboxylation Facilitated by Carbocation Formation and Rearrangement during Steam Distillation of Vetiver Oil. <i>Journal of Natural Products</i> , 2016 , 79, 2744-2748	4.9	3
204	Conjugate Addition/[3,3] Sigmatropic Shift Processes for Formation of Medium-Ring Cyclic Amines - Do They Circumvent the Woodward-Hoffmann Rules?. <i>Journal of Organic Chemistry</i> , 2015 , 80, 11699-7054	4.2	5
203	Domino Acylation/Diels-Alder Synthesis of N-Alkyl-octahydroisoquinolin-1-one-8-carboxylic Acids under Low-Solvent Conditions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5260-71	4.2	6
202	Quantum chemical study of the isomerization of 24-methylenecycloartanol, a potential marker of olive oil refining. <i>Journal of Molecular Modeling</i> , 2015 , 21, 111	2	1
201	Delocalization of charge and electron density in the humulyl cation—Implications for terpene biosynthesis. <i>Journal of Organic Chemistry</i> , 2015 , 80, 4046-53	4.2	14
200	Mechanistic studies of copper(I)-catalyzed 1,3-halogen migration. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5346-54	16.4	46
199	Experimental and computational mechanistic investigation of chlorocarbene additions to bridgehead carbene-anti-Bredt systems: noradamantylcarbene-adamantene and adamantylcarbene-homoadamantene. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5049-65	4.2	9
198	Feasibility of intramolecular proton transfers in terpene biosynthesis—guiding principles. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4134-40	16.4	26
197	A detailed analysis of the mechanism of a carbocationic triple shift rearrangement. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9771-9	3.6	22
196	Biomimetic total synthesis of santalin Y. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5079-83	16.4	46
195	Cation-Controlled Enantioselective and Diastereoselective Synthesis of Indolines: An Autoinductive Phase-Transfer Initiated 5-endo-trig Process. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13414-24	16.4	39
194	Tension between Internal and External Modes of Stabilization in Carbocations Relevant to Terpene Biosynthesis: Modulating Minima Depth via C-H \cdots O Interactions. <i>Organic Letters</i> , 2015 , 17, 5388-91	6.2	19
193	Total Synthesis of the Galbulimima Alkaloids Himandravine and GB17 Using Biomimetic Diels-Alder Reactions of Double Diene Precursors. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11197-204	16.4	20

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