

# Thomas M Klapáťke

## List of Publications by Year in descending order

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850  
papers

27,189  
citations

10986

71  
h-index

21540

114  
g-index

966  
all docs

966  
docs citations

966  
times ranked

8298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pushing the limits of energetic materials – the synthesis and characterization of dihydroxylammonium 5,5-bistetrazole-1,1-diolate. <i>Journal of Materials Chemistry</i> , 2012, 22, 20418.	6.7	583
2	“Green” Pyrotechnics: A Chemists' Challenge. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3330-3347.	13.8	394
3	A Study of Dinitro-bis-1,2,4-triazole-1,1-diol and Derivatives: Design of High-Performance Insensitive Energetic Materials by the Introduction of N-Oxides. <i>Journal of the American Chemical Society</i> , 2013, 135, 9931-9938.	13.7	366
4	The application of infrared spectroscopy to probe the surface morphology of alumina-supported palladium catalysts. <i>Journal of Chemical Physics</i> , 2005, 123, 174706.	3.0	276
5	1,5-Di(nitramino)tetrazole: High Sensitivity and Superior Explosive Performance. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10299-10302.	13.8	275
6	Potassium 1,1-Dinitramino-5,5-bistetrazolate: A Primary Explosive with Fast Detonation and High Initiation Power. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8172-8175.	13.8	274
7	Nitrotetrazolate-2-N-oxides and the Strategy of N-Oxide Introduction. <i>Journal of the American Chemical Society</i> , 2010, 132, 17216-17226.	13.7	273
8	Derivatives of 1,5-Diamino-1H-tetrazole: A New Family of Energetic Heterocyclic-Based Salts. <i>Inorganic Chemistry</i> , 2005, 44, 4237-4253.	4.0	245
9	Bistetrazoles: Nitrogen-Rich, High-Performing, Insensitive Energetic Compounds. <i>Chemistry of Materials</i> , 2008, 20, 3629-3637.	6.7	234
10	1,1-Azobis(tetrazole): A Highly Energetic Nitrogen-Rich Compound with a N <sub>10</sub> Chain. <i>Inorganic Chemistry</i> , 2011, 50, 2732-2734.	4.0	212
11	Development and Testing of Energetic Materials: The Concept of High Densities Based on the Trinitroethyl Functionality. <i>Advanced Functional Materials</i> , 2009, 19, 347-365.	14.9	197
12	The CN <sub>7</sub> <sup>+</sup> Anion. <i>Journal of the American Chemical Society</i> , 2009, 131, 1122-1134.	13.7	197
13	Covalent Inorganic Azides. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 511-520.	4.4	195
14	1,5-Diamino-4-methyltetrazolium Dinitramide. <i>Journal of the American Chemical Society</i> , 2005, 127, 2032-2033.	13.7	194
15	±- and FOX-7, Polymorphs of a High Energy Density Material, Studied by X-ray Single Crystal and Powder Investigations in the Temperature Range from 200 to 423 K. <i>Inorganic Chemistry</i> , 2006, 45, 4996-5007.	4.0	194
16	[N <sub>2</sub> H <sub>5</sub> ] <sup>+</sup> 2[N <sub>4</sub> C <sub>2</sub> NN <sub>2</sub> CN <sub>4</sub> ] <sup>2-</sup> : A New High-Nitrogen High-Energetic Material. <i>Inorganic Chemistry</i> , 2001, 40, 3570-3575.	4.0	191
17	Azidoformamidinium and Guanidinium 5,5-Azotetrazolate Salts. <i>Chemistry of Materials</i> , 2005, 17, 3784-3793.	6.7	182
18	Recent advances in new oxidizers for solid rocket propulsion. <i>Green Chemistry</i> , 2017, 19, 4711-4736.	9.0	178

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19	BTA Copper Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 8044-8052.	4.0	176
20	Synthesis of 5-Aminotetrazole Oxide and Its Azo Derivative: A Key Step in the Development of New Energetic Materials. <i>Chemistry - A European Journal</i> , 2013, 19, 4602-4613.	3.3	169
21	Dense Energetic Nitraminofurazanes. <i>Chemistry - A European Journal</i> , 2014, 20, 6401-6411.	3.3	165
22	Nitrogen-Rich Bis(1,2,4-triazoles) A Comparative Study of Structural and Energetic Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 16742-16753.	3.3	164
23	Nitrogen-Rich Salts of 1,1,5,5-tetrazole-1,1-diol: Energetic Materials with High Thermal Stability. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2167-2180.	2.0	162
24	Microcrystalline cellulose from <i>Posidonia oceanica</i> brown algae: Extraction and characterization. <i>International Journal of Biological Macromolecules</i> , 2019, 138, 837-845.	7.5	156
25	Amination of energetic anions: high-performing energetic materials. <i>Dalton Transactions</i> , 2012, 41, 9451.	3.3	144
26	Thermal stabilization of energetic materials by the aromatic nitrogen-rich 4,4,5,5-tetraamino-3,3-bi-1,2,4-triazolium cation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2658-2668.	10.3	144
27	1,3-Bis(nitroimido)-1,2,3-triazolate Anion, the Nitroimide Moiety, and the Strategy of Alternating Positive and Negative Charges in the Design of Energetic Materials. <i>Journal of the American Chemical Society</i> , 2012, 134, 20827-20836.	13.7	140
28	Simple, Nitrogen-Rich, Energetic Salts of 5-Nitrotetrazole. <i>Inorganic Chemistry</i> , 2008, 47, 6014-6027.	4.0	134
29	New Nitrogen-Rich High Explosives. , 2007, , 85-121.		133
30	Synthesis and Investigation of Advanced Energetic Materials Based on Bispyrazolylmethanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16132-16135.	13.8	132
31	Nitrogen-Rich Tetrazolium Azotetrazolate Salts: A New Family of Insensitive Energetic Materials. <i>Chemistry of Materials</i> , 2008, 20, 1750-1763.	6.7	127
32	Nitration Products of 5-Amino-1,2,4-triazole and Methyl-5-amino-1,2,4-triazoles Structures and Properties of Promising Energetic Materials. <i>Helvetica Chimica Acta</i> , 2007, 90, 2132-2150.	1.6	124
33	3,3-Bi(1,2,4-oxadiazoles) Featuring the Fluorodinitromethyl and Trinitromethyl Groups. <i>Chemistry - A European Journal</i> , 2014, 20, 7622-7631.	3.3	124
34	Synthesis, Structure, Molecular Orbital and Valence Bond Calculations for Tetrazole Azide, CHN <sub>7</sub> . <i>Propellants, Explosives, Pyrotechnics</i> , 2003, 28, 165-173.	1.6	123
35	Nitrogen-Rich 5,5-Bistetrazolates and their Potential Use in Propellant Systems: A Comprehensive Study. <i>Chemistry - A European Journal</i> , 2012, 18, 4051-4062.	3.3	123
36	Nitrogen-Rich Salts of 1-Methyl-5-nitriminotetrazolate: An Auspicious Class of Thermally Stable Energetic Materials. <i>Chemistry of Materials</i> , 2008, 20, 4519-4530.	6.7	121

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37	3,6,7-Triamino-1,2,4-triazolo[4,3-b][1,2,4]triazole: A Non-toxic, High-Performance Energetic Building Block with Excellent Stability. <i>Chemistry - A European Journal</i> , 2015, 21, 9219-9228.	3.3	120
38	Recent Developments in the Chemistry of Covalent Azides. <i>Chemische Berichte</i> , 1997, 130, 443-452.	0.2	117
39	Ecofriendly isolation and characterization of microcrystalline cellulose from giant reed using various acidic media. <i>Cellulose</i> , 2019, 26, 7635-7651.	4.9	117
40	Influence of fluorination on the properties of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 1997, 84, 127-134.	1.7	115
41	Tetrazolypentazoles: Nitrogen-Rich Compounds. <i>Inorganic Chemistry</i> , 2002, 41, 906-912.	4.0	114
42	C <sub>2</sub> N <sub>14</sub> : An Energetic and Highly Sensitive Binary Azidotetrazole. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4227-4229.	13.8	110
43	The Taming of CN <sub>7</sub> <sup>-</sup> : The Azidotetrazolate Oxide Anion. <i>Chemistry - A European Journal</i> , 2011, 17, 13068-13077.	3.3	110
44	Neutral 5-nitrotetrazoles: easy initiation with low pollution. <i>New Journal of Chemistry</i> , 2009, 33, 136-147.	2.8	107
45	FOX-7: Structure of a High Energy Density Material Immediately Prior to Decomposition. <i>Propellants, Explosives, Pyrotechnics</i> , 2007, 32, 478-495.	1.6	105
46	5,5-Bis(2,4,6-trinitrophenyl)-2,2-bis(1,3,4-oxadiazole) (TKX-50): Thermally Stable Explosive with Outstanding Properties. <i>ChemPlusChem</i> , 2016, 81, 357-360.	2.8	102
47	Highly Energetic Tetraazidoborate Anion and Boron Triazide Adducts. <i>Inorganic Chemistry</i> , 2001, 40, 1334-1340.	4.0	101
48	Sensitivities of Some Imidazole-1-sulfonyl Azide Salts. <i>Journal of Organic Chemistry</i> , 2012, 77, 1760-1764.	3.2	101
49	Chemistry of High-Energy Materials. , 2017, , .		101
50	Sulfur and selenium iodine compounds: from non-existence to significance. <i>Accounts of Chemical Research</i> , 1989, 22, 234-240.	15.6	99
51	Kovalente anorganische Azide. <i>Angewandte Chemie</i> , 1995, 107, 559-568.	2.0	98
52	N-Rich Salts of 2-Methyl-5-nitraminotetrazole: Secondary Explosives with Low Sensitivities. <i>Inorganic Chemistry</i> , 2011, 50, 1447-1458.	4.0	96
53	Chemistry of High-Energy Materials. , 2019, , .		96
54	New Energetic Materials: Functionalized 1-Ethyl-5-Aminotetrazoles and 1-Ethyl-5-Nitriminotetrazoles. <i>Chemistry - A European Journal</i> , 2009, 15, 5775-5792.	3.3	94

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55	Combining the Advantages of Tetrazoles and 1,2,3-Triazoles: 4,5-Bis(tetrazol-5-yl)-1,2,3-triazole, 4,5-Bis(1-hydroxytetrazol-5-yl)-1,2,3-triazole, and their Energetic Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 1768-1778.	3.3	94
56	Bistetrazolylamines synthesis and characterization. <i>Journal of Materials Chemistry</i> , 2008, 18, 5248.	6.7	93
57	Salts of Methylated 5-Aminotetrazoles with Energetic Anions. <i>Inorganic Chemistry</i> , 2008, 47, 1007-1019.	4.0	93
58	Isolation of a Stable Covalent Selenium Azide RSeN <sub>3</sub> . <i>Journal of the American Chemical Society</i> , 2004, 126, 710-711.	13.7	91
59	5-Azido-1 <i>H</i> -tetrazole Improved Synthesis, Crystal Structure and Sensitivity Data. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1051-1057.	1.2	91
60	1,2,4-Triazolium-Based Energetic Salts. <i>Chemistry - A European Journal</i> , 2008, 14, 5756-5771.	3.3	90
61	<i>Energetic Materials Encyclopedia</i> , 2018, , .		90
62	New energetic materials: Synthesis and characterization of copper 5-nitriminotetrazolates. <i>Inorganica Chimica Acta</i> , 2009, 362, 2311-2320.	2.4	88
63	Detection of high-energy compounds using photoluminescent silicon nanocrystal paper based sensors. <i>Nanoscale</i> , 2014, 6, 2608-2612.	5.6	88
64	A Promising Energetic Polymer from <i>Posidonia oceanica</i> Brown Algae: Synthesis, Characterization, and Kinetic Modeling. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900358.	2.2	88
65	A Study of 5-(1,2,4-Triazol-5-yl)tetrazol-1-ols: Combining the Benefits of Different Heterocycles for the Design of Energetic Materials. <i>Chemistry - A European Journal</i> , 2013, 19, 12042-12051.	3.3	86
66	Azido Derivatives of Germanium(II) and Tin(II): Syntheses and Characterization of [(Mes) <sub>2</sub> DAP]GeN <sub>3</sub> , [(Mes) <sub>2</sub> DAP]SnN <sub>3</sub> , and the Corresponding Chloro Analogues Featuring Heterocyclic Six- $\pi$ -Electron Ring Systems (where [(Mes) <sub>2</sub> DAP] = {N(Mes)C(Me)} <sub>2</sub> CH). <i>Inorganic Chemistry</i> , 2001, 40, 1000-1005.	4.0	83
67	Potassium-, Ammonium-, Hydrazinium-, Guanidinium-, Aminoguanidinium-, Diaminoguanidinium-, Triaminoguanidinium- and Melaminiumnitroformate Synthesis, Characterization and Energetic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1006-1017.	1.2	82
68	Improved Synthesis and X-Ray Structure of 5-Aminotetrazolium Nitrate. <i>Propellants, Explosives, Pyrotechnics</i> , 2005, 30, 191-195.	1.6	81
69	Energetic Materials Based on 5,5-Diamino-4,4-dinitramino-3,3-bis(1,2,4-triazole). <i>Chemistry - an Asian Journal</i> , 2016, 11, 844-851.	3.3	78
70	Synthesis and Characterization of 1,4-Dimethyl-5-Aminotetrazolium 5-Nitrotetrazolate. <i>Propellants, Explosives, Pyrotechnics</i> , 2006, 31, 188-195.	1.6	77
71	Salts of 1 <i>H</i> -tetrazole Synthesis, Characterization and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 1711-1723.	1.2	76
72	Synthesis and properties of 5-nitrotetrazole derivatives as new energetic materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 2240.	6.7	76

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73	Maximum Compaction of Ionic Organic Explosives: Bis(hydroxylammonium) 5,5-dinitromethyl-3,3-bis(1,2,4-oxadiazolate) and its Derivatives. <i>Chemistry - A European Journal</i> , 2014, 20, 1410-1417.	1.2	75
74	Alkali Salts of 5-Aminotetrazole – Structures and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 879-887.	1.2	74
75	5,5-Bis-(trinitromethyl)-3,3-bis(1,2,4-oxadiazole): a stable ternary CNO-compound with high density. <i>Chemical Communications</i> , 2014, 50, 2268-2270.	4.1	73
76	Energetic salts of 5,5-bis(tetrazole-2-oxide) in a comparison to 5,5-bis(tetrazole-1-oxide) derivatives. <i>Polyhedron</i> , 2013, 51, 201-210.	2.2	72
77	Neutral Gold(I) Fluoride Does Indeed Exist. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 212-214.	4.4	70
78	Binary Tellurium(IV) Azides: $\text{Te}(\text{N}_3)_4$ and $[\text{Te}(\text{N}_3)_5]^-$ . <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5843-5846.	13.8	70
79	Molecular Structure of Hydrazoic Acid with Hydrogen-Bonded Tetramers in Nearly Planar Layers. <i>Journal of the American Chemical Society</i> , 2011, 133, 12100-12105.	13.7	69
80	N-Bound Primary Nitramines Based on 1,5-Diaminotetrazole. <i>Chemistry - A European Journal</i> , 2012, 18, 1487-1501.	3.3	67
81	Lead-free Primary Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 7-8.	1.6	67
82	Nitrogen-Rich Energetic 1,2,5-Oxadiazole-Tetrazole Based Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 366-373.	1.6	66
83	N-Nitroso- and N-Nitraminotetrazoles. <i>Journal of Organic Chemistry</i> , 2006, 71, 1295-1305.	3.2	65
84	The Sila-Explosives $\text{Si}(\text{CH}_2\text{N}_3)_4$ and $\text{Si}(\text{CH}_2\text{ONO}_2)_4$ : Silicon Analogues of the Common Explosives Pentaerythryl Tetraazide, $\text{C}(\text{CH}_2\text{N}_3)_4$ , and Pentaerythritol Tetranitrate, $\text{C}(\text{CH}_2\text{ONO}_2)_4$ . <i>Journal of the American Chemical Society</i> , 2007, 129, 6908-6915.	13.7	65
85	Alkali metal 5-nitrotetrazolate salts: prospective replacements for service lead(ii) azide in explosive initiators. <i>Dalton Transactions</i> , 2008, , 6372.	3.3	65
86	Chlorotrinitromethane and its exceptionally short carbon-chlorine bond. <i>Nature Chemistry</i> , 2009, 1, 229-235.	13.6	65
87	Synthesis and Characterization of 5-(1,2,4-triazol-3-yl)tetrazoles with Various Energetic Functionalities. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1463-1471.	3.3	65
88	Tetraphenylphosphonium Hexaazidoarsenate(V): The First Structurally Characterized Binary AsV-Azide Species. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2108-2109.	13.8	64
89	Synthesis, Structure, Molecular Orbital Calculations and Decomposition Mechanism for Tetrazolylazide $\text{CHN}_7$ , its Phenyl Derivative $\text{PhCN}_7$ and Tetrazolylpentazole $\text{CHN}_9$ . <i>Propellants, Explosives, Pyrotechnics</i> , 2005, 30, 17-26.	1.6	64
90	Transition Metal Complexes of 3-Amino-1-nitroguanidine as Laser Ignitable Primary Explosives: Structures and Properties. <i>Inorganic Chemistry</i> , 2013, 52, 13791-13802.	4.0	64

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91	The Chemistry of 5-Substituted Tetrazole: An Extensive Study of Structural and Energetic Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 8948-8957.	3.3	64
92	Tetrazole-functionalized microcrystalline cellulose: A promising biopolymer for advanced energetic materials. <i>Chemical Engineering Journal</i> , 2020, 400, 125960.	12.7	64
93	Intriguing Gold Trifluoride Molecular Structure of Monomers and Dimers: An Electron Diffraction and Quantum Chemical Study. <i>Journal of the American Chemical Society</i> , 2000, 122, 3127-3134.	13.7	63
94	Insensitive Nitrogen-Rich Energetic Compounds Based on the 5,5-Dinitro-3,3,4,4-tetrazolide Anion. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3474-3484.	2.0	63
95	New Energetic Polynitrotetrazoles. <i>Chemistry - A European Journal</i> , 2015, 21, 3755-3765.	3.3	63
96	Synthesis, Characterization, and Structural Investigation of the First Bioinorganic Titanocene(IV) .alpha.-Amino Acid Complexes Prepared from the Antitumor Agent Titanocene Dichloride. <i>Organometallics</i> , 1994, 13, 3628-3633.	2.3	62
97	Experimental and Theoretical Characterization of Cationic, Neutral, and Anionic Binary Arsenic and Antimony Azide Species. <i>Inorganic Chemistry</i> , 2002, 41, 170-179.	4.0	62
98	Estimated Detonation Velocities for TKX-50, MAD-X1, BDNAPM, BTNPM, TKX-55, and DAAF using the Laser-induced Air Shock from Energetic Materials Technique. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 353-359.	1.6	62
99	Synthesis and Investigation of 2,6-Bis(picrylamino)-3,5-dinitropyridine (PYX) and Its Salts. <i>Chemistry - A European Journal</i> , 2016, 22, 8619-8626.	3.3	61
100	Nitraminoazoles Based on ANTA – A Comprehensive Study of Structural and Energetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2429-2443.	2.0	60
101	1,1-Dinitramino-5,5-bitetrazoles. <i>Chemistry - A European Journal</i> , 2016, 22, 4966-4970.	3.3	60
102	A study on the thermal decomposition behavior of derivatives of 1,5-diamino-1H-tetrazole (DAT): A new family of energetic heterocyclic-based salts. <i>Thermochimica Acta</i> , 2005, 437, 168-178.	2.7	59
103	Copper Bis(1-methyl-5-nitriminotetrazolate): A Promising New Primary Explosive. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4743-4750.	2.0	59
104	New Energetic Materials featuring Tetrazoles and Nitramines – Synthesis, Characterization and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 735-749.	1.2	59
105	Metallophilic Bonding and Agostic Interactions in Gold(I) and Silver(I) Complexes Bearing a Thiotetrazole Unit. <i>Inorganic Chemistry</i> , 2011, 50, 2675-2684.	4.0	59
106	Preparation of High Purity Sodium 5-Nitrotetrazolate (NaNT): An Essential Precursor to the Environmentally Acceptable Primary Explosive, DBX-1. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 681-688.	1.2	59
107	Phase stability of lithium azide at pressures up to 60 GPa. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 195404.	1.8	58
108	Antitumor activity of some organometallic bismuth(III)thiolates. <i>Inorganica Chimica Acta</i> , 1988, 152, 49-52.	2.4	57



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109	Drophammer Test Investigations on Some Inorganic and Organic Azides. Propellants, Explosives, Pyrotechnics, 2001, 26, 43-47.	1.6	57
110	Synthesis, Properties and Dimerization Study of Isocyanic Acid. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 19-24.	0.7	57
111	The Binary Selenium(IV) Azides $\text{Se}(\text{N})_3$ , $\text{Se}(\text{N})_4$ , $[\text{Se}(\text{N})_3]_2$ , and $[\text{Se}(\text{N})_6]^{2+}$ . Angewandte Chemie - International Edition, 2007, 46, 8686-8690.	13.8	57
112	Energetic Derivatives of 4,4',5,5'-Tetranitro-2,2'-bisimidazole (TNBI). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1278-1286.	1.2	57
113	Synthesis and Characterization of Diaminobisfuroxane. European Journal of Inorganic Chemistry, 2014, 2014, 5808-5811.	2.0	57
114	5,5'-Hydrazinebistetrazole: An Oxidation-Stable Nitrogen-Rich Compound and Starting Material for the Synthesis of 5,5'-Azobistetrazolates. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2671-2677.	1.2	56
115	Energetic alliance of tetrazole-1-oxides and 1,2,5-oxadiazoles. New Journal of Chemistry, 2015, 39, 1619-1627.	2.8	56
116	Calculation of the Detonation Velocities and Detonation Pressures of Dinitrobiuret (DNB) and Diaminotetrazolium Nitrate (HDAT-NO <sub>3</sub> ). Propellants, Explosives, Pyrotechnics, 2004, 29, 3-8.	1.6	55
117	Synthesis and Characterization of Bis(triaminoguanidinium) 5,5'-Dinitrimino-3,3'-azo-1,4-triazolate "A Novel Insensitive Energetic Material. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1181-1193.	5.5	55
118	1,4-Bis-[1-Methyltetrazol-5-yl]-1,4-Dimethyl-2-Tetrazene: A Stable, Highly Energetic Hexamer of Diazomethane (CH <sub>2</sub> N <sub>2</sub> ) <sub>6</sub> . Propellants, Explosives, Pyrotechnics, 2004, 29, 325-332.	1.6	54
119	Cocrystallization of Photosensitive Energetic Copper(II) Perchlorate Complexes with the Nitrogen-rich Ligand 1,2-Di(1-tetrazol-5-yl)ethane. Inorganic Chemistry, 2014, 53, 11749-11756.	4.0	54
120	Correlation between Structure and Energetic Properties of Three Nitroaromatic Compounds: Bis(2,4-dinitrophenyl) Ether, Bis(2,4,6-trinitrophenyl) Ether, and Bis(2,4,6-trinitrophenyl) Thioether. Journal of the American Chemical Society, 2019, 141, 19911-19916.	13.7	54
121	1,2,4-Triazolium and Tetrazolium Picrate Salts: "On the Way" from Nitroaromatic to Azole-Based Energetic Materials. European Journal of Inorganic Chemistry, 2008, 2008, 5350-5366.	2.0	53
122	Energetic Silver Salts with 5-Aminotetrazole Ligands. Chemistry - A European Journal, 2009, 15, 1164-1176.	3.3	53
123	Advanced Open-Chain Nitramines as Energetic Materials: Heterocyclic-Substituted 1,3-Dichloro-2-nitrazapropane. European Journal of Inorganic Chemistry, 2013, 2013, 4667-4678.	2.0	53
124	Synthesis, Chemistry, and Characterization of Perfluoroaromatic Selenium Derivatives. European Journal of Inorganic Chemistry, 1999, 1999, 1359-1366.	2.0	52
125	Spectroscopic and Structural Studies on Polyfluorophenyl Tellurides and Tellurium(IV) Dihalides. Inorganic Chemistry, 2001, 40, 5169-5176.	4.0	52
126	Azidoformamidinium and 5-aminotetrazolium dinitramide "two highly energetic isomers with a balanced oxygen content. Dalton Transactions, 2009, , 643-653.	3.3	52



#	ARTICLE	IF	CITATIONS
127	Covalent and Ionic Insensitive High-Explosives. Propellants, Explosives, Pyrotechnics, 2016, 41, 470-483.	1.6	52
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638	Synthesis and Chemistry of CF <sub>3</sub> C <sub>6</sub> F <sub>4</sub> OC <sub>6</sub> F <sub>4</sub> NH <sub>2</sub> (RFNH <sub>2</sub> ) and Pseudohalogen Derivatives; Crystal Structures of RFX (X=Š=ŠCOOH, COCl, CN, N <sub>3</sub> , NCS, NHCOCNHRF). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001, 627, 1983-1989.	1.2	7
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