

Matthew R Aronoff

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

542
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840119

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all docs

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15
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Diazo Compounds: Versatile Tools for Chemical Biology. <i>ACS Chemical Biology</i> , 2016, 11, 3233-3244.	1.6	164
2	Diazo Groups Endure Metabolism and Enable Chemoselectivity in Cellulo. <i>Journal of the American Chemical Society</i> , 2015, 137, 2412-2415.	6.6	69
3	1,3-Dipolar Cycloadditions of Diazo Compounds in the Presence of Azides. <i>Organic Letters</i> , 2016, 18, 1538-1541.	2.4	59
4	Oligoprolines as Molecular Entities for Controlling Distance in Biological and Material Sciences. <i>Accounts of Chemical Research</i> , 2017, 50, 2420-2428.	7.6	49
5	β-Azaproline Confers pH-Responsive and Functionalizability on Collagen Triple Helices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3143-3146.	7.2	36
6	Imaging and targeting LOX-mediated tissue remodeling with a reactive collagen peptide. <i>Nature Chemical Biology</i> , 2021, 17, 865-871.	3.9	29
7	Detection of Boronic Acids through Excited-State Intramolecular Proton-Transfer Fluorescence. <i>Organic Letters</i> , 2013, 15, 5382-5385.	2.4	25
8	Decreasing Distortion Energies without Strain: Diazo-Selective 1,3-Dipolar Cycloadditions. <i>Journal of Organic Chemistry</i> , 2016, 81, 5998-6006.	1.7	25
9	1,3-Dipolar Cycloaddition with Diazo Groups: Noncovalent Interactions Overwhelm Strain. <i>Organic Letters</i> , 2016, 18, 4466-4469.	2.4	23
10	Concise, protecting group free total syntheses of (+)-sattabacin and (+)-4-hydroxysattabacin. <i>Tetrahedron Letters</i> , 2010, 51, 6375-6377.	0.7	16
11	Rapid cycloaddition of a diazo group with an unstrained dipolarophile. <i>Tetrahedron Letters</i> , 2016, 57, 2347-2350.	0.7	15
12	Alkylation of β-Azaproline Creates Conformationally Adaptable Proline Derivatives for pH-Responsive Collagen Triple Helices. <i>Chemistry - A European Journal</i> , 2020, 26, 5070-5074.	1.7	11
13	A divalent protecting group for benzoxaboroles. <i>RSC Advances</i> , 2013, 3, 21331.	1.7	8
14	Recent Advances in Bioorthogonal Reactions. <i>Chimia</i> , 2019, 73, 308.	0.3	7
15	β-Azaproline Confers pH-Responsive and Functionalizability on Collagen Triple Helices. <i>Angewandte Chemie</i> , 2019, 131, 3175-3178.	1.6	6