

Lauren A Mitchell

List of Publications by Year in descending order

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45
papers

2,325
citations

257450

24
h-index

254184

43
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47
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47
docs citations

47
times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	5-(4-Azidofurazan-3-yl)-1-hydroxytetrazole and its derivatives: from green primary to secondary explosives. <i>New Journal of Chemistry</i> , 2019, 43, 12684-12689.	2.8	22
2	A Halogen-Free Green High Energy Density Oxidizer from HFOX. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3142-3145.	2.4	10
3	Dual-catalytic decarbonylation of fatty acid methyl esters to form olefins. <i>Chemical Communications</i> , 2018, 54, 7669-7672.	4.1	12
4	Azido and Tetrazolo 1,2,4,5-Tetrazine N-Oxides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3575-3578.	13.8	126
5	Azido and Tetrazolo 1,2,4,5-Tetrazine N-Oxides. <i>Angewandte Chemie</i> , 2017, 129, 3629-3632.	2.0	19
6	Ammonia Oxide as a Building Block for High Performance and Insensitive Energetic Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5894-5898.	13.8	35
7	Ammonia Oxide as a Building Block for High Performance and Insensitive Energetic Materials. <i>Angewandte Chemie</i> , 2017, 129, 5988-5992.	2.0	8
8	Why So Slow? Mechanistic Insights from Studies of a Poor Catalyst for Polymerization of μ -Caprolactone. <i>Inorganic Chemistry</i> , 2017, 56, 725-728.	4.0	20
9	Comparative Study of Various Pyrazole-based Anions: A Promising Family of Ionic Derivatives as Insensitive Energetic Materials. <i>Chemistry - an Asian Journal</i> , 2017, 12, 378-384.	3.3	35
10	Mechanistic Insights into the Alternating Copolymerization of Epoxides and Cyclic Anhydrides Using a (Salph)AlCl and Iminium Salt Catalytic System. <i>Journal of the American Chemical Society</i> , 2017, 139, 15222-15231.	13.7	125
11	Energetic Trinitro- and Fluorodinitroethyl Ethers of 1,2,4,5-Tetrazines. <i>Angewandte Chemie</i> , 2016, 128, 8808-8811.	2.0	17
12	Energetic Trinitro- and Fluorodinitroethyl Ethers of 1,2,4,5-Tetrazines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8666-8669.	13.8	74
13	Syntheses and Promising Properties of Dense Energetic 5,5-Dinitramino-3,3-diazo-1,2,4-oxadiazole and Its Salts. <i>Angewandte Chemie</i> , 2016, 128, 3252-3255.	2.0	22
14	Syntheses and Promising Properties of Dense Energetic 5,5-Dinitramino-3,3-diazo-1,2,4-oxadiazole and Its Salts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3200-3203.	13.8	75
15	Potassium 4,4-Bis(dinitromethyl)-3,3-diazofurazanate: A Highly Energetic 3D Metal-Organic Framework as a Promising Primary Explosive. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5565-5567.	13.8	152
16	Mono- and diiodo-1,2,3-triazoles and their mono nitro derivatives. <i>Dalton Transactions</i> , 2016, 45, 9684-9688.	3.3	20
17	Connecting energetic nitropyrazole and aminotetrazole moieties with N,N'-ethylene bridges: A promising approach for fine tuning energetic properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9220-9228.	10.3	54
18	<i>i>N</i>-Oxides light up energetic performances: synthesis and characterization of dinitraminobisfuroxans and their salts. <i>Journal of Materials Chemistry A</i>, 2016, 4, 8969-8973.</i>	10.3	72

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19	From FOX-7 to H-FOX to insensitive energetic materials with hypergolic properties. <i>Chemical Communications</i> , 2016, 52, 7668-7671.	4.1	17
20	Enhanced Luminance of Electrochemical Cells with a Rationally Designed Ionic Iridium Complex and an Ionic Additive. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8888-8892.	8.0	54
21	N-functionalized nitroxy/azido fused-ring azoles as high-performance energetic materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7430-7436.	10.3	55
22	Bridged bisnitramide-substituted furazan-based energetic materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16961-16967.	10.3	44
23	Electrophilic iodination: a gateway to high iodine compounds and energetic materials. <i>Dalton Transactions</i> , 2016, 45, 13827-13833.	3.3	25
24	3,6-Dinitropyrazolo[4,3-c]pyrazole-Based Multipurpose Energetic Materials through Versatile N-Functionalization Strategies. <i>Angewandte Chemie</i> , 2016, 128, 13087-13089.	2.0	20
25	3,6-Dinitropyrazolo[4,3-c]pyrazole-Based Multipurpose Energetic Materials through Versatile N-Functionalization Strategies. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12895-12897.	13.8	96
26	Polymeric Materials for the Separation of f-Elements Utilizing Carbamoylmethylphosphine Oxide Chelating Ligands. <i>ACS Macro Letters</i> , 2016, 5, 1100-1103.	4.8	24
27	Small Cation-Based High-Performance Energetic Nitraminofurazanates. <i>Chemistry - A European Journal</i> , 2016, 22, 11846-11853.	3.3	33
28	Energetic N-Nitramino-N-Oxyl-Functionalized Pyrazoles with Versatile π - π Stacking: Structure-Property Relationships of High-Performance Energetic Materials. <i>Angewandte Chemie</i> , 2016, 128, 14621-14623.	2.0	16
29	Energetic N-Nitramino-N-Oxyl-Functionalized Pyrazoles with Versatile π - π Stacking: Structure-Property Relationships of High-Performance Energetic Materials. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14409-14411.	13.8	70
30	Enhancing Energetic Properties and Sensitivity by Incorporating Amino and Nitramino Groups into a 1,2,4-Oxadiazole Building Block. <i>Angewandte Chemie</i> , 2016, 128, 1159-1162.	2.0	18
31	Asymmetric N,N'-ethylene-bridged azole-based compounds: Two way control of the energetic properties of compounds. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9931-9940.	10.3	47
32	Energetic Salts Based on 3,5-Bis(dinitromethyl)-1,2,4-triazole Monoanion and Dianion: Controllable Preparation, Characterization, and High Performance. <i>Journal of the American Chemical Society</i> , 2016, 138, 7500-7503.	13.7	167
33	Energetic aminated-azole assemblies from intramolecular and intermolecular N-H \cdots O and N-H \cdots N hydrogen bonds. <i>Chemical Communications</i> , 2016, 52, 8123-8126.	4.1	60
34	Enhancing Energetic Properties and Sensitivity by Incorporating Amino and Nitramino Groups into a 1,2,4-Oxadiazole Building Block. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1147-1150.	13.8	58
35	C-N bonded energetic biheterocyclic compounds with good detonation performance and high thermal stability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3879-3885.	10.3	51
36	Incorporation of Thieno[3,2-b]thiophene Moieties as Novel Electropolymerizable Groups in a Conducting Metallopolymer and Study of the Effect on Photostability. <i>Macromolecular Rapid Communications</i> , 2015, 36, 665-670.	3.9	8

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37	Facile Synthesis of Spirocyclic Lactams from \hat{I}^2 -Keto Carboxylic Acids. <i>Organic Letters</i> , 2015, 17, 3070-3073.	4.6	21
38	Taming of 3,4-Di(nitramino)furazan. <i>Journal of the American Chemical Society</i> , 2015, 137, 15984-15987.	13.7	146
39	Enforced Layer-by-Layer Stacking of Energetic Salts towards High-Performance Insensitive Energetic Materials. <i>Journal of the American Chemical Society</i> , 2015, 137, 10532-10535.	13.7	306
40	Energetic compounds consisting of 1,2,5- and 1,3,4-oxadiazole rings. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23143-23148.	10.3	77
41	6-Bromo-N-(6-bromopyridin-2-yl)-N-[4-(2,3-dihydrothieno[3,4-b][1,4]dioxin-5-yl)phenyl]pyridin-2-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o797-o797.	0.2	0
42	4-(2,3-Dihydrothieno[3,4-b][1,4]dioxin-5-yl)aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o803-o803.	0.2	0
43	(E)-4-[7-(2,3-Dihydrothieno[3,4-b][1,4]dioxin-5-yl)-2,1,3-benzothiadiazol-4-yl]-2-[(neopentylimino)methyl]phenol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o848-o849.	0.2	0
44	5-Phenyl-1,2,5-dithiazepane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o285-o285.	0.2	1
45	A comparison of 3,4,6a,7,10,10a-hexahydro-7,10-epoxyprymido[2,1-a]isoindol-6(2H)-one and 2-(2-aminoethyl)-3a,4,7,7a-tetrahydro-1H-4,7-epoxyisoindole-1,3(2H)-dione: structural and reactivity differences of two homologous tricyclic imides. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 638-641.	0.4	4