

# Marcus Lommel

## List of Publications by Year in descending order

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22  
papers

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citations

623188

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713013

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Maximization of the energy capability level in transition metal complexes through application of 1-amino- and 2-amino-5 <i>H</i> -tetrazole ligands. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16257-16272.	5.2	50
2	Refinement of Copper(II) Azide with 1-Alkyl-5-tetrazoles: Adaptable Energetic Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12367-12370.	7.2	46
3	Comparison of 1-Ethyl-5-tetrazole and 1-Azidoethyl-5-tetrazole as Ligands in Energetic Transition Metal Complexes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2018-2028.	1.7	41
4	Comparison of 1-Propyl-5-tetrazole and 1-Azidopropyl-5-tetrazole as Ligands for Laser Ignitable Energetic Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 3798-3806.	2.5	32
5	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
6	Nitratoethyl-5-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
7	1-Amino-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
8	Synthesis and comparison of copper complexes with various <i>N</i> -aminotetrazole ligands involving trinitrophenol anions. <i>New Journal of Chemistry</i> , 2019, 43, 18193-18202.	1.4	24
9	Taming the Dragon: Complexation of Silver Fulminate with Nitrogen-Rich Azole Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 17875-17879.	1.9	23
10	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
11	Tailoring the properties of 3d transition metal complexes with different <i>N</i> -cycloalkyl-substituted tetrazoles. <i>New Journal of Chemistry</i> , 2021, 45, 11042-11050.	1.4	19
12	Nitrocarbamoyl Azide $O=C(NN(H)C(O)N)_2$ : 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
13	1-(Azidomethyl)-5-tetrazole: A Powerful New Ligand for Highly Energetic Coordination Compounds. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	19
14	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
15	Closing the Gap: Synthesis of Three Isomeric <i>N,N</i> -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
16	2,2-Bis(5-tetrazolyl)propane as Ligand in Energetic 3d Transition Metal Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 354-361.	0.6	9
17	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
18	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

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19	Advancement and stabilization of copper( <sup>II</sup> ) azide by the use of triazole- and tetrazole ligands – enhanced primary explosives. <i>Materials Advances</i> , 2022, 3, 579-591.	2.6	8
20	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
21	<i>N</i> -Fluoromethylated (Amino)Tetrazoles: Manipulating Thermal and Energetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 341-349.	0.6	4
22	Salts of Picramic Acid – Nearly Forgotten Temperature-Resistant Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 898-907.	1.0	3