

Laurence Burroughs

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

334
citations

933447

10
h-index

839539

18
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26
all docs

26
docs citations

26
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Cost and Sustainable Organic Thermoelectrics Based on Low-Dimensional Molecular Metals. <i>Advanced Materials</i> , 2017, 29, 1605682.	21.0	50
2	Efficient asymmetric organocatalytic formation of erythrose and threose under aqueous conditions. <i>Chemical Communications</i> , 2010, 46, 4776.	4.1	35
3	The Asymmetric Maitland-Japp Reaction and Its Application to the Construction of the C1-C19 Bis-pyran Unit of Phorboxazole B. <i>Organic Letters</i> , 2011, 13, 624-627.	4.6	32
4	Discovery of (meth)acrylate polymers that resist colonization by fungi associated with pathogenesis and biodeterioration. <i>Science Advances</i> , 2020, 6, eaba6574.	10.3	29
5	Asymmetric organocatalytic formation of protected and unprotected tetroses under potentially prebiotic conditions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1565.	2.8	28
6	Multifunctional Bioinspired 3D Architectures to Modulate Cellular Behavior. <i>Advanced Functional Materials</i> , 2019, 29, 1902016.	14.9	25
7	Polymer Microparticles with Defined Surface Chemistry and Topography Mediate the Formation of Stem Cell Aggregates and Cardiomyocyte Function. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34560-34574.	8.0	25
8	Development of dual anti-biofilm and anti-bacterial medical devices. <i>Biomaterials Science</i> , 2020, 8, 3926-3934.	5.4	19
9	Synthesis of Methacrylate-Terminated Block Copolymers with Reduced Transesterification by Controlled Ring-Opening Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800459.	2.2	16
10	Straightforward Synthesis of 2- and 2,8-Substituted Tetracenes. <i>Chemistry - A European Journal</i> , 2017, 23, 7819-7824.	3.3	12
11	One-Pot Cannizzaro Cascade Synthesis of ortho-Fused Cycloocta-2,5-dien-1-ones from 2-Bromo(hetero)aryl Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10648-10651.	13.8	10
12	Anionic sigmatropic-electrocyclic-Chugaev cascades: accessing 12-aryl-5-(methylthiocarbonylthio)tetracenes and a related anthra[2,3-b]thiophene. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 273-279.	2.2	9
13	Discovery of a Novel Polymer for Xeno-Free, Long-Term Culture of Human Pluripotent Stem Cell Expansion. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001448.	7.6	8
14	Single-Cell Tracking on Polymer Microarrays Reveals the Impact of Surface Chemistry on <i>Pseudomonas aeruginosa</i> Twitching Speed and Biofilm Development. <i>ACS Applied Bio Materials</i> , 2020, 3, 8471-8480.	4.6	6
15	Bespoke 3D-Printed Polydrug Implants Created via Microstructural Control of Oligomers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38969-38978.	8.0	6
16	Nucleoside-Based Self-Assembling Drugs for Localized Drug Delivery. <i>ChemMedChem</i> , 2018, 13, 1098-1101.	3.2	5
17	Polymer microarrays rapidly identify competitive adsorbents of virus-like particles. <i>Biointerphases</i> , 2020, 15, 061005.	1.6	5
18	Diversification of ortho-Fused Cycloocta-2,5-dien-1-one Cores and Eight- to Six-Ring Conversion by C-C Bond C-Cleavage. <i>Chemistry - A European Journal</i> , 2016, 22, 12542-12547.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Efficient Preparation of TMS CCl_2 Br and Its Use in Dichlorocyclopropanation of Electron-Deficient Alkenes. <i>Chemistry - A European Journal</i> , 2016, 22, 7609-7616.	3.3	4
20	Understanding anionic Chugaev elimination in pericyclic tetracene formation. <i>Tetrahedron</i> , 2016, 72, 1686-1689.	1.9	3