

Marcus Lommel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Advancement and stabilization of copper(II) azide by the use of triazole- and tetrazole ligands – enhanced primary explosives. <i>Materials Advances</i> , 2022, 3, 579-591.	2.6	8
2	1-(Azidomethyl)-5-H-tetrazole: A Powerful New Ligand for Highly Energetic Coordination Compounds. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	19
3	5-Fluoromethylated (Amino)Tetrazoles: Manipulating Thermal and Energetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 341-349.	0.6	4
4	Nitratoethyl-5-H-tetrazoles: improving the oxygen balance through application of organic nitrates in energetic coordination compounds. <i>Dalton Transactions</i> , 2021, 50, 10811-10825.	1.6	28
5	Tailoring the properties of 3d transition metal complexes with different 5-cycloalkyl-substituted tetrazoles. <i>New Journal of Chemistry</i> , 2021, 45, 11042-11050.	1.4	19
6	Nitrocarbamoyl Azide $O=C(NH)C(O)N_3$: A Stable but Highly Energetic Member of the Carbonyl Azide Family. <i>Journal of the American Chemical Society</i> , 2021, 143, 1323-1327.	6.6	19
7	1-Amino-5-methyltetrazole in Energetic 3d Transition Metal Complexes – Ligand Design for Future Primary Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 207-213.	1.0	23
8	Investigation of Ethylenedinitramine as a Versatile Building Block in Energetic Salts, Cocrystals, and Coordination Compounds. <i>Inorganic Chemistry</i> , 2021, 60, 4816-4828.	1.9	9
9	A Smart Access to the Dinitramide Anion – The Use of Dinitraminic Acid for the Preparation of Nitrogen-Rich Energetic Copper(II) Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 9112-9123.	1.7	15
10	Evolving the Scope of 5,5'-Azobistetrazoles in the Search for High Performing Green Energetic Materials. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4388-4392.	1.2	9
11	OZM Ball Drop Impact Tester (BIT-32) vs. BAM Standard Method – a Comparative Investigation. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 147-153.	1.0	31
12	Closing the Gap: Synthesis of Three Isomeric 5,5'-Ditetrazolymethane Ligands and Their Coordination Proficiency in Adaptable Laser Responsive Copper(II) and Sensitive Silver(I) Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 10938-10952.	1.9	14
13	Taming the Dragon: Complexation of Silver Fulminate with Nitrogen-Rich Azole Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 17875-17879.	1.9	23
14	Comparison of 1-Propyl-5-H-tetrazole and 1-Azidopropyl-5-H-tetrazole as Ligands for Laser Ignitable Energetic Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 3798-3806.	2.5	32
15	Salts of Picramic Acid – Nearly Forgotten Temperature-Resistant Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 898-907.	1.0	3
16	Veredelung von Kupfer(II)-Azid mittels 1-Alkyl-5-H-tetrazolen: Leistungsfähige energetische Komplexverbindungen. <i>Angewandte Chemie</i> , 2020, 132, 12466-12469.	1.6	4
17	Refinement of Copper(II) Azide with 1-Alkyl-5-H-tetrazoles: Adaptable Energetic Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12367-12370.	7.2	46
18	1-Amino-5-Triazole Transition-Metal Complexes as Laser-Ignitable and Lead-Free Primary Explosives. <i>Chemistry - A European Journal</i> , 2019, 25, 1963-1974.	1.7	27

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19	Comparison of 1-ethyl-5 <i>H</i> -tetrazole and 1-azidoethyl-5 <i>H</i> -tetrazole as Ligands in Energetic Transition Metal Complexes. Chemistry - an Asian Journal, 2019, 14, 2018-2028.	1.7	41
20	Synthesis and comparison of copper(<i>scp</i>) complexes with various <i>N</i> -aminotetrazole ligands involving trinitrophenol anions. New Journal of Chemistry, 2019, 43, 18193-18202.	1.4	24
21	2,2-Bis(5-tetrazolyl)propane as Ligand in Energetic 3d Transition Metal Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 354-361.	0.6	9
22	Maximization of the energy capability level in transition metal complexes through application of 1-amino- and 2-amino-5 <i>H</i> -tetrazole ligands. Journal of Materials Chemistry A, 2018, 6, 16257-16272.	5.2	50