

Doug E Frantz

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4554434/doug-e-frantz-publications-by-year.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	6,334 citations	38 h-index	79 g-index
85 ext. papers	7,161 ext. citations	12.1 avg, IF	6.2 L-index

#	Paper	IF	Citations
79	A Metal-Free Reductive N-Alkylation of Indoles with Aldehydes. <i>Organic Letters</i> , 2021 , 23, 3233-3236	6.2	1
78	An -Symmetric 5-Fold Interlocked [2]Catenane. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10267-10272	16.4	27
77	Guest Binding Drives Host Redistribution in Libraries of Co L Cages. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11369-11373	16.4	21
76	Guest Binding Drives Host Redistribution in Libraries of Coll4L4 Cages. <i>Angewandte Chemie</i> , 2020 , 132, 11465-11469	3.6	7
75	Pd- and Ni-Based Systems for the Catalytic Borylation of Aryl (Pseudo)halides with B(OH). <i>Journal of Organic Chemistry</i> , 2020 , 85, 10334-10349	4.2	16
74	Synthesis and Biological Evaluations of Electrophilic Steroids Inspired by the Taccalonolides. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2534-2543	4.3	1
73	Dysregulated ribonucleoprotein granules promote cardiomyopathy in RBM20 gene-edited pigs. <i>Nature Medicine</i> , 2020 , 26, 1788-1800	50.5	16
72	Fluorometric Recognition of Nucleotides within a Water-Soluble Tetrahedral Capsule. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4200-4204	16.4	32
71	Fluorometric Recognition of Nucleotides within a Water-Soluble Tetrahedral Capsule. <i>Angewandte Chemie</i> , 2019 , 131, 4244-4248	3.6	9
70	Multisite Binding of Drugs and Natural Products in an Entropically Favorable, Heteroleptic Receptor. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9087-9095	16.4	38
69	Strategies for binding multiple guests in metalorganic cages. <i>Nature Reviews Chemistry</i> , 2019 , 3, 204-222	34.6	184
68	Metal and Organic Templates Together Control the Size of Covalent Macrocycles and Cages. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12147-12158	16.4	31
67	An Electrophilic Natural Product Provides a Safe and Robust Odor Neutralization Approach To Counteract Malodorous Organosulfur Metabolites Encountered in Skunk Spray. <i>Journal of Natural Products</i> , 2019 , 82, 1989-1999	4.9	0
66	A giant ML metallo-organic helicate based on phthalocyanines as a host for electroactive molecules. <i>Chemical Communications</i> , 2018 , 54, 2651-2654	5.8	18
65	Quantified structural speciation in self-sorted Coll6L cage systems. <i>Chemical Science</i> , 2018 , 9, 1925-1930	9.4	24
64	Otherwise Unstable Structures Self-Assemble in the Cavities of Cuboctahedral Coordination Cages. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11502-11509	16.4	33
63	Direct Lewis Acid Catalyzed Conversion of Enantioenriched N-Acyloxazolidinones to Chiral Esters, Amides, and Acids. <i>Journal of Organic Chemistry</i> , 2018 , 83, 14245-14261	4.2	18

62	Cationic Alkynyl Heck Reaction toward Substituted Allenes Using BobCat: A New Hybrid Pd(0)-Catalyst Incorporating a Water-Soluble dba Ligand. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17428-17432	16.4	14
61	Ru(II)-Catalyzed Synthesis of Substituted Furans and Their Conversion to Butenolides. <i>Organic Letters</i> , 2018 , 20, 5886-5888	6.2	15
60	Functional Capsules via Subcomponent Self-Assembly. <i>Accounts of Chemical Research</i> , 2018 , 51, 2423-2434	16.3	248
59	Directed Phase Transfer of an FeL Cage and Encapsulated Cargo. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2176-2179	16.4	39
58	Unified Approach to Substituted Allenolates via Pd-Catalyzed β -Hydride Elimination of (E)-Enol Triflates. <i>Organic Letters</i> , 2017 , 19, 5446-5449	6.2	7
57	Palladium-Catalyzed Synthesis of Alkynes via a Tandem Decarboxylation/Elimination of (E)-Enol Triflates. <i>Organic Letters</i> , 2016 , 18, 3937-9	6.2	1
56	Peripheral Templatation Generates an M(II) 6 L4 Guest-Binding Capsule. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7958-62	16.4	59
55	Iron-Catalyzed Stereoselective Cross-Coupling Reactions of Stereodefined Enol Carbamates with Grignard Reagents. <i>Angewandte Chemie</i> , 2016 , 128, 6801-6805	3.6	11
54	Iron-Catalyzed Stereoselective Cross-Coupling Reactions of Stereodefined Enol Carbamates with Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6689-93	16.4	38
53	Innenteilbild: Peripheral Templatation Generates an M(II) 6 L4 Guest-Binding Capsule (Angew. Chem. 28/2016). <i>Angewandte Chemie</i> , 2016 , 128, 7996-7996	3.6	
52	Peripheral Templatation Generates an M(II) 6 L4 Guest-Binding Capsule. <i>Angewandte Chemie</i> , 2016 , 128, 8090-8094	16.4	20
51	Designed enclosure enables guest binding within the 4200 Å cavity of a self-assembled cube. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5636-40	16.4	67
50	Recent applications of chiral allenenes in axial-to-central chirality transfer reactions. <i>Tetrahedron</i> , 2015 , 71, 7-18	2.4	76
49	Molecular containers in complex chemical systems. <i>Chemical Society Reviews</i> , 2015 , 44, 419-32	58.5	470
48	Designed Enclosure Enables Guest Binding Within the 4200 Å Cavity of a Self-Assembled Cube. <i>Angewandte Chemie</i> , 2015 , 127, 5728-5732	3.6	28
47	Development of an ex vivo lymph node explant model for identification of novel molecules active against Leishmania major. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 78-87	5.9	16
46	Selective encapsulation and sequential release of guests within a self-sorting mixture of three tetrahedral cages. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4556-60	16.4	76
45	Recent Advances in the Catalytic Syntheses of Allenenes: A Critical Assessment. <i>ACS Catalysis</i> , 2014 , 4, 519-528	16.4	194

44	Two distinct allosteric active sites regulate guest binding within a Fe ^{II} Mo ^{VI} cubic receptor. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7038-43	16.4	52
43	Selective Encapsulation and Sequential Release of Guests Within a Self-Sorting Mixture of Three Tetrahedral Cages. <i>Angewandte Chemie</i> , 2014 , 126, 4644-4648	3.6	21
42	Enantiopure water-soluble [Fe ₄ L ₆] cages: host-guest chemistry and catalytic activity. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7958-62	16.4	172
41	Development of inhibitors of the PAS-B domain of the HIF-2 α transcription factor. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1739-47	8.3	79
40	The bat flower: a source of microtubule-destabilizing and -stabilizing compounds with synergistic antiproliferative actions. <i>Journal of Natural Products</i> , 2013 , 76, 1923-9	4.9	17
39	Genetic and molecular basis of drug resistance and species-specific drug action in schistosome parasites. <i>Science</i> , 2013 , 342, 1385-9	33.3	104
38	Allosteric inhibition of hypoxia inducible factor-2 with small molecules. <i>Nature Chemical Biology</i> , 2013 , 9, 271-6	11.7	196
37	Pd-catalyzed asymmetric hydride elimination en route to chiral allenes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4970-3	16.4	102
36	Enantiomerenreine wasserlösliche [Fe ₄ L ₆]-Käfigverbindungen: Wirt-Gast-Chemie und katalytische Aktivität. <i>Angewandte Chemie</i> , 2013 , 125, 8116-8120	3.6	49
35	Targeting native adult heart progenitors with cardiogenic small molecules. <i>ACS Chemical Biology</i> , 2012 , 7, 1067-76	4.9	36
34	Regulated expression of pH sensing G Protein-coupled receptor-68 identified through chemical biology defines a new drug target for ischemic heart disease. <i>ACS Chemical Biology</i> , 2012 , 7, 1077-83	4.9	43
33	Synchronized aromaticity as an enthalpic driving force for the aromatic Cope rearrangement. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16139-42	16.4	22
32	Subcomponent self-assembly and guest-binding properties of face-capped Fe ₄ L ₄ (8+) capsules. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5110-9	16.4	149
31	Guanidinium Binding Modulates Guest Exchange within an [M ₄ L ₆] Capsule. <i>Angewandte Chemie</i> , 2012 , 124, 6988-6991	3.6	13
30	Guanidinium binding modulates guest exchange within an [M ₄ L ₆] capsule. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6882-5	16.4	50
29	Small-molecule blocks malignant astrocyte proliferation and induces neuronal gene expression. <i>Differentiation</i> , 2011 , 81, 233-42	3.5	26
28	Palladium-Catalyzed Elimination/Isomerization of Enol Triflates into 1,3-Dienes. <i>Angewandte Chemie</i> , 2011 , 123, 6252-6256	3.6	11
27	Palladium-catalyzed elimination/isomerization of enol triflates into 1,3-dienes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 6128-32	16.4	38

26	Synthesis of substituted pyrazoles via tandem cross-coupling/electrocyclization of enol triflates and diazoacetates. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5915-23	4.2	65
25	Evelynin, a cytotoxic benzoquinone-type Retro-dihydrochalcone from <i>Tacca chantrieri</i> . <i>Journal of Natural Products</i> , 2010 , 73, 1590-2	4.9	19
24	An alternative polyamine biosynthetic pathway is widespread in bacteria and essential for biofilm formation in <i>Vibrio cholerae</i> . <i>Journal of Biological Chemistry</i> , 2009 , 284, 9899-907	5.4	128
23	Process Development of a Potent Bradykinin 1 Antagonist. <i>Organic Process Research and Development</i> , 2009 , 13, 519-524	3.9	27
22	White phosphorus is air-stable within a self-assembled tetrahedral capsule. <i>Science</i> , 2009 , 324, 1697-9	33.3	851
21	Small-molecule activation of neuronal cell fate. <i>Nature Chemical Biology</i> , 2008 , 4, 408-10	11.7	118
20	Stereoselective synthesis of acetoacetate-derived enol triflates. <i>Organic Letters</i> , 2008 , 10, 2901-4	6.2	58
19	Cardiogenic small molecules that enhance myocardial repair by stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 6063-8	11.5	102
18	Substitution effect on the regioselective halogen/metal exchange of 3-substituted 1,2,5-tribromobenzenes. <i>Tetrahedron Letters</i> , 2008 , 49, 415-418	2	8
17	High-throughput screen for small molecule inhibitors of Mint1-PDZ domains. <i>Assay and Drug Development Technologies</i> , 2007 , 5, 769-83	2.1	21
16	An improved method for the bromination of metalated haloarenes via lithium, zinc transmetalation: a convenient synthesis of 1,2-dibromoarenes. <i>Journal of Organic Chemistry</i> , 2006 , 71, 2188-91	4.2	44
15	Infrared spectroscopic investigations on the metallation of terminal alkynes by Zn(OTf) ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5843-5	11.5	62
14	Synthesis of substituted imidazoles via organocatalysis. <i>Organic Letters</i> , 2004 , 6, 843-6	6.2	143
13	Stereoselective synthesis of a potent thrombin inhibitor by a novel P2-P3 lactone ring opening. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3620-7	4.2	46
12	First synthesis of optically pure propargylic N-hydroxylamines by direct, highly diastereoselective addition of terminal alkynes to nitrones. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3054-6	16.4	110
11	Practical synthesis of aryl triflates under aqueous conditions. <i>Organic Letters</i> , 2002 , 4, 4717-8	6.2	55
10	Efficient enantioselective additions of terminal alkynes and aldehydes under operationally convenient conditions. <i>Organic Letters</i> , 2002 , 4, 2605-6	6.2	226
9	Practical routes toward the synthesis of 2-halo- and 2-alkylamino-4-pyridinecarboxaldehydes. <i>Tetrahedron Letters</i> , 2001 , 42, 6815-6818	2	15

8	Synthesis of alpha-amido ketones via organic catalysis: thiazolium-catalyzed cross-coupling of aldehydes with acylimines. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9696-7	16.4	172
7	Synthesis of 2,3-dihydroisoxazoles from propargylic N-hydroxylamines via Zn(II)-catalyzed ring-closure reaction. <i>Organic Letters</i> , 2000 , 2, 2331-3	6.2	88
6	Facile Enantioselective Synthesis of Propargylic Alcohols by Direct Addition of Terminal Alkynes to Aldehydes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1806-1807	16.4	523
5	Isotope Effects and the Mechanism of Chlorotrimethylsilane-Mediated Addition of Cuprates to Enones. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3288-3295	16.4	59
4	Catalytic in Situ Generation of Zn(II)-Alkynilides under Mild Conditions: A Novel CN Addition Process Utilizing Terminal Acetylenes. <i>Journal of the American Chemical Society</i> , 1999 , 121, 11245-11246	16.4	207
3	Carbometalations of simple alkenes with allyldibromoborane. <i>Organic Letters</i> , 1999 , 1, 485-6	6.2	12
2	¹³ C Kinetic Isotope Effects for the Addition of Lithium Dibutylcuprate to Cyclohexenone. Reductive Elimination Is Rate-Determining. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3383-3384	16.4	95
1	Allylboration of Alkenes with Allyldihaloboranes. <i>Journal of the American Chemical Society</i> , 1996 , 118, 9986-9987	16.4	29