Lauren A Mitchell

List of Publications by Year
in descending order

45 papers	2,325 citations	257101 24 h-index	253896 43 g-index
47 all docs	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. New Journal of Chemistry, 2019, 43, 12684-12689.	1.4	22
2	A Halogenâ€Free Green High Energy Density Oxidizer from Hâ€FOX. European Journal of Organic Chemistry, 2019, 2019, 3142-3145.	1.2	10
3	Dual-catalytic decarbonylation of fatty acid methyl esters to form olefins. Chemical Communications, 2018, 54, 7669-7672.	2.2	12
4	Azido and Tetrazolo 1,2,4,5â€Tetrazine Nâ€Oxides. Angewandte Chemie - International Edition, 2017, 56, 3575-3578.	7.2	126
5	Azido and Tetrazolo 1,2,4,5â€Tetrazine Nâ€Oxides. Angewandte Chemie, 2017, 129, 3629-3632.	1.6	19
6	Ammonia Oxide as a Building Block for Highâ€Performance and Insensitive Energetic Materials. Angewandte Chemie - International Edition, 2017, 56, 5894-5898.	7.2	35
7	Ammonia Oxide as a Building Block for Highâ€Performance and Insensitive Energetic Materials. Angewandte Chemie, 2017, 129, 5988-5992.	1.6	8
8	Why So Slow? Mechanistic Insights from Studies of a Poor Catalyst for Polymerization of Îµ-Caprolactone. Inorganic Chemistry, 2017, 56, 725-728.	1.9	20
9	Comparative Study of Various Pyrazoleâ€based Anions: A Promising Family of Ionic Derivatives as Insensitive Energetic Materials. Chemistry - an Asian Journal, 2017, 12, 378-384.	1.7	35
10	Mechanistic Insights into the Alternating Copolymerization of Epoxides and Cyclic Anhydrides Using a (Salph)AlCl and Iminium Salt Catalytic System. Journal of the American Chemical Society, 2017, 139, 15222-15231.	6.6	125
11	Energetic Trinitroâ€and Fluorodinitroethyl Ethers of 1,2,4,5â€Tetrazines. Angewandte Chemie, 2016, 128, 8808-8811.	1.6	17
12	Energetic Trinitroâ€and Fluorodinitroethyl Ethers of 1,2,4,5â€Tetrazines. Angewandte Chemie - International Edition, 2016, 55, 8666-8669.	7.2	74
13	Syntheses and Promising Properties of Dense Energetic 5,5â€²â€Dinitraminoâ€3,3â€²â€azoâ€1,2,4â€oxadiazole and Its Salts. Angewandte Chemie, 2016, 128, 3252-3255.	1.6	22
14	Syntheses and Promising Properties of Dense Energetic 5,5â€²â€Dinitraminoâ€3,3â€²â€azoâ€1,2,4â€oxadiazole and Its Salts. Angewandte Chemie - International Edition, 2016, 55, 3200-3203.	7.2	75
15	Potassium 4,4â€²â€Bis(dinitromethyl)â€3,3â€²â€azofurazanate: A Highly Energetic 3D Metalâ€“Organic Framework as a Promising Primary Explosive. Angewandte Chemie - International Edition, 2016, 55, 5565-5567.	7.2	152
16	Mono- and diiodo-1,2,3-triazoles and their mono nitro derivatives. Dalton Transactions, 2016, 45, 9684-9688.	1.6	20
17	Connecting energetic nitropyrazole and aminotetrazole moieties with N,Nâ€²-ethylene bridges: A promising approach for fine tuning energetic properties. Journal of Materials Chemistry A, 2016, 4, 9220-9228.	5.2	54
18	N-Oxides light up energetic performances: synthesis and characterization of dinitraminobisfuroxans and their salts. Journal of Materials Chemistry A, 2016, 4, 8969-8973.	5.2	72

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19	From FOX-7 to H-FOX to insensitive energetic materials with hypergolic properties. Chemical Communications, 2016, 52, 7668-7671.	2.2	17
20	Enhanced Luminance of Electrochemical Cells with a Rationally Designed Ionic Iridium Complex and an Ionic Additive. ACS Applied Materials & Interfaces, 2016, 8, 8888-8892.	4.0	54
21	N-functionalized nitroxy/azido fused-ring azoles as high-performance energetic materials. Journal of Materials Chemistry A, 2016, 4, 7430-7436.	5.2	55
22	Bridged bisnitramide-substituted furazan-based energetic materials. Journal of Materials Chemistry A, 2016, 4, 16961-16967.	5.2	44
23	Electrophilic iodination: a gateway to high iodine compounds and energetic materials. Dalton Transactions, 2016, 45, 13827-13833.	1.6	25
24	3,6â€Dinitropyrazolo[4,3â€c]pyrazoleâ€Based Multipurpose Energetic Materials through Versatile Nâ€Functionalization Strategies. Angewandte Chemie, 2016, 128, 13087-13089.	1.6	20
25	3,6â€Dinitropyrazolo[4,3â€c]pyrazoleâ€Based Multipurpose Energetic Materials through Versatile Nâ€Functionalization Strategies. Angewandte Chemie - International Edition, 2016, 55, 12895-12897.	7.2	96
26	Polymeric Materials for the Separation of f-Elements Utilizing Carbamoylmethylphosphine Oxide Chelating Ligands. ACS Macro Letters, 2016, 5, 1100-1103.	2.3	24
27	Small Cationâ€Based Highâ€Performance Energetic Nitraminofurazanates. Chemistry - A European Journal, 2016, 22, 11846-11853.	1.7	33
28	Energetic Nâ€Nitramino/Nâ€Oxylâ€Functionalized Pyrazoles with Versatile Ï€â€“Ï€ Stacking: Structureâ€“Property Relationships of Highâ€Performance Energetic Materials. Angewandte Chemie, 2016, 128, 14621-14623.	1.6	16
29	Energetic Nâ€Nitramino/Nâ€Oxylâ€Functionalized Pyrazoles with Versatile Ï€â€“Ï€ Stacking: Structureâ€“Property Relationships of Highâ€Performance Energetic Materials. Angewandte Chemie - International Edition, 2016, 55, 14409-14411.	7.2	70
30	Enhancing Energetic Properties and Sensitivity by Incorporating Amino and Nitramino Groups into a 1,2,4â€Oxadiazole Building Block. Angewandte Chemie, 2016, 128, 1159-1162.	1.6	18
31	Asymmetric N,Nâ€²-ethylene-bridged azole-based compounds: Two way control of the energetic properties of compounds. Journal of Materials Chemistry A, 2016, 4, 9931-9940.	5.2	47
32	Energetic Salts Based on 3,5-Bis(dinitromethyl)-1,2,4-triazole Monoanion and Dianion: Controllable Preparation, Characterization, and High Performance. Journal of the American Chemical Society, 2016, 138, 7500-7503.	6.6	167
33	Energetic aminated-azole assemblies from intramolecular and intermolecular Nâ€“Hâ‹¯O and Nâ€“Hâ‹¯N hydrogen bonds. Chemical Communications, 2016, 52, 8123-8126.	2.2	60
34	Enhancing Energetic Properties and Sensitivity by Incorporating Amino and Nitramino Groups into a 1,2,4â€Oxadiazole Building Block. Angewandte Chemie - International Edition, 2016, 55, 1147-1150.	7.2	58
35	Câ€“N bonded energetic biheterocyclic compounds with good detonation performance and high thermal stability. Journal of Materials Chemistry A, 2016, 4, 3879-3885.	5.2	51
36	Incorporation of Thieno[3,2â€b]thiophene Moieties as Novel Electropolymerizable Groups in a Conducting Metallopolymer and Study of the Effect on Photostability. Macromolecular Rapid Communications, 2015, 36, 665-670.	2.0	8

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37	Facile Synthesis of Spirocyclic Lactams from Î²-Keto Carboxylic Acids. Organic Letters, 2015, 17, 3070-3073.	2.4	21
38	Taming of 3,4-Di(nitramino)furazan. Journal of the American Chemical Society, 2015, 137, 15984-15987.	6.6	146
39	Enforced Layer-by-Layer Stacking of Energetic Salts towards High-Performance Insensitive Energetic Materials. Journal of the American Chemical Society, 2015, 137, 10532-10535.	6.6	306
40	Energetic compounds consisting of 1,2,5- and 1,3,4-oxadiazole rings. Journal of Materials Chemistry A, 2015, 3, 23143-23148.	5.2	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. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o797-o797.	0.2	0
42	4-(2,3-Dihydrothieno[3,4-b][1,4]dioxin-5-yl)aniline. Acta Crystallographica Section E: Structure Reports Online, 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. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o848-o849.	0.2	0
44	5-Phenyl-1,2,5-dithiazepane. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o285-o285.	0.2	1
45	A comparison of 3,4,6a,7,10,10a-hexahydro-7,10-epoxypyrimido[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. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 638-641.	0.4	4