

Aaron D Finke

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,386
citations

304743

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37
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all docs

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docs citations

46
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Restoration of Conductivity with TTFâ€“CNQ Chargeâ€“Transfer Salts. <i>Advanced Functional Materials</i> , 2010, 20, 1721-1727.	14.9	127
2	Electron Acceptors Based on Functionalizable Cyclopenta[<i>h</i>]aceanthrylenes and Dicyclopenta[<i>de,mn</i>]tetracenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 15783-15789.	13.7	125
3	EIGER detector: application in macromolecular crystallography. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1036-1048.	2.3	114
4	An enantioselective artificial Suzukiase based on the biotinâ€“streptavidin technology. <i>Chemical Science</i> , 2016, 7, 673-677.	7.4	86
5	Zinc Chloride-Promoted Aryl Bromideâ€“Alkyne Cross-Coupling Reactions at Room Temperature. <i>Journal of Organic Chemistry</i> , 2009, 74, 8897-8900.	3.2	79
6	Engineering Solid-State Morphologies in Carbazoleâ€“Ethyne Macrocycles. <i>Journal of the American Chemical Society</i> , 2011, 133, 14063-14070.	13.7	68
7	Stabilizing Pentacene By Cyclopentannulation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15762-15766.	13.8	68
8	6,6-Dicyanopentafulvenes: Electronic Structure and Regioselectivity in [2 + 2] Cycloadditionâ€“Retroelectrocyclization Reactions. <i>Journal of the American Chemical Society</i> , 2012, 134, 18139-18146.	13.7	51
9	Pentaindenocorannulene: Properties, Assemblies, and C ₆₀ Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14648-14652.	13.8	44
10	Data-collection strategy for challenging native SAD phasing. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 421-429.	2.3	42
11	Contorted aromatics via a palladium-catalyzed cyclopentannulation strategy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3963-3969.	5.5	41
12	Synthesis of Hyperbranched Poly(<i>m</i> -phenylene)s via Suzuki Polycondensation of a Branched AB ₂ Monomer. <i>Macromolecules</i> , 2010, 43, 9277-9282.	4.8	38
13	Synthesis of Cyanoâ€“Substituted Diaryltetracenes from Tetraaryl[3]cumulenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4341-4345.	13.8	38
14	Iterative Synthesis of 1,3,5-Polyphenylene Dendrons via Câ€“H Activation. <i>Organic Letters</i> , 2008, 10, 4851-4854.	4.6	37
15	Lewis acid activation of molybdenum nitrides for alkyne metathesis. <i>Chemical Communications</i> , 2010, 46, 7939.	4.1	33
16	The [2 + 2] Cycloadditionâ€“Retroelectrocyclization and [4 + 2] Hetero-Dielsâ€“Alder Reactions of 2-(Dicyanomethylene)indan-1,3-dione with Electron-Rich Alkynes: Influence of Lewis Acids on Reactivity. <i>Organic Letters</i> , 2015, 17, 3506-3509.	4.6	33
17	Pushâ€“Pull Buta-1,2,3-trienes: Exceptionally Low Rotational Barriers of Cumulenic C=C Bonds and Proacetylenic Reactivity. <i>Chemistry - A European Journal</i> , 2015, 21, 6215-6225.	3.3	26
18	Design and Synthesis of Aviramâ€“Ratnerâ€“Type Dyads and Rectification Studies in Langmuirâ€“Blodgett (LB) Films. <i>Chemistry - A European Journal</i> , 2016, 22, 10539-10547.	3.3	26

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19	Fixed-target serial oscillation crystallography at room temperature. <i>IUCr</i> , 2019, 6, 305-316.	2.2	26
20	One-Pot Access to Push-Pull Oligoenes by Sequential [2 + 2] Cycloaddition-Retroelectrocyclization Reactions. <i>Journal of Organic Chemistry</i> , 2014, 79, 426-431.	3.2	25
21	6,6-Dicyanopentafulvenes: Teaching an Old Dog New Tricks. <i>Chemical Record</i> , 2015, 15, 19-30.	5.8	24
22	Anilino-Substituted Multicyanobuta-1,3-diene Electron Acceptors: TICT Molecules with Accessible Conical Intersections. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10677-10683.	2.5	21
23	New insights into the molecular mechanisms of glutaminase C inhibitors in cancer cells using serial room temperature crystallography. <i>Journal of Biological Chemistry</i> , 2022, 298, 101535.	3.4	21
24	All-optical switching with 1-ps response time in a DDMEBT enabled silicon grating coupler/resonator hybrid device. <i>Optics Express</i> , 2014, 22, 24530.	3.4	17
25	Making routine native SAD a reality: lessons from beamline X06DA at the Swiss Light Source. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 262-271.	2.3	17
26	A Mild, Thermal Pentafulvene-Benzene Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9827-9830.	13.8	15
27	New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. <i>Tetrahedron</i> , 2015, 71, 4393-4399.	1.9	13
28	The 6,6-Dicyanopentafulvene Core: A Template for the Design of Electron-Acceptor Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 8168-8176.	3.3	13
29	Tridecacyclene: A Cyclic Tetramer of Acenaphthylene. <i>Chemistry - A European Journal</i> , 2016, 22, 4709-4712.	3.3	12
30	Advanced Crystallographic Data Collection Protocols for Experimental Phasing. <i>Methods in Molecular Biology</i> , 2016, 1320, 175-191.	0.9	12
31	Integrated sample-handling and mounting system for fixed-target serial synchrotron crystallography. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 628-644.	2.3	12
32	Unconventional Synthesis of a Cu ^I Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2018, 24, 10422-10433.	3.3	9
33	Enhancement of Push-Pull Properties of Pentafulvene and Pentafulvalene Derivatives by Protonation at Carbon. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 739-749.	2.4	7
34	The reductive aromatization of tridecacyclene. <i>Chemical Communications</i> , 2016, 52, 12368-12371.	4.1	5
35	Crystal structures of three complexes of zinc chloride with tri-tert-butylphosphane. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 35-39.	0.5	4
36	Charge-Transfer Salts of 6,6-Dicyanopentafulvenes: From Topology to Charge Separation in Solution. <i>Chemistry - A European Journal</i> , 2018, 24, 13616-13623.	3.3	1

#	ARTICLE	IF	CITATIONS
37	1-Bromomethyl-4-aza-1-azoniabicyclo[2.2.2]octane bromide. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o377-o377.	0.2	1