

# Maximilian H H Wurzenberger

## List of Publications by Year in descending order

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32  
papers

748  
citations

430442

18  
h-index

552369

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination chemistry with 1-methyl-5 <i>H</i> -tetrazole: cocrystallization, laser-ignition, lead-free primary explosives – one ligand, three goals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23753-23765.	5.2	61
2	Highly functional energetic complexes: stability tuning through coordination diversity of isomeric propyl-linked ditetrazoles. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6565-6577.	5.2	52
3	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
4	Copper(II) Chlorate Complexes: The Renaissance of a Forgotten and Misjudged Energetic Anion. <i>Journal of the American Chemical Society</i> , 2018, 140, 3206-3209.	6.6	49
5	Refinement of Copper(II) Azide with 1-Alkyl-5 <i>H</i> -tetrazoles: Adaptable Energetic Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12367-12370.	7.2	46
6	Comparison of 1-Ethyl-5 <i>H</i> -tetrazole and 1-Azidoethyl-5 <i>H</i> -tetrazole as Ligands in Energetic Transition Metal Complexes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2018-2028.	1.7	41
7	Nitrogen-Rich Copper(II) Bromate Complexes: an Exotic Class of Primary Explosives. <i>Inorganic Chemistry</i> , 2018, 57, 7940-7949.	1.9	32
8	Comparison of 1-Propyl-5 <i>H</i> -tetrazole and 1-Azidopropyl-5 <i>H</i> -tetrazole as Ligands for Laser Ignitable Energetic Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 3798-3806.	2.5	32
9	OZM Ball Drop Impact Tester (BIT-132) vs. BAM Standard Method – a Comparative Investigation. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 147-153.	1.0	31
10	Nitratoethyl-5 <i>H</i> -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
11	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
12	2-Methyl-substituted monotetrazoles in copper( <i>ii</i> ) perchlorate complexes: manipulating coordination chemistry and derived energetic properties. <i>New Journal of Chemistry</i> , 2019, 43, 609-616.	1.4	27
13	3-Bromotetrazine: labelling of macromolecules <i>via</i> monosubstituted bifunctional <i>s</i> -tetrazines. <i>Chemical Science</i> , 2020, 11, 3042-3047.	3.7	27
14	Synthesis and comparison of copper( <i>ii</i> ) complexes with various <i>N</i> -aminotetrazole ligands involving trinitrophenol anions. <i>New Journal of Chemistry</i> , 2019, 43, 18193-18202.	1.4	24
15	Taming the Dragon: Complexation of Silver Fulminate with Nitrogen-Rich Azole Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 17875-17879.	1.9	23
16	1-Amino-5-methyltetrazole in Energetic and Transition Metal Complexes – Ligand Design for Future Primary Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 207-213.	1.0	23
17	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
18	1-(Azidomethyl)-5 <i>H</i> -tetrazole: A Powerful New Ligand for Highly Energetic Coordination Compounds. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	19

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19	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
20	Selective Synthesis and Characterization of the Highly Energetic Materials 1-Hydroxy-5-tetrazole (CHN <sub>4</sub> O), its Anion 1-Oxo-5-tetrazolate (CN <sub>4</sub> O <sup>+</sup> ) and Bis(1-hydroxytetrazol-5-yl)triazene. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3001-3012.	1.7	15
21	Power of sulfur – Chemistry, properties, laser ignition and theoretical studies of energetic perchlorate-free 1,3,4-thiadiazole nitramines. <i>Chemical Engineering Journal</i> , 2022, 443, 136246.	6.6	15
22	Closing the Gap: Synthesis of Three Isomeric N,N-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
23	Potassium N-Nitramino-5-Tetrazolates – Powerful Green Primary Explosives with High Initiation Capabilities. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1203-1209.	1.0	13
24	Copper(II) Dicyanamide Complexes with N-Substituted Tetrazole Ligands – Energetic Coordination Polymers with Moderate Sensitivities. <i>ChemPlusChem</i> , 2020, 85, 769-775.	1.3	13
25	Urazine – a Long Established Heterocycle and Energetic Chameleon. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4916-4924.	1.2	11
26	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
27	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
28	Advancement and stabilization of copper azide by the use of triazole- and tetrazole ligands – enhanced primary explosives. <i>Materials Advances</i> , 2022, 3, 579-591.	2.6	8
29	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
30	N-Fluoromethylated (Amino)Tetrazoles: Manipulating Thermal and Energetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 341-349.	0.6	4
31	Salts of Picramic Acid – Nearly Forgotten Temperature-Resistant Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 898-907.	1.0	3
32	Low-Power Laser Ignition of an Antenna-Type Secondary Energetic Copper Complex: Synthesis, Characterization, Evaluation, and Ignition Mechanism Studies. <i>Inorganic Chemistry</i> , 2021, 60, 10909-10922.	1.9	3