

Thomas M Klaptke

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852
papers

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ext. papers

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L-index

Paper

IF Citations

852	Pushing the limits of energetic materials I the synthesis and characterization of dihydroxylammonium 5,5'-bistetrazole-1,1'-diolate. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20418	44°
851	"Green" pyrotechnics: a chemists' challenge. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3330-476.4	351
850	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, 9931-8	16.4 306
849	The application of infrared spectroscopy to probe the surface morphology of alumina-supported palladium catalysts. <i>Journal of Chemical Physics</i> , 2005 , 123, 174706	3.9 231
848	Nitrotetrazolate-2N-oxides and the strategy of N-oxide introduction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17216-26	16.4 229
847	Derivatives of 1,5-diamino-1H-tetrazole: a new family of energetic heterocyclic-based salts. <i>Inorganic Chemistry</i> , 2005 , 44, 4237-53	5.1 228
846	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, 8172-5	16.4 207
845	Bistetrazoles: Nitrogen-Rich, High-Performing, Insensitive Energetic Compounds. <i>Chemistry of Materials</i> , 2008 , 20, 3629-3637	9.6 206
844	1,5-Di(nitramino)tetrazole: High Sensitivity and Superior Explosive Performance. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10299-302	16.4 205
843	1,1'-azobis(tetrazole): a highly energetic nitrogen-rich compound with a N10 chain. <i>Inorganic Chemistry</i> , 2011 , 50, 2732-4	5.1 186
842	1,5-diamino-4-methyltetrazolium dinitramide. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2032-36.4	180
841	[N(2)H(5)](+)(2)[N(4)C-N=N-CN(4)](2-): a new high-nitrogen high-energetic material. <i>Inorganic Chemistry</i> , 2001 , 40, 3570-5	5.1 180
840	The CN7(-) anion. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1122-34	16.4 178
839	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	15.6 177
838	Covalent Inorganic Azides. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 511-520	177
837	Azidoformamidinium and Guanidinium 5,5'-Azotetrazolate Salts. <i>Chemistry of Materials</i> , 2005 , 17, 3784-3793	166
836	BTA copper complexes. <i>Inorganic Chemistry</i> , 2005 , 44, 8044-52	5.1 158

835	alpha- and beta-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	5.1	149
834	Chemistry of High-Energy Materials 2015 ,		147
833	Synthesis of 5-aminotetrazole-1N-oxide and its azo derivative: a key step in the development of new energetic materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 4602-13	4.8	139
832	Chemistry of High-Energy Materials 2012 ,		138
831	Dense energetic nitraminofurazanes. <i>Chemistry - A European Journal</i> , 2014 , 20, 6401-11	4.8	135
830	Nitrogen-Rich Salts of 1H,1?H-5,5?-Bitetrazole-1,1?-diol: Energetic Materials with High Thermal Stability. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2167-2180	2.3	130
829	Nitrogen-rich bis-1,2,4-triazoles-a comparative study of structural and energetic properties. <i>Chemistry - A European Journal</i> , 2012 , 18, 16742-53	4.8	130
828	1,3-Bis(nitroimido)-1,2,3-triazolate anion, the N-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, 20827-36	16.4	127
827	Simple, nitrogen-rich, energetic salts of 5-nitrotetrazole. <i>Inorganic Chemistry</i> , 2008 , 47, 6014-27	5.1	123
826	Amination of energetic anions: high-performing energetic materials. <i>Dalton Transactions</i> , 2012 , 41, 9451-93	4.9	122
825	New Nitrogen-Rich High Explosives 2007 , 85-121		118
824	Nitrogen-Rich Tetrazolium Azotetrazolate Salts: A New Family of Insensitive Energetic Materials. <i>Chemistry of Materials</i> , 2008 , 20, 1750-1763	9.6	116
823	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	9.6	113
822	Chemistry of High-Energy Materials 2011 ,		113
821	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	13	112
820	Nitration Products of 5-Amino-1H-tetrazole and Methyl-5-amino-1H-tetrazoles [Structures and Properties of Promising Energetic Materials. <i>Helvetica Chimica Acta</i> , 2007 , 90, 2132-2150	2	112
819	Synthesis, Structure, Molecular Orbital and Valence Bond Calculations for Tetrazole Azide, CHN7. <i>Propellants, Explosives, Pyrotechnics</i> , 2003 , 28, 165-173	1.7	110
818	Nitrogen-rich 5,5'-bistetrazolates and their potential use in propellant systems: a comprehensive study. <i>Chemistry - A European Journal</i> , 2012 , 18, 4051-62	4.8	108

817	Influence of fluorination on the properties of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 1997 , 84, 127-134	108
816	Recent Developments in the Chemistry of Covalent Azides. <i>Chemische Berichte</i> , 1997 , 130, 443-452	104
815	Tetrazolylpentazoles: nitrogen-rich compounds. <i>Inorganic Chemistry</i> , 2002 , 41, 906-12	5.1 104
814	Synthesis and Investigation of Advanced Energetic Materials Based on Bispyrazolymethanes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16132-16135	16.4 99
813	3,3'-Bi(1,2,4-oxadiazoles) featuring the fluorodinitromethyl and trinitromethyl groups. <i>Chemistry - A European Journal</i> , 2014 , 20, 7622-31	4.8 99
812	Recent advances in new oxidizers for solid rocket propulsion. <i>Green Chemistry</i> , 2017 , 19, 4711-4736	10 95
811	Kovalente anorganische Azide. <i>Angewandte Chemie</i> , 1995 , 107, 559-568	3.6 95
810	Neutral 5-nitrotetrazoles: easy initiation with low pollution. <i>New Journal of Chemistry</i> , 2009 , 33, 136-147	3.6 94
809	Chemistry of High-Energy Materials 2017 ,	92
808	C2N14: an energetic and highly sensitive binary azidotetrazole. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4227-9	16.4 90
807	The taming of CN7(-): the azidotetrazolate 2-oxide anion. <i>Chemistry - A European Journal</i> , 2011 , 17, 13068-87	90
806	Salts of methylated 5-aminotetrazoles with energetic anions. <i>Inorganic Chemistry</i> , 2008 , 47, 1007-19	5.1 90
805	1,2,4-triazolium-cation-based energetic salts. <i>Chemistry - A European Journal</i> , 2008 , 14, 5756-71	4.8 87
804	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, 9219-28	4.8 86
803	N-rich salts of 2-methyl-5-nitraminotetrazole: secondary explosives with low sensitivities. <i>Inorganic Chemistry</i> , 2011 , 50, 1447-58	5.1 86
802	FOX-7: Structure of a High Energy Density Material Immediately Prior to Decomposition. <i>Propellants, Explosives, Pyrotechnics</i> , 2007 , 32, 478-495	1.7 86
801	Microcrystalline cellulose from Posidonia oceanica brown algae: Extraction and characterization. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 837-845	7.9 85
800	New energetic materials: Synthesis and characterization of copper 5-nitriminotetrazolates. <i>Inorganica Chimica Acta</i> , 2009 , 362, 2311-2320	2.7 83

799	Isolation of a stable covalent selenium azide RSeN ₃ . <i>Journal of the American Chemical Society</i> , 2004 , 126, 710-1	16.4	83
798	Highly energetic tetraazidoborate anion and boron triazide adducts. <i>Inorganic Chemistry</i> , 2001 , 40, 1334-40	40	83
797	Detection of high-energy compounds using photoluminescent silicon nanocrystal paper based sensors. <i>Nanoscale</i> , 2014 , 6, 2608-12	7.7	81
796	Sensitivities of some imidazole-1-sulfonyl azide salts. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1760-4	4.2	80
795	Sulfur and selenium iodine compounds: From non-existence to significance. <i>Accounts of Chemical Research</i> , 1989 , 22, 234-240	24.3	80
794	New energetic materials: functionalized 1-ethyl-5-aminotetrazoles and 1-ethyl-5-nitriminotetrazoles. <i>Chemistry - A European Journal</i> , 2009 , 15, 5775-92	4.8	79
793	5-Azido-1H-tetrazole Improved Synthesis, Crystal Structure and Sensitivity Data. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1051-1057	1.3	76
792	Azido Derivatives of Germanium(II) and Tin(II): Syntheses and Characterization of [(Mes) ₂ DAP]GeN ₃ , [(Mes) ₂ DAP]SnN ₃ , and the Corresponding Chloro Analogues Featuring Heterocyclic Six-Electron Ring Systems (where [(Mes) ₂ DAP] = {N(Mes)C(Me)} ₂ CH). <i>Inorganic Chemistry</i> , 2001 , 40, 1000-1005	5.1	76
791	Synthesis and Characterization of 1,4-Dimethyl-5-Aminotetrazolium 5-Nitrotetrazolate. <i>Propellants, Explosives, Pyrotechnics</i> , 2006 , 31, 188-195	1.7	75
790	Improved Synthesis and X-Ray Structure of 5-Aminotetrazolium Nitrate. <i>Propellants, Explosives, Pyrotechnics</i> , 2005 , 30, 191-195	1.7	75
789	5,5'-Bis(2,4,6-trinitrophenyl)-2,2'-bi(1,3,4-oxadiazole) (TKX-55): Thermally Stable Explosive with Outstanding Properties. <i>ChemPlusChem</i> , 2016 , 81, 357-360	2.8	73
788	Bistetrazolylamines Synthesis and characterization. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5248	72	
787	A Study of 5-(1,2,4-Triazol-C-yl)tetrazol-1-ols: Combining the Benefits of Different Heterocycles for the Design of Energetic Materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 12042-51	4.8	70
786	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	1.3	69
785	Ecofriendly isolation and characterization of microcrystalline cellulose from giant reed using various acidic media. <i>Cellulose</i> , 2019 , 26, 7635-7651	5.5	68
784	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, 1768-78	4.8	67
783	Alkali Salts of 5-Aminotetrazole Structures and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 879-887	1.3	66
782	Energetic Materials Encyclopedia 2018 ,		66

781	Maximum compaction of ionic organic explosives: bis(hydroxylammonium) 5,5'-dinitromethyl-3,3'-bis(1,2,4-oxadiazole) and its derivatives. <i>Chemistry - A European Journal</i> , 2014 , 20, 1410-7	4.8	65
780	5,5'-Bis-(trinitromethyl)-3,3'-bi-(1,2,4-oxadiazole): a stable ternary CNO-compound with high density. <i>Chemical Communications</i> , 2014 , 50, 2268-70	5.8	65
779	Salts of 1H-Tetrazole I Synthesis, Characterization and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1711-1723	1.3	64
778	Synthesis and properties of 5-nitrotetrazole derivatives as new energetic materials. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2240		63
777	Binary tellurium(IV) azides: Te(N3)4 and [Te(N3)5]-. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 5843-6	16.4	63
776	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	2.7	62
775	Energetic Materials Based on 5,5'-Diamino-4,4'-dinitramino-3,3'-bi-1,2,4-triazole. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 844-51	4.5	61
774	The sila-explosives Si(CH2N3)4 and Si(CH2ONO2)4: silicon analogues of the common explosives pentaerythrityl tetraazide, C(CH2N3)4, and Pentaerythritol Tetranitrate, C(CH2ONO2)4. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6908-15	16.4	61
773	Molecular structure of hydrazoic acid with hydrogen-bonded tetramers in nearly planar layers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12100-5	16.4	60
772	Alkali metal 5-nitrotetrazolate salts: prospective replacements for service lead(II) azide in explosive initiators. <i>Dalton Transactions</i> , 2008 , 6372-80	4.3	60
771	Neutral Gold(I) Fluoride Does Indeed Exist. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 212-214		60
770	Synthesis, Structure, Molecular Orbital Calculations and Decomposition Mechanism for Tetrazolylazide CHN7, its Phenyl Derivative PhCN7 and Tetrazolylpentazole CHN9. <i>Propellants, Explosives, Pyrotechnics</i> , 2005 , 30, 17-26	1.7	59
769	Insensitive Nitrogen-Rich Energetic Compounds Based on the 5,5'-Dinitro-3,3'-bi-1,2,4-triazol-2-ide Anion. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3474-3484	2.3	58
768	Tetraphenylphosphonium Hexaazidoarsenate(V): The First Structurally Characterized Binary As(V)-Azide Species Financial support by the Universit�t M�nchen and the Fonds der Chemischen Industrie is gratefully acknowledged. We are indebted to Dr. B. Krumm for recording the NMR spectra. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2108-2109	16.4	58
767	N-nitroso- and N-nitraminotetrazoles. <i>Journal of Organic Chemistry</i> , 2006 , 71, 1295-305	4.2	57
766	A Promising Energetic Polymer from Posidonia oceanica Brown Algae: Synthesis, Characterization, and Kinetic Modeling. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900358	2.6	56
765	N-bound primary nitramines based on 1,5-diaminotetrazole. <i>Chemistry - A European Journal</i> , 2012 , 18, 1487-501	4.8	56
764	Experimental and theoretical characterization of cationic, neutral, and anionic binary arsenic and antimony azide species. <i>Inorganic Chemistry</i> , 2002 , 41, 170-9	5.1	56

763	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	16.4	56
762	Chemistry of High-Energy Materials 2019 ,		56
761	New energetic polynitrotetrazoles. <i>Chemistry - A European Journal</i> , 2015 , 21, 3755-65	4.8	55
760	Chlorotrinitromethane and its exceptionally short carbon-chlorine bond. <i>Nature Chemistry</i> , 2009 , 1, 229-35.6		55
759	The binary selenium(IV) Azides Se(N3)4, [Se(N3)5]-, and [Se(N3)6]2-. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8686-90	16.4	55
758	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	3.8	55
757	Dikalium-1,1?-dinitramino-5,5?-bistetrazolat Ein PrimEsprengstoff mit schneller Detonation und hoher Initiierungsleistung. <i>Angewandte Chemie</i> , 2014 , 126, 8311-8314	3.6	53
756	The chemistry of 5-(tetrazol-1-yl)-2H-tetrazole: an extensive study of structural and energetic properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 8948-57	4.8	53
755	Calculation of the Detonation Velocities and Detonation Pressures of Dinitrobiuret (DNB) and Diaminotetrazolium Nitrate (HDAT-NO3). <i>Propellants, Explosives, Pyrotechnics</i> , 2004 , 29, 3-8	1.7	53
754	Drophammer Test Investigations on Some Inorganic and Organic Azides. <i>Propellants, Explosives, Pyrotechnics</i> , 2001 , 26, 43-47	1.7	53
753	Synthesis and characterization of 5-(1,2,4-triazol-3-yl)tetrazoles with various energetic functionalities. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1463-71	4.5	52
752	Copper Bis(1-methyl-5-nitriminotetrazolate): A Promising New Primary Explosive. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4743-4750	2.3	52
751	Synthesis, Properties and Dimerization Study of Isocyanic Acid. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 19-24	1	52
750	Metallophilic bonding and agostic interactions in gold(I) and silver(I) complexes bearing a thiotetrazole unit. <i>Inorganic Chemistry</i> , 2011 , 50, 2675-84	5.1	51
749	1,2,4-Triazolium and Tetrazolium Picrate Salts: On the Way From Nitroaromatic to Azole-Based Energetic Materials. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 5350-5366	2.3	51
748	1,4-Bis-[1-Methyltetrazol-5-yl]-1,4-Dimethyl-2-Tetrazene: A Stable, Highly Energetic Hexamer of Diazomethane (CH2N2)6. <i>Propellants, Explosives, Pyrotechnics</i> , 2004 , 29, 325-332	1.7	51
747	Nitrogen-Rich Energetic 1,2,5-Oxadiazole-Tetrazole Based Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 366-373	1.7	50
746	5,5?-Hydrazinebistetrazole: An Oxidation-stable Nitrogen-rich Compound and Starting Material for the Synthesis of 5,5?-Azobistetrazolates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 2671-2677	1.3	50

745	Energetic alliance of tetrazole-1-oxides and 1,2,5-oxadiazoles. <i>New Journal of Chemistry</i> , 2015 , 39, 1619-1627	49
744	Transition metal complexes of 3-amino-1-nitroguanidine as laser ignitable primary explosives: structures and properties. <i>Inorganic Chemistry</i> , 2013 , 52, 13791-802	5.1 49
743	Phase stability of lithium azide at pressures up to 60 GPa. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 195404	1.8 49
742	New energetic compounds based on the nitrogen-rich 5,5'-azotetrazolate anion ([C ₂ N ₁₀] ²⁻). <i>New Journal of Chemistry</i> , 2009 , 33, 1605	3.6 49
741	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	2.9 49
740	Antitumor activity of some organometallic bismuth(III)thiolates. <i>Inorganica Chimica Acta</i> , 1988 , 152, 49-52	49
739	Synthesis and Characterization of Bis(triaminoguanidinium) 5,5'-Dinitrimino-3,3'-azo-1H-1,2,4-triazolate [A Novel Insensitive Energetic Material. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 1181-1193	1.3 48
738	Synthesis and Characterization of Diaminobisfuroxane. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5808-5811	2.3 47
737	Cocrystallization of photosensitive energetic copper(II) perchlorate complexes with the nitrogen-rich ligand 1,2-Di(1H-tetrazol-5-yl)ethane. <i>Inorganic Chemistry</i> , 2014 , 53, 11749-56	5.1 47
736	Nitraminoazoles Based on ANTA [A Comprehensive Study of Structural and Energetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2429-2443	2.3 47
735	Alkali and transition metal (Ag, Cu) salts of bridged 5-nitrotetrazole derivatives for energetic applications. <i>Dalton Transactions</i> , 2009 , 1825-34	4.3 47
734	Synthesis, Chemistry, and Characterization of Perfluoroaromatic Selenium Derivatives. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 1359-1366	2.3 47
733	Energetic Salts of Low-Symmetry Methylated 5-Aminotetrazoles. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 880-896	2.3 46
732	1,1'-Nitramino-5,5'-bitetrazoles. <i>Chemistry - A European Journal</i> , 2016 , 22, 4966-70	4.8 46
731	Synthesis and characterization of 4,5-dicyano-2H-1,2,3-triazole and its sodium, ammonium, and guanidinium salts. <i>Inorganic Chemistry</i> , 2009 , 48, 1731-43	5.1 45
730	1,5-Di(nitramino)tetrazol [hochenergetisch und first empfindlich. <i>Angewandte Chemie</i> , 2015 , 127, 10438-10441	3.6 44
729	High-Pressure Stability of Energetic Crystal of Dihydroxyammonium 5,5'-Bistetrazole-1,1'-diolate: Raman Spectroscopy and DFT Calculations. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6836-47	3.4 44
728	Triaminoguanidinium dinitramide-calculations, synthesis and characterization of a promising energetic compound. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4340-6	3.6 44

727	Explanation of the colossal detonation sensitivity of silicon pentaerythritol tetranitrate (Si-PETN) explosive. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7490-1	16.4	43
726	New Energetic Materials featuring Tetrazoles and Nitramines [Synthesis, Characterization and Properties] <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 735-749	1.3	43
725	Characterization, Crystal Structure of 2,4-Bis(triphenylphosphanimino)tetrazolo[5,1-a]-[1,3,5]triazine, and Improved Crystal Structure of 2,4,6-Triazido-1,3,5-triazine. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 2013-2016	2.3	43
724	Hydrogen-bonding Stabilization in Energetic Perchlorate Salts: 5-Amino-1H-tetrazolium Perchlorate and its Adduct with 5-Amino-1H-tetrazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1867-1874	1.3	43
723	Spectroscopic and structural studies on polyfluorophenyl tellurides and tellurium(IV) dihalides. <i>Inorganic Chemistry</i> , 2001 , 40, 5169-76	5.1	43
722	14N NMR spectra of covalent halogen and arsenic azides: XN3 (X = Cl, Br, I), (CH3) _n As(N3)3 ⁿ (n = 0, 1, 2) and [As(N3)4] ⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995 , 51, 1075-1078	4.4	43
721	Iodine Azide. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 275-277		43
720	Nitrogen-Rich Compounds in Pyrotechnics: Alkaline Earth Metal Salts of 5,5'-Hydrazine-1,2-diylbis(1H-tetrazole). <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 238-250	2.3	42
719	Nitrogen-rich alkali metal 5,5'-hydrazinebistetrazolate salts: environmentally friendly compounds in pyrotechnic mixtures. <i>New Journal of Chemistry</i> , 2009 , 33, 517-527	3.6	42
718	A study of cyanotetrazole oxides and derivatives thereof. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 148-59	4.5	41
717	Energetic Derivatives of 4, 4',5, 5'-Tetranitro-2, 2'-bisimidazole (TNBI). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1278-1286	1.3	41
716	Investigations of bis(methyltetrazolyl)triazenes as nitrogen-rich ingredients in solid rocket propellants [Synthesis, characterization and properties]. <i>Polyhedron</i> , 2009 , 28, 13-26	2.7	41
715	Azidoformamidinium and 5-aminotetrazolium dinitramide-two highly energetic isomers with a balanced oxygen content. <i>Dalton Transactions</i> , 2009 , 643-53	4.3	41
714	New Hydrazinium Salts of 5,5'-Azotetrazolate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001 , 56, 857-870	1	41
713	Experimental and Theoretical Vibrational Studies of Covalent X-N3 Azides (X = H, F, Cl, Br, I). Application of the Density Functional Theory and Comparison with ab Initio Results. <i>Inorganic Chemistry</i> , 1995 , 34, 4343-4346	5.1	41
712	Energetic silver salts with 5-aminotetrazole ligands. <i>Chemistry - A European Journal</i> , 2009 , 15, 1164-76	4.8	40
711	1,4-Diformyl-2,3,5,6-Tetranitratopiperazine: A New Primary Explosive Based on Glyoxal. <i>Propellants, Explosives, Pyrotechnics</i> , 2003 , 28, 1-6	1.7	40
710	The interconversion of N 12 to N 8 and two equivalents of N 2. <i>Computational and Theoretical Chemistry</i> , 2001 , 541, 237-242		40

709	The PI4+ cation has an extremely large negative 31P nuclear magnetic resonance chemical shift, due to spin-orbit coupling: A quantum-chemical prediction and its confirmation by solid-state nuclear magnetic resonance spectroscopy. <i>Journal of Chemical Physics</i> , 1999 , 110, 3897-3902	3.9	40
708	Nitrosyl Azide, N4O, an Intrinsically Unstable Oxide of Nitrogen. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 1610-1612		40
707	Alkaline Earth Metal Salts of 5,5'-Bistetrazole [From Academical Interest to Practical Application. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 1693-1701	1.3	39
706	Azide-Tetrazole Ring-Chain Isomerism in Polyazido-1,3,5-triazines, Triazido-s-heptazine, and Diazidotetrazines. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2210-2228	2.3	39
705	Crystal Structures of the Potassium and Silver Salts of Nitroform. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1043-1050	1.3	39
704	Synthesis, Characterization, and Crystal Structures of Cu, Ag, and Pd Dinitramide Salts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2894-2900	1.3	39
703	The Synthesis and Energetic Properties of 5,7-Dinitrobenzo-1,2,3,4-tetrazine-1,3-dioxide (DNBTDO). <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 527-535	1.7	38
702	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	1.3	38
701	The New Energetic Compounds 1,5-Diaminotetrazolium and 5-Amino-1-methyltetrazolium Dinitramide [Synthesis, Characterization and Testing. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 4055-4062	2.3	38
700	Nitrogen Rich Materials: Salts of N, N'-Bistetrazolatohydrazine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 2117-2121	1.3	38
699	Novel organotellurium(IV) diazides and triazides. <i>Inorganic Chemistry</i> , 2002 , 41, 1184-93	5.1	38
698	Preparation, characterization and ab initio computation of the first binary antimony azide, Sb(N3)3. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 2985-2987		38
697	Gas-Phase Activation of Fluorocarbons by Bare and Coordinated Praseodymium Cations. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 213-217		38
696	Tetrazole-functionalized microcrystalline cellulose: A promising biopolymer for advanced energetic materials. <i>Chemical Engineering Journal</i> , 2020 , 400, 125960	14.7	37
695	Covalent and Ionic Insensitive High-Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 470-483	1.7	37
694	Advanced Open-Chain Nitramines as Energetic Materials: Heterocyclic-Substituted 1,3-Dichloro-2-nitrazapropane. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4667-4678	2.3	37
693	Synthesis and characterization of various photosensitive copper(II) complexes with 5-(1-methylhydrazinyl)-1H-tetrazole as ligand and perchlorate, nitrate, dinitramide, and chloride as anions. <i>Chemistry - A European Journal</i> , 2013 , 19, 9995-10003	4.8	37
692	Two Outstanding Explosives Based on 1,2-Dinitroguanidine: Ammonium- dinitroguanidine and 1,7-Diamino-1,7-dinitrimino-2,4,6-trinitro-2,4,6-triazaheptane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 463-471	1.3	37

691	Kinetic and donor stabilization of organotellurenyl iodides and azides. <i>Inorganic Chemistry</i> , 2005 , 44, 5254-65	5.1	37
690	Methylated Ammonium and Hydrazinium Salts of 5,5'-Azotetrazolate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001 , 56, 847-856	1	37
689	The preparation, characterization in solution of the 7 ⁺ radical 1,2,4-triseleno-3,5-diazolylum and the 6 ⁺ (1,2,4-triseleno-3,5-diazolium)2 ⁺ cations, and the X-ray crystal structures of (SeNSeNSe)2(AsF6)2 and SeNSeNSe(AsF6)2 containing the first stable binary selenium-nitrogen species. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 1415-1417		37
688	Synthesis and Investigation of 2,6-Bis(picrylarnino)-3,5-dinitro-pyridine (PYX) and Its Salts. <i>Chemistry - A European Journal</i> , 2016 , 22, 8619-26	4.8	37
687	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	1.7	36
686	Polynitroethyl- and fluorodinitroethyl substituted boron esters. <i>Chemistry - A European Journal</i> , 2013 , 19, 12113-23	4.8	36
685	Pressure induced polymorphism in ammonium azide (NH4N3). <i>Chemical Physics</i> , 2011 , 386, 41-44	2.3	36
684	Barium Salts of Tetrazole Derivatives Synthesis and Characterization. <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , 35, 395-406	1.7	36
683	Studies on the properties of organoselenium(IV) fluorides and azides. <i>Inorganic Chemistry</i> , 2008 , 47, 4713-22	3.2	36
682	Confined Detection of High-Energy-Density Materials. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6694-6699	3.9	36
681	Energetic Materials Designing Bench (EMDB), Version 1.0. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 854-856	1.7	35
680	Synthesis of Energetic Nitrocarbamates from Polynitro Alcohols and Their Potential as High Energetic Oxidizers. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6329-35	4.2	35
679	Highly sensitive ammonium tetraazidoaurates(III). <i>Inorganic Chemistry</i> , 2005 , 44, 9625-7	5.1	35
678	Synthesis and Structures of Triorganotelluronium Pseudohalides. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 2701-2709	2.3	35
677	Antitumor activity of ionic niobocene and molybdenocene complexes in high oxidation states. <i>Journal of Cancer Research and Clinical Oncology</i> , 1992 , 118, 216-21	4.9	35
676	Energetic Compounds 2017 ,		35
675	Fabrication of PAN-TCF-hydrazone nanofibers by solution blowing spinning technique: Naked-eye colorimetric sensor. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 2515-2523	6.8	34
674	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	1.3	34

673	Synthesis of functionalized tetrazenes as energetic compounds. <i>Journal of Organic Chemistry</i> , 2009 , 74, 2460-6	4.2	34
672	Dinitromethyltetrazole and its Salts I A Comprehensive Study. <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , 35, 114-129	1.7	34
671	A review on fulminating gold (Knallgold) 2008 , 41, 305-317		34
670	Ab initio calculations of the open-chain N 6 diazide molecule. <i>Computational and Theoretical Chemistry</i> , 2000 , 499, 99-104		34
669	Fluorination of polycrystalline diamond films and powders. An investigation using FTIR spectroscopy, SEM, energy-filtered TEM, XPS and fluorine-18 radiotracer methods. <i>Journal of Materials Chemistry</i> , 2001 , 11, 879-886		34
668	Electrospun Nanofibers from a Tricyanofuran-Based Molecular Switch for Colorimetric Recognition of Ammonia Gas. <i>Chemistry - A European Journal</i> , 2016 , 22, 4157-63	4.8	34
667	New azidotetrazoles: structurally interesting and extremely sensitive. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 214-24	4.5	33
666	Investigation of different thermal analysis techniques to determine the decomposition kinetics of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane with reduced sensitivity and its cured PBX. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 126, 267-274	6	33
665	Di(1H-tetrazol-5-yl)methane as Neutral Ligand in Energetic Transition Metal Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 7936-7947	5.1	33
664	Alkaline Earth Metal Salts of 5-Nitro-2H-tetrazole: Prospective Candidates for Environmentally Friendly Energetic Applications. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 769-776	2.3	33
663	Homoleptic selenium cyanides: attempted preparation of Se(CN)4 and redetermination of the crystal structure of Se(CN)2. <i>Inorganic Chemistry</i> , 2008 , 47, 7025-8	5.1	33
662	Synthesis and structural studies on fluorophenylboron azides. <i>Journal of Fluorine Chemistry</i> , 2001 , 112, 73-81	2.1	33
661	Naked-eye facile colorimetric detection of alkylphenols using Fe(III)-impregnated silica-based strips. <i>Chemical Papers</i> , 2018 , 72, 1553-1559	1.9	32
660	CHNO Based Molecules Containing 2,2,2-Trinitroethoxy Moieties as Possible High Energy Dense Oxidizers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2103-2110	1.3	32
659	5-Aminotetrazolium 5-Aminotetrazolates I New Insensitive Nitrogen-rich Materials. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 1812-1822	1.3	32
658	The binary silver nitrogen anion [Ag(N3)2]-. <i>Journal of the American Chemical Society</i> , 2009 , 131, 72-4	16.4	32
657	The unique role of the nitro group in intramolecular interactions: chloronitromethanes. <i>Structural Chemistry</i> , 2010 , 21, 139-146	1.8	32
656	Alkali Salts of 1-Methyl-5-nitriminotetrazole I Structures and Properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007 , 62, 1343-1352	1	32

655	Azolypentazoles as high-energy materials: a computational study. <i>Chemistry - A European Journal</i> , 2003 , 9, 5511-9	4.8	32
654	Structure and Bonding in 2-Diazo-4,6-Dinitrophenol (DDNP). <i>Propellants, Explosives, Pyrotechnics</i> , 2003 , 28, 153-156	1.7	32
653	The ionic isomegetic rule and additivity relationships: estimation of ion volumes. A route to the energetics and entropies of new, traditional, hypothetical, and counterintuitive ionic materials. <i>Inorganic Chemistry</i> , 2004 , 43, 6238-48	5.1	32
652	On the Singlet Diradical Character of S ₂ N ₂ . <i>Journal of Physical Chemistry A</i> , 1998 , 102, 1850-1853	2.8	32
651	The Properties of Energetic Materials 2017 ,		32
650	Energetic derivatives of 5-(5-amino-2H-1,2,3-triazol-4-yl)-1H-tetrazole. <i>Dalton Transactions</i> , 2015 , 44, 17054-63	4.3	31
649	The Energetic Nitrocarbamate O ₂ NN(H)CO[OCH ₂ C(NO ₂) ₃] Derived from Phosgene. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 76-83	1.3	31
648	5,5'-Azoxytetrazolates--a new nitrogen-rich dianion and its comparison to 5,5'-azotetrazolate. <i>Dalton Transactions</i> , 2012 , 41, 11201-11	4.3	31
647	Boron-Based High Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 335-344	1.7	31
646	1-Nitroatoethyl-5-nitriminotetrazole derivatives Shaping future high explosives. <i>Polyhedron</i> , 2011 , 30, 2374-2386	2.7	31
645	The Crystal and Molecular Structure of Mercury Fulminate (Knallquecksilber). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1417-1422	1.3	31
644	1,5-Diamino-4-methyltetrazolium 5-Nitrotetrazolate Synthesis, Testing and Scale-up. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 857-866	1.3	31
643	The first structural characterization of a binary P-N molecule: the highly energetic compound P ₃ N ₂₁ . <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6037-40	16.4	31
642	Definitiver Beweis fü die Existenz von AuF. <i>Angewandte Chemie</i> , 1994 , 106, 223-225	3.6	31
641	Bromine Azide Determination of the Molecular Structure by Electron Diffraction in the Gas Phase. <i>Angewandte Chemie International Edition in English</i> , 1993 , 32, 759-761		31
640	Synthesis and Characterization of Guanidinium Difluoriodate, [C(NH ₂) ₃] ⁺ [IF ₂ O ₂] ⁻ and its Evaluation as an Ingredient in Agent Defeat Weapons <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 660-665	1.3	30
639	Ultrafast cold reactions in the bipropellant monomethylhydrazine/nitrogen tetroxide: CPMD simulations. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4586-9	16.4	30
638	One-Pot Synthesis of Pyridyltellurium Derivatives from a Reaction with Isopropylmagnesium Chloride and X-ray Crystal Structures of Various Pyridyl Ditellurides. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4781-4788	2.3	30

637	Experimental and Theoretical Studies of Homoleptic Tellurium Cyanides Te(CN) _x : Crystal Structure of Te(CN)2. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4764-4769	2.3	30
636	A convenient synthesis of some symmetrical and unsymmetrical diarylmethyl sulfur and selenium compounds: X-ray crystal structure of diphenylmethylseleno-2-propene and bis[p-chlorophenyl(phenyl)methyl] diselenide. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 3327-3334	2.3	30
635	Binden Tellur(IV)-azide: Te(N3)4 und [Te(N3)5]. <i>Angewandte Chemie</i> , 2003 , 115, 6024-6026	3.6	30
634	Preparation and characterization of the first binary arsenic azide species: As(N3)3 and [As(N3)4][AsF6]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 3365-3366		30
633	Inorganic and Transition Metal Azides. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 781-788	1.2	30
632	The 1,3-Diamino-1,2,3-triazolium Cation: A Highly Energetic Moiety. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1509-1517	2.3	29
631	New Nitriminotetrazoles [Synthesis, Structures and Characterization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 271-281	1.3	29
630	Estimation of the Crystalline Density of Nitramine (N-NO ₂ based) High Energy Density Materials (HEDM). <i>Propellants, Explosives, Pyrotechnics</i> , 2001 , 26, 221	1.7	29
629	Homopolyatomic Nitrogen Compounds. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2536-2538	16.4	29
628	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. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19911-19916	16.4	29
627	5-(1H-Tetrazolyl)-2-Hydroxy-Tetrazole: A Selective 2N-Monoxidation of Bis(1H-Tetrazole). <i>ChemPlusChem</i> , 2015 , 80, 97-106	2.8	28
626	High-nitrogen-based pyrotechnics: longer- and brighter-burning, perchlorate-free, red-light illuminants for military and civilian applications. <i>Chemistry - A European Journal</i> , 2012 , 18, 628-31	4.8	28
625	Salts of Tetrazolone [Synthesis and Properties of Insensitive Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 156-166	1.7	28
624	Using the Chemistry of Fireworks To Engage Students in Learning Basic Chemical Principles: A Lesson in Eco-Friendly Pyrotechnics. <i>Journal of Chemical Education</i> , 2010 , 87, 150-156	2.4	28
623	Enhanced detonation sensitivities of silicon analogs of PETN: reaction force analysis and the role of hole interactions. <i>Theoretical Chemistry Accounts</i> , 2010 , 127, 345-354	1.9	28
622	Processes during the Hypergolic Ignition between Monomethylhydrazine (MMH) and Dinitrogen Tetroxide (N ₂ O ₄) in Rocket Engines. <i>Propellants, Explosives, Pyrotechnics</i> , 2005 , 30, 44-52	1.7	28
621	X-Ray Crystal Structures and Quantum Chemical Calculations of Tetraphenyl-arsonium Tetraazidoaurate(III) and Azido(triphenylphosphine)Gold(I). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1669-1674	1.3	28
620	Bis(η -cyclopentadienyl)bis(hexafluoroarsenato)titan(IV): Synthese, Charakterisierung und Struktur. <i>Journal of Organometallic Chemistry</i> , 1988 , 356, 173-179	2.3	28

619	Tetrazole-5-carboxylic acid based salts of earth alkali and transition metal cations. <i>Inorganic Chemistry</i> , 2009 , 48, 9549-56	5.1	27
618	Coloring Properties of Various High-Nitrogen Compounds in Pyrotechnic Compositions. <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , 35, 213-219	1.7	27
617	Adducts of (C ₆ F ₅) ₃ B with Selected Nitrogen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 745	1.3	27
616	Synthesis, Characterization, and Crystal Structures of Various Energetic Urotropinium Salts with Azide, Nitrate, Dinitramide and Azotetrazolate Counter Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2901-2906	1.3	27
615	Synthesis and Structures of Bis(pentafluorophenyl) Selenoxide / Telluroxide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 145-150	1	27
614	Characterization of Palladium(II) Azide and Crystal Structure of Bis(azido)bis(pyridine)palladium(II) and Tetramminepalladium Tetraazidopalladate(II). <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 523-526	2.3	27
613	Does Diisooxocyan (OCN ₂ NCO) Exist?. <i>Inorganic Chemistry</i> , 1996 , 35, 4791-4793	5.1	27
612	Iodine Azide. Molecular Structure from Gas-Phase Electron Diffraction. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 10095-10097		27
611	Synthesis and Investigation of Advanced Energetic Materials Based on Bispyrazolymethanes. <i>Angewandte Chemie</i> , 2016 , 128, 16366-16369	3.6	27
610	An Energetic N-Oxide and N-Amino Heterocycle and its Transformation to 1,2,3,4-Tetrazine-1-oxide. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 491-497	1.7	26
609	Synthesis and Characterization of 3,3?-Bis(Dinitromethyl)-5,5?-Azo-1H-1,2,4-Triazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 1453-1457	1.3	26
608	Nitrogen-Rich Salts Based on the Energetic 5,5?-(Hydrazine-1,2-diy)bis[1H-tetrazolide] Anion. <i>Helvetica Chimica Acta</i> , 2009 , 92, 977-996	2	26
607	Reaction force analyses of nitro-acid tautomerizations of trinitromethane, the elusive trinitromethanol, picric acid and 2,4-dinitro-1H-imidazole. <i>Theoretical Chemistry Accounts</i> , 2009 , 124, 355-363	1.9	26
606	Safe 5-nitrotetrazolate anion transfer reagents. <i>Dalton Transactions</i> , 2009 , 1835-41	4.3	26
605	Computational study on 2,6-diamino-3,5-dinitropyrazine and its 1-oxide and 1,4-dioxide derivatives. <i>Computational and Theoretical Chemistry</i> , 2010 , 953, 18-23		26
604	Hands on explosives: Safety testing of protective measures. <i>Safety Science</i> , 2010 , 48, 28-34	5.8	26
603	Synthesis and Characterization of 3,5-Diamino-1,2,4-triazolium Dinitramide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2555-2564	1.3	26
602	A model high surface area alumina-supported palladium catalyst. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 565-7	3.6	26

601	Pyrolysis experiments and thermochemistry of mononitrobiuret (MNB) and 1,5-dinitrobiuret (DNB). <i>Combustion and Flame</i> , 2004 , 139, 358-366	5.3	26
600	Hydrides and iodides of gold. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2269-71	16.4	26
599	Plume Deposits from Bipropellant Rocket Engines: Methylhydrazinium Nitrate and N,N-Dimethylhydrazinium Nitrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 2011-2015	1.3	26
598	Bis(pentafluorophenyl)boron azide: synthesis and structural characterization of the first dimeric boron azide. <i>Chemical Communications</i> , 2000 , 667-668	5.8	26
597	Reactivity of Lewis acids towards nitriles; crystal structure and electron deformation density of C ₂ N ₂ BF ₅ and photoelectron spectrum of AsF ₅ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 537-543		26
596	Melt-cast materials: combining the advantages of highly nitrated azoles and open-chain nitramines. <i>New Journal of Chemistry</i> , 2016 , 40, 6059-6069	3.6	26
595	Tetranitroethane. <i>Chemical Communications</i> , 2016 , 52, 916-8	5.8	25
594	Synthesis and Characterization of 2,2'-Dinitramino-5,5'-bi(1-oxa-3,4-diazole) and Derivatives as Economic and Highly Dense Energetic Materials. <i>Chemistry - A European Journal</i> , 2017 , 23, 12087-12091	4.8	25
593	Hydroxylammonium 5-Nitriminotetrazolates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 302-310	1.3	25
592	Energetic salts of the binary 5-cyanotetrazolate anion ([C ₂ N ₅] ⁻) with nitrogen-rich cations. <i>Chemistry - A European Journal</i> , 2011 , 17, 1683-95	4.8	25
591	Thermochemistry of Species Potentially Formed During NTO/MMH Hypergolic Ignition. <i>Propellants, Explosives, Pyrotechnics</i> , 2008 , 33, 209-212	1.7	25
590	First structural characterization of guanidine, HN=C(NH ₂) ₂). <i>Chemical Communications</i> , 2007 , 3180-2	5.8	25
589	Triazidotrinitro Benzene: 1,3,5-(N ₃) ₃ -2,4,6-(NO ₂) ₃ C ₆ . <i>Propellants, Explosives, Pyrotechnics</i> , 2002 , 27, 7-11	1.7	25
588	Synthesis and Characterization of Hydrazinium Azide Hydrazinate. <i>Propellants, Explosives, Pyrotechnics</i> , 2001 , 26, 161	1.7	25
587	Synthesis, Characterization, and Thermal Decomposition Kinetics of Nitrogen-Rich Energetic Biopolymers from Aminated Giant Reed Cellulosic Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 22677-22689	3.9	24
586	Synthesis of 5-(1H-Tetrazolyl)-1-hydroxy-tetrazole and Energetically Relevant Nitrogen-Rich Ionic Derivatives. <i>Propellants, Explosives, Pyrotechnics</i> , 2014 , 39, 550-557	1.7	24
585	Salts of 5-(5-Azido-1H-1,2,4-triazol-3-yl)tetrazol-1-ol: From Highly Sensitive Primary Explosives to Insensitive Nitrogen-Rich Salts. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5641-5651	2.3	24
584	Copper Salts of Halo Tetrazoles: Laser-Ignitable Primary Explosives. <i>Journal of Energetic Materials</i> , 2012 , 30, 40-54	1.6	24

583	Calculation of Some Thermodynamic Properties and Detonation Parameters of 1-Ethyl-3-Methyl-H-Imidazolium Perchlorate, [Emim][ClO ₄], on the Basis of CBS-4M and CHEETAH Computations Supplemented by VBT Estimates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 1308-1313	1.3	24
582	The dianion of 5-cyanoiminotetrazoline: C ₂ N ₆ 2-. <i>Inorganic Chemistry</i> , 2005, 44, 5949-58	5.1	24
581	4,10-Dinitro-2,6,8,12-tetraoxa-4,10-diazaisowurtzitane (TEX): a nitramine with an exceptionally high density. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, o580-1		24
580	First synthesis and structures of aryltellurium(IV) diazides. <i>Inorganic Chemistry</i> , 2000, 39, 5426-7	5.1	24
579	Zerfall von Nitrosylazid, N ₄ O: Existieren auch cyclische Stickstoff-Oxide?. <i>Chemische Berichte</i> , 1995, 128, 201-203		24
578	Iodazid. <i>Angewandte Chemie</i> , 1993, 105, 289-290	3.6	24
577	A promising energetic biopolymer based on azide-functionalized microcrystalline cellulose: Synthesis and characterization. <i>Carbohydrate Polymers</i> , 2020, 249, 116820	10.3	24
576	Pentaerythritol-Based Energetic Materials Related to PETN. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 723-729	3.2	23
575	New insensitive nitrogen-rich energetic polymers based on amino-functionalized cellulose and microcrystalline cellulose: Synthesis and characterization. <i>Fuel</i> , 2020, 277, 118258	7.1	23
574	Investigation of 2,2,2-trinitroethyl-nitrocarbamate as a high energy dense oxidizer and its mixture with Nitrocellulose (thermal behavior and decomposition kinetics). <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 128, 397-404	6	23
573	Synthesis, antimicrobial and cytotoxicity study of 1,3-disubstituted-1H-naphtho[1,2-e][1,3]oxazines. <i>European Journal of Medicinal Chemistry</i> , 2012, 56, 195-202	6.8	23
572	Asymmetrically substituted 5,5'-bistriazoles--nitrogen-rich materials with various energetic functionalities. <i>Dalton Transactions</i> , 2013, 42, 11136-45	4.3	23
571	The Facile Synthesis and Energetic Properties of an Energetic Furoxan Lacking Traditional Explosophore Moieties: (E,E)-3,4-bis(oximomethyl)furoxan (DPX1). <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 160-167	1.7	23
570	Synthesis and Characterization of 3,4,5-Triamino-1,2,4-Triazolium 5-Nitrotetrazolate. <i>Propellants, Explosives, Pyrotechnics</i> , 2007, 32, 235-243	1.7	23
569	Synthesis and Characterization of 1-Azido-2-Nitro-2-Azapropane and 1-Nitrotetrazolato-2-Nitro-2-Azapropane. <i>Propellants, Explosives, Pyrotechnics</i> , 2006, 31, 263-268	1.7	23
568	Synthesis and structures of trifluoromethyl-, fluoro-, and azido-substituted hexabenzylhexaazaisowurtzitanes and isolation of a novel hexaazaisowurtzitane-based polycycle. <i>Chemistry - A European Journal</i> , 2003, 9, 687-94	4.8	23
567	The reactivity of perfluoroaryl tellurium(IV) dihalides towards cyanide, crystal structures of (C ₆ F ₅) ₃ TeCl and C ₆ F ₅ TeTeC ₆ F ₅ . <i>Journal of Fluorine Chemistry</i> , 2001, 112, 207-212	2.1	23
566	UF ₃ +A Thermochemically Stable Diatomic Trication with a Covalent Bond. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 137-140	16.4	23

565	Comparison of 1-Ethyl-5H-tetrazole and 1-Azidoethyl-5H-tetrazole as Ligands in Energetic Transition Metal Complexes. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 2018-2028	4.5	22
564	Thermo-analytical study of 2,2,2-trinitroethyl-formate as a new oxidizer and its propellant based on a GAP matrix in comparison with ammonium dinitramide. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 133, 30-38	6	22
563	High-nitrogen-based pyrotechnics: development of perchlorate-free green-light illuminants for military and civilian applications. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1657-63	4.5	22
562	Halogenation of Dibenzoselenophene and Dibenzo[1,2]diselenine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1955-1961	1.3	22
561	Investigation of nitrogen-rich energetic polymers based on alkylbridged bis-(1-methyl-tetrazolylhydrazines). <i>Journal of Polymer Science Part A</i> , 2010 , 48, 122-127	2.5	22
560	Hydrates of 5-Amino-1H-tetrazolium Halogenide Salts. Starting Materials for the Synthesis of Energetic Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2575-2582	1.3	22
559	Alumina-supported boron trifluoride: Catalysis, radiotracer studies and computations. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 1446-1453	2.1	22
558	Ab initio calculations of the polymerization pathways of isocyanic acid HNCO. <i>Computational and Theoretical Chemistry</i> , 2001 , 538, 29-39		22
557	A theoretical and experimental study on the Lewis acid-base adducts (P(4)E(3)).(BX(3)) (E = S, Se; X = Br, I) and (P(4)Se(3)).(NbCl(5)). <i>Inorganic Chemistry</i> , 2001 , 40, 4956-65	5.1	22
556	Synthesis and Structure of the First Titanium(IV) Amino Acid Complexes. <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1518-1519		22
555	Studies of the Reaction Behavior of Nitryl Compounds Towards Azides: Evidence for Tetranitrogen Dioxide, N4O2. <i>Chemische Berichte</i> , 1994 , 127, 2181-2185		22
554	Isomers of Dinitropyrazoles: Synthesis, Comparison and Tuning of their Physicochemical Properties. <i>ChemPlusChem</i> , 2018 , 83, 804-811	2.8	21
553	Polynitro Containing Energetic Materials based on Carbonyldiisocyanate and 2, 2-Dinitropropane-1, 3-diol. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 84-92	1.3	21
552	Synthesis and reactivity of an unexpected highly sensitive 1-carboxymethyl-3-diazonio-5-nitrimino-1,2,4-triazole. <i>New Journal of Chemistry</i> , 2012 , 36, 1463	3.6	21
551	An ab initio valence bond (VB) calculation of the delocalization energy in borazine, B3N3H6. <i>Heteroatom Chemistry</i> , 2005 , 16, 311-315	1.2	21
550	Pentafluorophenyl and phenyl substituted azidoborates. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 1444-1450	1.4	21
549	Determination of the Initiating Capability of Detonators Containing TKX-50, MAD-X1, PETNC, DAAF, RDX, HMX or PETN as a Base Charge, by Underwater Explosion Test. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 92-97	1.7	21
548	Kinetic Parameters of PBX Based on Cis-1,3,4,6-tetranitroocta-hydroimidazo-[4,5-d] imidazole Obtained by Isoconversional Methods using Different Thermal Analysis Techniques. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 468-476	1.7	20

547	C2N14 Ein energetisches und höchst empfindliches binäres Azidotetrazol. <i>Angewandte Chemie, 2011</i> , 123, 4313-4316	3.6	20
546	Synthesis and Characterization of 3,4,5-Triamino-1,2,4-triazolium and 1-Methyl-3,4,5-triamino-1,2,4-triazolium Iodides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008</i> , 634, 61-68	1.3	20
545	Synthesis, Characterization and Explosive Properties of 1,3-Dimethyl-5-amino-1H-tetrazolium 5-Nitrotetrazolate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008</i> , 634, 688-695	1.3	20
544	Synthesis and Spectroscopic Characterization of Azonium Picrate Salts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008</i> , 634, 1017-1024	1.3	20
543	A Bicyclic PB-Bridged 1,3,2,4-Diphosphadiborethane Cation and an Imino(phosphinidene)borane-AlBr ₃ Adduct. <i>European Journal of Inorganic Chemistry, 2005</i> , 2005, 1099-1108	2.3	20
542	Valence bond and molecular orbital studies of three N ₂ O isomers, and valence bond representations for some azide decompositions. <i>Journal of Molecular Modeling, 2001</i> , 7, 271-277	2	20
541	Synthesis and Characterization of Bis(azido)bis(2-chloropyridine)palladium(II), Bis(azido)bis(3-chloropyridine)palladium(II), Bis(azido)bis(quinoline)palladium(II), and the Crystal Structure of Bis(azido)bis(quinoline)palladium(II). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000</i> , 626, 1444-1447	1.3	20
540	Reaction of hydrazinium azide with sulfuric acid: The X-ray structure of [N ₂ H ₆] ₂ [SO ₄]. <i>Polyhedron, 1996</i> , 15, 2579-2582	2.7	20
539	Ionic rhencene derivatives with antitumor activity. <i>Cancer Chemotherapy and Pharmacology, 1992</i> , 29, 361-6	3.5	20
538	Oxalyl Chloride and Hydrazide Based Energetic Polynitro Derivatives. <i>European Journal of Inorganic Chemistry, 2016</i> , 2016, 3086-3093	2.3	20
537	Synthesis, Solvatochromism, Antibacterial Activity and Dyeing Performance of Tricyanofuran-Hydrazone Analogues. <i>ChemistrySelect, 2016</i> , 1, 6805-6809	1.8	20
536	Facile and selective polynitrations at the 4-pyrazolyl dual backbone: straightforward access to a series of high-density energetic materials. <i>New Journal of Chemistry, 2019</i> , 43, 1305-1312	3.6	20
535	The Synthesis and Energetic Properties of 3,4-Bis(2,2,2-trinitroethylamino)furan (BTNEDAF). <i>Propellants, Explosives, Pyrotechnics, 2014</i> , 39, 641-648	1.7	19
534	Improved green-light-emitting pyrotechnic formulations based on tris(2,2,2-trinitroethyl)borate and boron carbide. <i>Chemical Communications, 2014</i> , 50, 9581-3	5.8	19
533	A Strontium- and Chlorine-Free Pyrotechnic Illuminant of High Color Purity. <i>Angewandte Chemie - International Edition, 2017</i> , 56, 16507-16509	16.4	19
532	5-Nitriminotetrazole 1-Oxide: An Exciting Oxygen- and Nitrogen-Rich Heterocycle. <i>European Journal of Inorganic Chemistry, 2015</i> , 2015, 4628-4632	2.3	19
531	Energetic Organic Peroxides Synthesis and Characterization of 1,4-Dimethyl-2,3,5,6-tetraoxabicyclo[2.2.1]heptanes. <i>European Journal of Organic Chemistry, 2015</i> , 2015, 6237-6242	3.2	19
530	The 1,4,5-Triaminotetrazolium Cation (CN ₇ H ₆ ⁺): A Highly Nitrogen-Rich Moiety. <i>European Journal of Inorganic Chemistry, 2012</i> , 2012, 5694-5700	2.3	19

529	Energetic Nitrogen-Rich Salts of 1-(2-Hydroxyethyl)-5-nitriminotetrazole. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4471-4480	2.3	19
528	Low Energy Monopropellants Based on the Guanylurea Cation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 163-175	1.3	19
527	The preparation and characterization of guanylurea nitrate and perchlorate salts. <i>Heteroatom Chemistry</i> , 2008 , 19, 301-306	1.2	19
526	High-Density Energetic Material Hosted in Pure Silica MFI-Type Zeolite Nanocrystals. <i>Advanced Materials</i> , 2006 , 18, 2440-2443	24	19
525	Organotellurium(VI) azides and halides. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14166-75	16.4	19
524	Ab Initio Double-[D95] Valence Bond Calculations for the Ground States of S2N2 and S42+. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 6527-6531	2.8	19
523	CS2N3, A Novel Pseudohalogen. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9052-9053	16.4	19
522	Reaction of AgOCN with NO, NO2, ClNO2, ClNO, and BrNO: Evidence of the Formation of OCN \bullet NO2 and OCN \bullet NO. <i>Inorganic Chemistry</i> , 1996 , 35, 7897-7904	5.1	19
521	Recent Developments in the Chemistry of Binary Nitrogen-Halogen Species. <i>Comments on Inorganic Chemistry</i> , 1994 , 15, 137-169	3.9	19
520	Organo- σ -Bergangsmetall-Chemie hochfluorierter Ligand-Systeme. <i>Journal of Organometallic Chemistry</i> , 1989 , 368, 35-44	2.3	19
519	Nitrogen Triiodide. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 677-679		19
518	Synthesis and characterization of bis(cyclopentadienyl)bis(hexafluoroantimonato) titanium(IV). <i>Polyhedron</i> , 1988 , 7, 1221-1223	2.7	19
517	OZM Ball Drop Impact Tester (BIT-132) vs. BAM Standard Method ■ Comparative Investigation. <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 147-153	1.7	19
516	Less sensitive oxygen-rich organic peroxides containing geminal hydroperoxy groups. <i>Chemical Communications</i> , 2015 , 51, 13298-300	5.8	18
515	Laser Initiation of Tris(carbohydrazide)metal(II) Perchlorates and Bis(carbohydrazide)diperchlorato-copper(II). <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 246-252	1.7	18
514	Energetic Tetrazole N-oxides 2014 , 133-178		18
513	Photosensitive Metal(II) Perchlorates with 1,2-Bis[5-(1-methylhydrazinyl)tetrazol-1-yl]ethane as Ligand: Synthesis, Characterization and Laser Ignition. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 493-498	2.3	18
512	Chlorine-free pyrotechnics: copper(I) iodide as a "green" blue-light emitter. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9665-8	16.4	18

511	(2-Fluoro-2,2-dinitroethyl)-2,2,2-trinitroethylnitramine: A Possible High-Energy Dense Oxidizer. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5871-5878	2.3	18
510	Multiply nitrated high-energy dense oxidizers derived from the simple amino acid glycine. <i>Chemistry - A European Journal</i> , 2013 , 19, 15627-38	4.8	18
509	Synthesis, characterisation and crystal structures of two bi-oxadiazole derivatives featuring the trifluoromethyl group. <i>Chemistry - A European Journal</i> , 2015 , 21, 4238-41	4.8	18
508	Thermally Stable 3,6-Disubstituted 1,2,4,5-Tetrazines. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 1310-1320	1	18
507	Sila-substitution of alkyl nitrates: synthesis, structural characterization, and sensitivity studies of highly explosive (nitratomethyl)-, bis(nitratomethyl)-, and tris(nitratomethyl)silanes and their corresponding carbon analogues. <i>Inorganic Chemistry</i> , 2010 , 49, 4865-80	5.1	18
506	Preparation and crystal structures of two salts with the 5-nitrotetrazolate anion. <i>Heteroatom Chemistry</i> , 2009 , 20, 35-44	1.2	18
505	A reactive Si4 cage: K(SiBu3)3Si4. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 667-672	2.3	18
504	Bis(1,3-dinitratorprop-2-yl) Nitramine, a New Sensitive Explosive Combining a Nitrate Ester with a Nitramine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2343-2346	1.3	18
503	Synthesis and Characterization of a New Class of Energetic Compounds IAmmonium Nitriminotetrazolates. <i>Propellants, Explosives, Pyrotechnics</i> , 2008 , 33, 421-430	1.7	18
502	Strontium Nitriminotetrazolates ISuitable Colorants in Smokeless Pyrotechnic Compositions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2777-2784	1.3	18
501	Crystal Structures of (PPh3)2Pd(N3)2, (AsPh3)2Pd(N3)2, (2-Chloropyridine)2Pd(N3)2, [(AsPh4)2][Pd2(N3)4Cl2], [(PNP)2][Pd(N3)4], [(AsPh4)2][Pt(N3)4] 02 H2O, and [(AsPh4)2][Pt(N3)6]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1751-1758	1.3	18
500	Oligomeric pentafluorophenylboron azides. <i>Dalton Transactions RSC</i> , 2000 , 4635-4638	18	
499	Preparation of N(SeCl)2+X[K = SbCl6 or FeCl4], F3CCSeNSeCCF3+SbCl6]F3CCSeNSeCCF3, F3CCSeNSeCCF3 and F3CCSeSeC(CF3)C(CF3)SeSeCCF3. Electron diffraction study of F3CCSeSeCCF3 and crystal structure of the eight-membered heterocycle F3CCSeSeC(CF3)C(CF3)SeSeCCF3. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 2705-2712	18	
498	The Structures of [X2Y?N?YX2]+ Cations (X ? F, Cl; Y ? S, Se). A Comparison of X-ray and ab Initio Studies[1]. <i>Chemische Berichte</i> , 1995 , 128, 35-40	18	
497	Dikationen des MolybdBocen(VI)- und Wolframocen(VI)-dichlorids. <i>Chemische Berichte</i> , 1989 , 122, 1649-1650	18	
496	Quantitative oxidation of organovanadium(IV) and -niobium(IV) complexes: synthesis of Cp2V(SbF6)2, [Cp2VCl2][AsF6], and [Cp2V(AsF6)2][AsF6]. Crystal structure of [Cp2NbCl2][SbF6]. <i>Organometallics</i> , 1989 , 8, 2953-2956	3.8	18
495	Synthese und konformationsstudien von selen-analoga der metallocen-dithiolen-chelate frBfer Bergangsmetalle. <i>Journal of Organometallic Chemistry</i> , 1986 , 310, 303-309	2.3	18
494	Synthesis and Properties of Tetranitro-Substituted Adamantane Derivatives. <i>ChemPlusChem</i> , 2018 , 83, 61-69	2.8	17

493	(Picrylamino)-1,2,4-triazole Derivatives I Thermally Stable Explosives. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 956-962	2.3	17
492	Isolation of a Moderately Stable but Sensitive Zwitterionic Diazonium Tetrazolyl-1,2,3-triazolate. <i>Journal of Organic Chemistry</i> , 2016 , 81, 6123-7	4.2	17
491	1-Amino-3-nitroguanidine (ANQ) in High-performance Ionic Energetic Materials. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012 , 67, 573-588	1	17
490	Tellurium(IV) Fluorides and Azides containing the Nitrogen Donor Substituent R = 2-Me2NCH2C6H4; Crystal Structure of RTeF3 and of an Unusual Tellurium(VI) Fluoride Salt. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 1618-1626	1.3	17
489	Nitrogenfluorine compounds. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 679-687	2.1	17
488	A Spectroscopic and Structural Study on Sterically Demanding (Mesityl, Nonafluoromesityl, and Supermesityl) Benzeneselenenyl Chlorides/Bromides and Selenocyanates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 1117-1123	1.3	17
487	Synthesis and characterization of [Cp2Ti(CH3CN)3]2+[AsF6]2 19F NMR spectroscopy of titanocene hexafluoroarsenates. <i>Polyhedron</i> , 1989 , 8, 311-315	2.7	17
486	The Exciting Chemistry of 1,1-Diamino-2,2-dinitroethene and 1-Amino-1-hydrazino-2,2-dinitroethene. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 3567-3579	2.8	16
485	Metal salts and complexes of 1,1'-dinitramino-5,5'-bitetrazole. <i>Dalton Transactions</i> , 2017 , 46, 5033-5040	4.3	16
484	Tailoring the Energetic Properties of 5-(5-Amino-1,2,3-triazol-4-yl)tetrazole and Its Derivatives by Salt Formation: From Sensitive Primary to Insensitive Secondary Explosives. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1720-1729	2.3	16
483	Highly Energetic, Low Sensitivity Aromatic Peroxy Acids. <i>Chemistry - A European Journal</i> , 2016 , 22, 2582-5.8	16	
482	Hyperfast Flow-Field Thermal Gradient GC/MS of Explosives with Reduced Elution Temperatures. <i>Analytical Chemistry</i> , 2018 , 90, 8404-8411	7.8	16
481	1-AminoTriazole Transition-Metal Complexes as Laser-Ignitable and Lead-Free Primary Explosives. <i>Chemistry - A European Journal</i> , 2019 , 25, 1963-1974	4.8	16
480	Pressure-tuned vibrational resonance coupling of intramolecular fundamentals in ammonium azide (NH4N3). <i>Vibrational Spectroscopy</i> , 2012 , 58, 188-192	2.1	16
479	Preparation and characterization of bis[4-dimethylamino-2-pyrimidyl] dichalcogenides (S, Se, Te): X-ray crystal structure of bis[4-dimethylamino-2-pyrimidyl] diselenide and its physicochemical behavior in microemulsion media. <i>Tetrahedron</i> , 2009 , 65, 247-252	2.4	16
478	Intra- and intermolecular electrostatic interactions and their significance for the structure, acidity, and tautomerization behavior of trinitromethane. <i>Journal of Chemical Physics</i> , 2009 , 130, 104304	3.9	16
477	Spirocycle (SiBu3)6Si9Cl2: The First of Its Kind among Group 14 Elements. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3256-3260	2.3	16
476	Theoretical Evidence for Two New Intermediate Xenon Species: Xenon Azide Fluoride, FXe(N(3)), and Xenon Isocyanate Fluoride, FXe(NCO). <i>Inorganic Chemistry</i> , 1997 , 36, 1929-1933	5.1	16

475	Regioselective synthesis of bis(2-halo-3-pyridyl) dichalcogenides (E = S, Se and Te): directed ortho-lithiation of 2-halopyridines. <i>Bioinorganic Chemistry and Applications</i> , 2007 , 2007, 69263	4.2	16
474	Fluorinated tellurium(IV) azides and their precursors. <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 997-1005	2.1	16
473	Some Investigations on Organotellurium(IV) Cyanides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2677-2682	1.3	16
472	Characterisation of the tetrahalophosphonium cations PBrnI _{4-n} ⁿ⁺ (0 ≤ n ≤ 4) by 31P MAS NMR, IR and Raman spectroscopy and the crystal structures of PI ₄ +AlCl ₄ ⁻ PI ₄ +AlBr ₄ ⁻ and PI ₄ +GaI ₄ ⁻ . <i>Dalton Transactions RSC</i> , 2001 , 1880-1889		16
471	The ClSeNSeCl ⁺ cation. An unusual structurally very flexible ion adopting different solid-state structures as deduced by x-ray and ab initio methods. <i>Inorganic Chemistry</i> , 1993 , 32, 5734-5738	5.1	16
470	The preparation and structure of (SeCl ₂) ₂ N ⁺ AsF ₆ ⁻ MeCN containing the first ternary selenium, nitrogen, chlorine cation. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 1390-1391		16
469	Synthese und spektroskopische charakterisierung ionischer triphenyliodopnikogenhexafluoroarsenate des typs [(C ₆ H ₅) ₃ E] ⁺ [AsF ₆] ⁻ (E=P, As, Sb, Bi); bakterizide aktivit ^t von [(C ₆ H ₅) ₃ Bi] ⁺ [AsF ₆] ⁻ . <i>Journal of Organometallic Chemistry</i> , 1989 , 379, 251-257	2.3	16
468	Bildung von Ebxo-bis(β-cyclopentadienyldichlorotitan(IV)) aus β-cyclopentadienyl-tris(methylselenolato)titan(IV). <i>Journal of Organometallic Chemistry</i> , 1990 , 393, 343-348	2.3	16
467	Synthese und spektroskopische Charakterisierung neuer Bis(thiolato)- und Endithiolato-bis(β-cyclopentadienyl)hafnium(IV)-Komplexe / Synthesis and Spectroscopic Characterisation of New Bis(thiolato)- and Endithiolato-bis(β-cyclopentadienyl)hafnium(IV) Complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1985 , 40, 1338-1343	1	16
466	A New Energetic Binder: Glycidyl Nitramine Polymer. <i>Central European Journal of Energetic Materials</i> , 2016 , 13, 289-300	1.3	16
465	Thermal Behavior and Decomposition Kinetics of Bis(2,2,2-trinitroethyl)-oxalate as a High Energy Dense Oxidizer and its Mixture with Nitrocellulose. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 1373-1381	1.7	15
464	Synthesis, Characterization and Properties of Ureido-Furazan Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2018 , 55, 852-862	1.9	15
463	Carbonyl Diisocyanate CO(NCO) ₂ : Synthesis and Structures in Solid State and Gas Phase. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4534-41	2.8	15
462	A Comparative Study on Insensitive Energetic Derivatives of 5-(1,2,4-Triazol-C-yl)-tetrazoles and their 1-Hydroxy-tetrazole Analogues. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2171-2180	1.3	15
461	Copper(I) Bromide: An Alternative Emitter for Blue-Colored Flame Pyrotechnics. <i>Chemistry - A European Journal</i> , 2015 , 21, 15354-9	4.8	15
460	Synthesis and Characterization of Asymmetric 1,2-Dihydroxy-5,5'-bitetrazole and Selected Nitrogen-Rich Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2794-2803	2.3	15
459	Calcium 5-Nitriminotetrazolate A Green Replacement for Lead Azide in Priming Charges. <i>Journal of Energetic Materials</i> , 2011 , 29, 61-74	1.6	15
458	14N NQR in the tetrazole family. <i>Chemical Physics</i> , 2009 , 364, 98-104	2.3	15

457	Nitrogen-Rich Polymers Based on 5-Bromo-1-vinyl-1H-tetrazole. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 1169-1175	3.2	15
456	The structures of delta-PdCl ₂ and gamma-PdCl ₂ : phases with negative thermal expansion in one direction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5677-82	16.4	15
455	Structural and NMR spectroscopic investigations of chair and twist conformers of the P ₂ Se ₈ (2-) anion. <i>Inorganic Chemistry</i> , 2008 , 47, 1663-73	5.1	15
454	2,2,2-Trinitroethanol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007 , 63, o562-o564	15	
453	Erste strukturelle Charakterisierung eines binären P-N-Moleküls: die hochenergetische Verbindung P ₃ N ₂₁ . <i>Angewandte Chemie</i> , 2006 , 118, 6183-6186	3.6	15
452	CS ₂ N ₃ (-)-containing pseudohalide species: an experimental and theoretical study. <i>Inorganic Chemistry</i> , 2004 , 43, 1370-8	5.1	15
451	Methylated Derivatives of Hydrazinium Azide. <i>European Journal of Inorganic Chemistry</i> , 2001 , 2001, 755-760	15	
450	New Ionic, Isoelectronic Analogues of CO ₂ and CS ₂ . <i>Angewandte Chemie International Edition in English</i> , 1994 , 33, 1575-1576	15	
449	Synthese und spektroskopische Charakterisierung neuer Mono(cyclopentadienyl)titan(IV)thiolat-Komplexe des Typs CpTi(SR) _n (Cl)3-n mit n = 1, 2, 3 / Synthesis and Spectroscopic Characterization of New Mono(cyclopentadienyl)titanium(IV) Thiolate Complexes of the Type CpTi(SR) _n (Cl)3-n n = 1,2,3. <i>Zeitschrift Fur Naturforschung - Section B Journal of Natural Sciences</i> , 2010 , 65B, 103-108	1	15
448	Synthesis and characterization of new insensitive and high-energy dense cellulosic biopolymers. <i>Fuel</i> , 2021 , 292, 120347	7.1	15
447	Benchmark properties of 2-, 3- and 4-nitrotoluene: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2017 , 111, 271-278	2.9	14
446	Halogenotrinitromethanes: a combined study in the crystalline and gaseous phase and using quantum chemical methods. <i>Chemistry - A European Journal</i> , 2014 , 20, 12962-73	4.8	14
445	Metal Salts of Dinitro-, Trinitropyrazole, and Trinitroimidazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2139-2148	1.3	14
444	A Study of the 3,3,3-Trinitropropyl Unit as a Potential Energetic Building Block. <i>Chemistry - A European Journal</i> , 2015 , 21, 16229-39	4.8	14
443	Morphological and chemical influences on alumina-supported palladium catalysts active for the gas phase hydrogenation of crotonaldehyde. <i>Journal of Chemical Physics</i> , 2011 , 134, 214704	3.9	14
442	Experimental and theoretical studies on some energetic functionalized trimethylamine derivatives. <i>Chemistry - A European Journal</i> , 2009 , 15, 11341-5	4.8	14
441	Preparation, Characterization, and Sensitivity Data of Some Azidomethyl Nitramines. <i>Propellants, Explosives, Pyrotechnics</i> , 2009 , 34, 13-23	1.7	14
440	The First Selenonium Azides and a Selenonium Selenocyanate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 1831	1.3	14

439	Mixed Chloride/Azide Complexes of Arsenic and Antimony. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 2511-2517	2.3	14
438	DFT and G2MP2 Calculations of the N-N Bond Dissociation Enthalpies and Enthalpies of Formation of Hydrazine, Monomethylhydrazine and Symmetrical and Unsymmetrical Dimethylhydrazine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004 , 59, 148-152	1	14
437	Synthesis, Characterization, Crystal Structure, and hybrid DFT Computation of Antimony(III) Chloride Diazide, SbCl(N3)2. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 81-84	1.3	14
436	Synthesis and Characterization of the Lewis Acid-Base Complexes SbCl5 \square LB (LB = ICN, BrCN, ClCN, 1/2(CN)2, NH2CN, Pyridine) \square Combined Theoretical and Experimental Investigation. The Crystal Structures of SbCl5 \square NCNCl and SbCl5 \square NCCN \square SbCl5. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1582-1588	1.3	14
435	Synthesis and characterization of new azido(o-phenylenedioxy)boranes and azidobicyclononylboranes \square <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 4283-4286		14
434	Laboratory Scale Direct Synthesis of Pure AuF3. <i>Chemische Berichte</i> , 1995 , 128, 957-958		14
433	Azidoiodoiodine(1+) Hexafluoroantimonate: The First Binary Nitrogen-Bdine Cation. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 1338-1339		14
432	Homopolyatomic and heteropolyatomic halogen cations. <i>Heteroatom Chemistry</i> , 1993 , 4, 543-552	1.2	14
431	The energetic 3-trinitromethyl-5-nitramino-1H-1,2,4-triazole and nitrogen-rich salts. <i>New Journal of Chemistry</i> , 2017 , 41, 3068-3072	3.6	13
430	Energetic Improvements by N-Oxidation: Insensitive Amino-Hydroximoyl-Tetrazole-2N-Oxides. <i>Journal of Energetic Materials</i> , 2015 , 33, 191-201	1.6	13
429	Energetic Salts of 5-(5-Azido-1H-1,2,4-triazol-3-yl)tetrazole. <i>Propellants, Explosives, Pyrotechnics</i> , 2014 , 39, 793-801	1.7	13
428	Asymmetric fluorodinitromethyl derivatives of 2,2,2-trinitroethyl N-(2,2,2-trinitroethyl)carbamate. <i>Journal of Fluorine Chemistry</i> , 2013 , 156, 253-261	2.1	13
427	A Selection of Alkali and Alkaline Earth Metal Salts of 5,5?-Bis(1-hydroxytetrazole) in Pyrotechnic Compositions. <i>Propellants, Explosives, Pyrotechnics</i> , 2013 , 38, 448-459	1.7	13
426	Crystal Structures of Furazanes. <i>Crystals</i> , 2015 , 5, 418-432	2.3	13
425	Novel Insensitive Energetic Nitrogen-rich Polymers Based on Tetrazoles. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 714-718	1	13
424	Synthesis of N-[1-(2-Hydroxyethyl)-1H-tetrazol-5-yl]-N-methylhydrazine as Polymeric Precursor. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 275-281	3.2	13
423	Alkyl-Bridged Bis-5-azidotetrazoles: A Safe Way of Preparation. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 4284-4289	3.2	13
422	Crystal Structure of the First Monomeric Organotellurium(IV) Oxide: Bis(2-dimethylaminomethylphenyl)tellurium(IV) Oxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009 , 184, 1347-1354	1	13

421	Synthesis and Structures of Triorganochalcogenium (Te, Se, S) Dinitramides. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 4413-4419	2.3	13
420	Hydride und Iodide des Goldes. <i>Angewandte Chemie</i> , 2002 , 114, 2373-2375	3.6	13
419	On the bonding, structure and thermodynamics of phosphorus halide boron halide complexes X3P ₂ BY3 (X, Y=Cl, Br, I). <i>Computational and Theoretical Chemistry</i> , 2001 , 543, 285-297		13
418	Experimental and Theoretical Study on the Structure of Nitramide H ₂ NNO ₂ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 151-156	1	13
417	Preparation of the first iminodisulfurylazide: A nitrogen bound covalent azide containing an N ₄ unit. <i>Polyhedron</i> , 1996 , 15, 1405-1407	2.7	13
416	Bromazid - Bestimmung der Molek \ddot{u} struktur durch Elektronenbeugung in der Gasphase. <i>Angewandte Chemie</i> , 1993 , 105, 773-774	3.6	13
415	The Raman spectrum of tetraselenium tetranitride Se ₄ N ₄ . <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1990 , 46, 1371-1373		13
414	Synthese, struktur, thermodynamik und reaktivit \ddot{e} von metallocenhexafluoropnikogenat-komplexen der 4. bis 7. gruppe. <i>Journal of Organometallic Chemistry</i> , 1990 , 398, 1-52	2.3	13
413	Synthesis and ring inversion of the first ditallurolene chelate, [(B-C ₅ H ₅) ₂ Ti(Te ₂ C ₆ H ₄)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 1192-1193		13
412	3-Bromotetrazine: labelling of macromolecules monosubstituted bifunctional -tetrazines. <i>Chemical Science</i> , 2020 , 11, 3042-3047	9.4	13
411	Energetic Materials Based on 5,7-Dinitrobenzotriazole and 4,6-Dinitrobenzotriazol-3-i um 1-Oxide Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 138-147	2.3	13
410	New insensitive high-energy dense biopolymers from giant reed cellulosic fibers: their synthesis, characterization, and non-isothermal decomposition kinetics. <i>New Journal of Chemistry</i> , 2021 , 45, 5099-5113	3.6	13
409	Application of headspace and direct immersion solid-phase microextraction in the analysis of organothiophosphates related to the Chemical Weapons Convention from water and complex matrices. <i>Talanta</i> , 2017 , 174, 295-300	6.2	12
408	Midway between Energetic Molecular Crystals and High-Density Energetic Salts: Crystal Engineering with Hydrogen Bonded Chains of Polynitro Bipyrazoles. <i>Crystal Growth and Design</i> , 2020 , 20, 755-764	3.5	12
407	Asymmetric Carbamate Derivatives Containing Secondary Nitramine, 2,2,2-Trinitroethyl, and 2-Fluoro-2,2-dinitroethyl Moieties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 6028-6036	2.3	12
406	Synthesis of Glycidyl-5-(carboxyethyl-1H-tetrazole)polymer and 1,2-Bis(5-carboxyethyl-1H-tetrazolyl)ethane as Polymeric Precursor. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 509-514	3.2	12
405	Synthesis and Energetic Properties of 4-Diazo-2,6-dinitrophenol and 6-Diazo-3-hydroxy-2,4-dinitrophenol. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 4311-4315	3.2	12
404	Hydrazinium Nitriminotetrazolates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 1273-1276	13	12

403	Preparation and characterization of symmetrical bis[4-chloro-2-pyrimidyl] dichalcogenide (S, Se, Te) and unsymmetrical 4-chloro-2-(arylchalcogenyl) pyrimidine: X-ray crystal structure of 4-chloro-2-(phenylselanyl) pyrimidine and 2-(p-tolylselanyl)-4-chloropyrimidine. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 835-840	2.3	12
402	First X-ray crystal structure of cation [cis-Co(en) ₂ (H ₂ O)Cl] ₂ ⁺ : Synthesis, spectroscopic and X-ray structural study of [cis-Co(en) ₂ (H ₂ O)Cl](C ₆ H ₅ SO ₃) ₂ ·H ₂ O. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 139-142	3.1	12
401	Chlorination and Bromination of Dialkyl Tellurides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 229-234	1.3	12
400	N,N ² -Diorganylsubstituted Hydrazinium Azides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 322-325	1.3	12
399	Calculated and Experimentally Obtained Heats of Combustion of Hydrazinium Nitrate, Monomethylhydrazinium Nitrate, and N, N-Dimethylhydrazinium Nitrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2372-2374	1.3	12
398	Increased valence (qualitative valence bond) descriptions of the electronic structures of electron-rich fluorine-containing molecules. <i>Journal of Fluorine Chemistry</i> , 2003 , 123, 5-20	2.1	12
397	The conversion of AsF ₅ and SbF ₅ into novel arsenic- and antimony(V) pseudohalogen species: preparation, characterization and hybrid DFT computation of Lewis base stabilized M(N ₃) ₅ species (M=As, Sb). <i>Journal of Fluorine Chemistry</i> , 2001 , 109, 151-162	2.1	12
396	New Hydrazinium Azide Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1477-1482	1.3	12
395	Synthesis and Characterization of Tetraphenylphosphonium Tetraazidoborate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 621-624	1	12
394	Catalytic fluorination of trichloroethene by anhydrous hydrogen fluoride in the presence of fluorinated chromia under static conditions. Synthesis of [18F]-labelled CF ₃ CH ₂ F and [36Cl]-labelled CF ₃ CH ₂ Cl. Catalytic dehydrofluorination of CF ₃ CH ₂ F and CF ₃ CH ₂ Cl. <i>Journal of Fluorine Chemistry</i> , 2000 , 102, 279-284	2.1	12
393	Synthesis and X-ray Structure Determination of tert-Butylhydrazinium Azide and N,N,N-Trimethylhydrazinium Azide. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 849-852	2.3	12
392	1,1,1,2,2-Pentaiododiphosphonium cations, P ₂ I ₅ +EI ₄ ⁺ (E = Al, Ga or In): synthesis and characterisation by ³¹ P MAS NMR, IR and Raman spectroscopy. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 1729-1734	12	
391	Nitration of hydrogen cyanide with nitryl tetrafluoroborate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 3237-3241	12	
390	Preparation and X-ray crystal structure of caesium imidodisulphuryl fluoride Cs[N(SO ₂ F) ₂]. <i>Journal of Fluorine Chemistry</i> , 1996 , 78, 51-53	2.1	12
389	Die Reaktivitt des I ₃ ⁺ -Kations gegener Ammoniak, Nitrilen und Pyridin. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1990 , 586, 93-98	1.3	12
388	The preparation and characterization by Raman spectroscopy of PI ₄ +AsF ₆ ⁻ containing the tetraiodophosphonium cation. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 132-133	12	
387	Synthese, spektroskopische Charakterisierung und bakterizide Wirksamkeit neuer Organylbis(thiophenolato)bismut(III)-Komplexe. <i>Journal of Organometallic Chemistry</i> , 1987 , 331, 299-307 ²⁻³	12	
386	Studies on Energetic Salts Based on (2,4,6-Trinitrophenyl)guanidine. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 217-222	1.7	12

385	2-Methyl-substituted monotetrazoles in copper(II) perchlorate complexes: manipulating coordination chemistry and derived energetic properties. <i>New Journal of Chemistry</i> , 2019 , <i>43</i> , 609-616	3.6	12
384	Covalent Inorganic Nonmetal Azides 1995 , 51-62		12
383	Tetranitromethane: A Nightmare of Molecular Flexibility in the Gaseous and Solid States. <i>Angewandte Chemie - International Edition</i> , 2017 , <i>56</i> , 9619-9623	16.4	11
382	Investigation Of Crystallisation Conditions to Produce CL-20/HMX Cocrystal for Polymer-bonded Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , <i>44</i> , 668-678	1.7	11
381	Energetic Compounds Based on 3,4-Bis(4-nitramino- 1,2,5-oxadiazol-3-yl)-1,2,5-furoxan (BNAFF). <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , <i>43</i> , 355-363	1.7	11
380	Copolymers based on GAP and 1,2-Epoxyhexane as Promising Prepolymers for Energetic Binder Systems. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , <i>43</i> , 126-135	1.7	11
379	Synthetic Routes to a Triazole and Tetrazole with Trinitroalkyl Substitution at Nitrogen. <i>Journal of Organic Chemistry</i> , 2018 , <i>83</i> , 10505-10509	4.2	11
378	Investigations of the Vicarious C-Aminations of 5,7-Dinitrobenzotriazole and 4,6-Dinitrobenzotriazol-3-iium-1-oxide and Their Energetic Properties. <i>Chemistry - A European Journal</i> , 2015 , <i>21</i> , 16073-82	4.8	11
377	Synthetic and Structural Studies on Methyl-, tert-Butyl- and Phenylmercury(II) Azide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , <i>637</i> , 507-514	1.3	11
376	Convenient Room-Temperature, Mercury-Assisted Synthesis of Tetrazoles by 1,3-Dipolar Cycloaddition. <i>European Journal of Inorganic Chemistry</i> , 2011 , <i>2011</i> , 422-428	2.3	11
375	An Ionic Liquid Designed for Coordination Chemistry Revisited: Synthetic Routes and Safety Tests for 1-Ethyl-3-methylimidazolium Perchlorate ([emim][ClO ₄]). <i>European Journal of Inorganic Chemistry</i> , 2011 , <i>2011</i> , 4862-4868	2.3	11
374	Metal Fluorocarbon Pyrolants: XI. Radiometric Performance of Pyrolants Based on Magnesium, Perfluorinated Tetrazolates, and Viton A. <i>Propellants, Explosives, Pyrotechnics</i> , 2010 , <i>35</i> , 248-253	1.7	11
373	High energetic materials: Reaction of Azides with Dioxygenyl Salts. <i>Propellants, Explosives, Pyrotechnics</i> , 1997 , <i>22</i> , 51-54	1.7	11
372	Structural and Preliminary Explosive Property Characterizations of New 3,4,5-Triamino-1,2,4-triazolium (Guanazinium) Salts. <i>Propellants, Explosives, Pyrotechnics</i> , 2008 , <i>33</i> , 336-346	1.7	11
371	Synthesis and Structures of Cycloalkanetellurium(IV) Fluorides and Azides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006 , <i>61</i> , 528-534	1	11
370	Synthesis and X-ray structure of 1,1-dimethylhydrazinium azide. <i>Polyhedron</i> , 1999 , <i>18</i> , 717-719	2.7	11
369	Homopolyatomare Stickstoffverbindungen. <i>Angewandte Chemie</i> , 1999 , <i>111</i> , 2694-2696	3.6	11
368	Possible Intermediate Formation of Cyclic Nitrous Oxide, N(2)O: Reaction of Oxygen Difluoride, OF(2), with Cesium Azide, CsN(3). <i>Inorganic Chemistry</i> , 1999 , <i>38</i> , 3006-3009	5.1	11

367	Kationische Stickstoff- und Arsen-koordinierte Titanocenbischafafluoroarsenat-Komplexe. <i>Journal of Organometallic Chemistry</i> , 1991 , 402, 349-354	2.3	11
366	Mono(η -cyclopentadienyl)-titan(IV)- und -zirconium(IV)-komplexe mit einem oder zwei toluol-3,4-dithiolat-liganden. <i>Journal of Organometallic Chemistry</i> , 1986 , 307, 319-325	2.3	11
365	Antitumor properties of some titanocene chalcogenates. <i>Inorganica Chimica Acta</i> , 1988 , 153, 119-122	2.7	11
364	The preparation and characterisation by Raman spectroscopy of $\text{AsBr}_4\text{+AsF}_6^-$ containing the tetrabromoarsenic(V) cation. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 1426-1427		11
363	Chemical design and characterization of cellulosic derivatives containing high-nitrogen functional groups: Towards the next generation of energetic biopolymers. <i>Defence Technology</i> , 2021 ,	3	11
362	Efficient Synthesis of Primary Nitrocaramates of Sugar Alcohols: From Food to Energetic Materials. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 568-75	4.5	11
361	Energetic Sila-Nitrocaramates: Silicon Analogues of Neo-Pentane Derivatives. <i>Inorganic Chemistry</i> , 2016 , 55, 4683-92	5.1	11
360	Synthesis and Initiation Capabilities of Energetic Diazodinitrophenols. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 48-55	1.3	11
359	Gas-phase Concentration of Triacetone Triperoxide (TATP) and Diacetone Diperoxide (DADP). <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 623-634	1.7	10
358	Energetic Metal and Nitrogen-Rich Salts of the Pentaerythritol Tetranitrate Analogue Pentaerythritol Tetranitrocaramate. <i>Inorganic Chemistry</i> , 2019 , 58, 2881-2887	5.1	10
357	Phase transitions of cesium azide at pressures up to 30 GPa studied using <i>in situ</i> Raman spectroscopy. <i>Journal of Applied Physics</i> , 2015 , 117, 165901	2.5	10
356	Convenient synthesis of energetic polynitro materials including (NO) CCHCHNH -salts via Michael addition of trinitromethane. <i>Dalton Transactions</i> , 2016 , 45, 18909-18920	4.3	10
355	Chlorfreie Pyrotechnik: Grüne Emission blauen Lichtes durch Kupfer(I)-iodid. <i>Angewandte Chemie</i> , 2014 , 126, 9820-9823	3.6	10
354	Energetic Complexes of 5-(4-Amino-1,2,4-triazol-3-on-5-yl)tetrazole and Ionic Derivatives of its 2N-Oxide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2759-2765	1.3	10
353	Preparation of Energetic Poly(azoly)borates as New Environmentally Benign Green-Light-Emitting Species for Pyrotechnics. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 2433-2443	1.3	10
352	Aliphatic nitroalkanes: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Thermochimica Acta</i> , 2017 , 656, 151-160	2.9	10
351	Preparation and Crystal Structure of 5-Azido-3-nitro-1H-1,2,4-triazole, Its Methyl Derivative and Potassium Salt. <i>Crystals</i> , 2012 , 2, 294-305	2.3	10
350	The Reactivity of 5-Cyanotetrazole towards Water and Hydroxylamine. <i>ChemPlusChem</i> , 2012 , 77, 877-888.8		10

349	Energetic Materials Based on the 5-Azido-3-nitro-1, 2,4-triazolate Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1746-1755	1.3	10
348	Explosives Based on Diaminourea. <i>Propellants, Explosives, Pyrotechnics</i> , 2011 , 36, 225-232	1.7	10
347	Applications of High-Nitrogen Energetics in Pyrotechnics: Development of Perchlorate-Free Red Star M126A1 Hand-Held Signal Formulations with Superior Luminous Intensities and Burn Times. <i>Propellants, Explosives, Pyrotechnics</i> , 2011 , 36, 373-378	1.7	10
346	Does $[I_3]^+$ act as an " $[I]^+$ " donor to CH ₃ CN and N ₂ O? Structure of [H ₃ CCN-I-NCCH ₃] ⁺ [AsF ₆] ⁻ . <i>Inorganic Chemistry</i> , 2009 , 48, 9983-5	5.1	10
345	Synthesis and Crystal Structures of New 5,5'-Azotetrazolates. <i>Crystals</i> , 2012 , 2, 127-136	2.3	10
344	Diaminouronium Nitriminotetrazolates Thermally Stable Explosives. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2357-2363	1.3	10
343	Synthesis, structural characterization and semiempirical calculations of the ruthenium azide complex [Ru(tpy)(PPh ₃) ₂ (N ₃)][ClO ₄]. <i>Journal of Organometallic Chemistry</i> , 1998 , 559, 165-171	2.3	10
342	Synthesis of Unsymmetrical Pyridyl Aryl Selenides by the Reductive Cleavage of Se-Se Bond. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008 , 183, 992-997	1	10
341	SPIN DENSITY OF SPIN-FREE VALENCE BOND WAVE FUNCTIONS AND ITS IMPLEMENTATION IN VB2000. <i>Journal of Theoretical and Computational Chemistry</i> , 2008 , 07, 853-867	1.8	10
340	Synthesis and Crystal Structure of (CH ₃ NH ₃) ₂ [Cu(NO ₃) ₄]: a Rare Example of a Tetranitratocuprate(II) with a Light Cation of the Type M ₂ [Cu(NO ₃) ₄]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 892-894	1.3	10
339	Formation of Unexpected Selenium-Rich Compounds by Selenation of the Very Bulky (PhMe ₂ Si) ₃ CLi: s-Tetraselenane, a Novel Polyseleno Heterocycle. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2937-2941	2.3	10
338	A comparative study on structures and theoretical models of Rh azido complexes. <i>Journal of Organometallic Chemistry</i> , 2002 , 654, 170-175	2.3	10
337	SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF BERYLLIUM AZIDE AND TWO DERIVATIVES. <i>Main Group Metal Chemistry</i> , 1999 , 22,	1.6	10
336	Preparation of AsF ₄ +PtF ₆ containing the tetrafluoroarsenic(V) cation. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 446-448		10
335	Azidoiodoiod(1 +)-hexafluoroantimonat: Das erste binäre Stickstoff-Iod-Kation. <i>Angewandte Chemie</i> , 1992 , 104, 1391-1392	3.6	10
334	Stickstofftriiodid. <i>Angewandte Chemie</i> , 1990 , 102, 726-727	3.6	10
333	Reactions of the novel [Cp ₂ MoCl ₂] ²⁺ cation with organothiolates to give molybdenocene (VI) dithiolates and the oxidation of Cp ₂ Mo(SR) ₂ to give [Cp ₂ Mo(SR) ₂] ²⁺ . <i>Inorganica Chimica Acta</i> , 1990 , 169, 1-3	2.7	10
332	Metallocen-chemie hochfluorierter ligand-systeme XI. Synthese und charakterisierung von Cp ₂ Ti(SbF ₆) ₂ und Cp ₂ Ti(Sb ₂ F ₁₁) ₂ ; struktur von Cp ₂ Ti(SbF ₆) ₂ und Cp ₂ V(SbF ₆) ₂ . <i>Journal of Organometallic Chemistry</i> , 1990 , 385, 345-350	2.3	10

331	Neue Metallacyclen des Titanocen-, Zirconocen- und Hafnocen-Systems mit S,N- und N,N?-koordinierten Chelatliganden. <i>Chemische Berichte</i> , 1986 , 119, 1986-1993	10
330	Potential Energetic Plasticizers on the Basis of 2,2-Dinitropropane-1,3-diol and 2,2-Bis(azidomethyl)propane-1,3-diol. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 806-813	1.7 10
329	Study of Pyrotechnic Blue Strobe Compositions Based on Ammonium Perchlorate and Tetramethylammonium Nitrate. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1113-1119	2.3 9
328	Application of the Transpiration Method To Determine the Vapor Pressure and Related Physico-Chemical Data of Low Volatile, Thermolabile, and Toxic Organo(thio)phosphates. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 2603-2609	2.8 9
327	Synthesis, Characterization, and Properties of Di- and Trinitromethyl-1,2,4-Oxadiazoles and Salts. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 739-750	3 9
326	Is the Volume-Based Thermodynamics (VBT) Approach Valid for the Estimation of the Lattice Enthalpy of Salts Containing the 5, 5?-(Tetrazolate-1N-oxide) Dianion?. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1297-1299	1.3 9
325	Preparation and Crystal Structure of Diaqua($\text{E},\text{5}'$ -bistetrazolato- $\text{N}_1,\text{N}_2,\text{N}_5,\text{N}_6$)copper(II). <i>Crystals</i> , 2012 , 2, 958-966	2.3 9
324	Reaction of $[\text{Xe}-\text{F}]^+$ with HI. <i>Heteroatom Chemistry</i> , 1997 , 8, 473-478	1.2 9
323	Synthesis and characterization of perfluorinated nitriles and the corresponding sodium 5-perfluoroalkyltetrazolate salts. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 1199-1205	2.1 9
322	Mercury fulminate: $\text{ONCH}_2\text{HgONO}$ or CNOHgONC ? A DFT study. <i>Computational and Theoretical Chemistry</i> , 2008 , 848, 94-97	9
321	Chemistry of $\text{C}_6\text{F}_5\text{SeLi}$ and $\text{C}_6\text{F}_5\text{SeCl}$: Precursors to New Pentafluorophenylselenium(II) Compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004 , 59, 547-553	1 9
320	1-Fluoro-2,4,6-trichloro-1,3,5-triazinium tetrafluoroborate: synthesis, characterization, and ability to effect electrophilic aromatic substitution. <i>Journal of Fluorine Chemistry</i> , 2003 , 124, 229-232	2.1 9
319	Ab initio double-[D95] valence bond calculations for the ground states of NO_2 , O_3 , and ClO_2 . <i>Inorganica Chimica Acta</i> , 2005 , 358, 4131-4136	2.7 9
318	Crystal Structures of the Phosphorus-Boron Adducts $\text{n-Pr}_3\text{P} \square \text{BBr}_3$ and $\text{I}_3\text{P} \square \text{BBr}_3$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000 , 626, 2373-2378	1.3 9
317	Nitrophenyl azides: A combined experimental and theoretical study. <i>Heteroatom Chemistry</i> , 1999 , 10, 548-553	1.2 9
316	Preparation and crystal structure of $[\text{WCl}_2(\text{cp})_2]+2[\text{W}_4\text{F}_{18}]_2$ ($\text{cp} = \text{C}_5\text{H}_5$) containing the new binary tungsten(IV) fluoride anion $[\text{W}_4\text{F}_{18}]_2^-$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 659-662	9
315	Preparation of 1-fluoro-2,4,6-trihalogeno-s-triazinium hexafluoroarsenates: structure of $[\text{C}_3\text{N}_3\text{Cl}_3\text{F}][\text{AsF}_6]$ as deduced by experimental and ab initio methods. <i>Inorganic Chemistry</i> , 1993 , 32, 1523-1524 ^{5,1}	9
314	The diazidoiodine(1+) cation: preparation, identification by Raman spectroscopy, and ab initio quantum mechanical studies. <i>Inorganic Chemistry</i> , 1993 , 32, 5640-5642	5.1 9

313	1,3,5-Triazine adducts with AsF ₅ . Crystal structure of (HCN)3[AsF ₅]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992 , 2055-2058	9
312	AsAlCl, ein Salz des letzten noch fehlenden Tetrahalogenoarsonium-Ions. <i>Angewandte Chemie</i> , 1989 , 101, 1742-1744	3.6 9
311	Synthesis and characterization of novel chalcogen and pnictogen coordinated Bi(III) complexes—the first Se,Se? coordinated Bi metallacycle. <i>Polyhedron</i> , 1987 , 6, 1593-1597	2.7 9
310	Nitrocarbamoyl Azide ONN(H)C(O)N: A Stable but Highly Energetic Member of the Carbonyl Azide Family. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1323-1327	16.4 9
309	Energetic Derivatives of 2-Nitrimino-5,6-dinitro-benzimidazole. <i>Propellants, Explosives, Pyrotechnics</i> , 2015 , 40, 60-66	1.7 8
308	Guanidinium 5,5'-Azotetrazolate: A Colorful Chameleon for Halogen-Free Smoke Signals. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12326-12330	16.4 8
307	Flare or strobe: a tunable chlorine-free pyrotechnic system based on lithium nitrate. <i>Chemical Communications</i> , 2018 , 54, 821-824	5.8 8
306	Higher Performance and Safer Handling: Formulation Based on 2,2,2-Trinitroethyl Formate and Nitrocellulose. <i>ChemPlusChem</i> , 2018 , 83, 128-131	2.8 8
305	A Numerical Method for the Determination of the Virtual Origin Point of Shaped Charge Jets Instead of Using Flash X-ray Radiography. <i>Journal of Energetic Materials</i> , 2018 , 36, 127-140	1.6 8
304	Reactive Nanocomposites as Versatile Additives for Composite Propellants. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1222-1229	1.3 8
303	Green colorants based on energetic azole borates. <i>Chemistry - A European Journal</i> , 2014 , 20, 15947-60	4.8 8
302	The gas phase enthalpies of formation of hydrazine, its methylated derivatives, and the corresponding values for ammonia and its methylated derivatives. <i>Structural Chemistry</i> , 2013 , 24, 1817-1819	1.8 8
301	Silver Salt and Derivatives of 5-Azido-1H-1, 2, 4-triazole-3-[l]carbonitrile. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 899-905	1.3 8
300	Polyfunctional Energetic Nitrates Derived from Tris(hydroxymethyl)aminomethane (Tris). <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 3666-3673	3.2 8
299	Reaction of Copper(I) Nitrotetrazolate (DBX-1) with Sodium m-Periodate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 125-127	1 8
298	Structures of Energetic Acetylene Derivatives HC?CCH ₂ ONO ₂ , (NO ₂) ₃ CCH ₂ C?CCH ₂ (NO ₂) ₃ and Trinitroethane, (NO ₂) ₃ CCH ₃ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 719-731	1 8
297	Paradigms and paradoxes: why is the electron affinity of the azide radical, N ₃ , so large?. <i>Structural Chemistry</i> , 2011 , 22, 189-191	1.8 8
296	Computational study on nitronium and nitrosonium oxalate: potential oxidizers for solid rocket propulsion?. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8680-6	2.8 8

295	Crystal Structures of Mono-, Di-, and Triaminoguanidinium Sulfate, as Well as Azidoformamidinium Sulfate: Important Precursors for Syntheses of Nitrogen Rich Ionic Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009 , 184, 2393-2407	1	8
294	Synthesis and Application of Trimethylsilyl Dinitramide Me ₃ SiN(NO ₂) ₂ as Dinitramide Transfer Reagent; Preparation of Covalent Organotellurium(IV) Dinitramides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 885-888	1.3	8
293	GROUP 15 TRIAZIDES: A COMPREHENSIVE THEORETICAL STUDY AND THE PREPARATION OF BISMUTH TRIAZIDE. <i>Main Group Metal Chemistry</i> , 1997 , 20,	1.6	8
292	The first observation of a Th ³⁺ ion in aqueous solution. <i>Polyhedron</i> , 1997 , 16, 989-991	2.7	8
291	Computed Thermodynamic and Explosive Properties of 1-Azido-2-nitro-2-azapropane (ANAP). <i>Propellants, Explosives, Pyrotechnics</i> , 2008 , 33, 213-218	1.7	8
290	Structure of Bromotnitrosyl Iron, [Fe(NO)3Br], and DFT Calculations of the Structures of [Fe(NO)3X] (X = Cl, Br, I). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 417-420	1.3	8
289	Polyfluorinated hexabenzyl hexaazaisowurtzitanes. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 1030-1035	2.1	8
288	2,4,6-Tri-tert-butylbenzenetellurenyl iodide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o4045-o4046		8
287	Azidotris(trifluoromethyl)germane, (CF ₃) ₃ GeN ₃ : Spectroscopic Characterization and Density Functional Computations. <i>Inorganic Chemistry</i> , 1996 , 35, 4995-4998	5.1	8
286	Das Koordinationsverhalten der Stickstoffbasen R ₃ N (R = H, Cl, I, CH ₃) und des Pyridins gegenüber AsF ₅ in Lösung. <i>Chemische Berichte</i> , 1992 , 125, 407-409		8
285	Metalla-2,5-Dichalcogena Cyclopentenes - S, Se and Te Containing Organometal Heterocycles. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1989 , 41, 105-111	1	8
284	Synthesis and characterization by Raman spectroscopy of AsBr ₄ AsF ₆ ; its thermodynamic and kinetic stability and that of related salts. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 3815-3822		8
283	Synthesis, characterization and mass spectra of the titanocene derivatives Cp ₂ Ti(XC ₆ F ₅) ₂ (X=O, S). <i>Inorganica Chimica Acta</i> , 1987 , 133, 115-117	2.7	8
282	Massenspektroskopische Charakterisierung einiger Metallocendithiolen-Chelate d-elektronenarmer Übergangsmetalle - Synthese von Vanadocentoluol-3,4-dithiolat. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1988 , 558, 217-222	1.3	8
281	Investigation of Structure-Property Relationships of Three Nitroaromatic Compounds: 1-Fluoro-2,4,6-trinitrobenzene, 2,4,6-Trinitrophenyl Methanesulfonate, and 2,4,6-Trinitrobenzaldehyde. <i>Crystal Growth and Design</i> , 2021 , 21, 243-248	3.5	8
280	Nitrotoethyl-5H-tetrazoles: improving the oxygen balance through application of organic nitrates in energetic coordination compounds. <i>Dalton Transactions</i> , 2021 , 50, 10811-10825	4.3	8
279	3-Nitramino-4-nitrofurazan: Enhancing the Stability and Energetic Properties by Introduction of Alkylnitramines. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 619-624	1.3	7
278	Combining Performance with Thermal Stability: Synthesis and Characterization of 5-(3,5-Dinitro-1H-pyrazol-4-yl)-1H-tetrazole and its Energetic Derivatives. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1380-1388	1.3	7

277	Comparison of 1-Propyl-5H-tetrazole and 1-Azidopropyl-5H-tetrazole as Ligands for Laser Ignitable Energetic Materials. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3798-3806	6.1	7
276	Energetic Functionalization of the Pyridazine Scaffold: Synthesis and Characterization of 3,5-Diamino-4,6-dinitropyridazine-1-Oxide. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1004-1010 ²	7	
275	Environmentally safe (chlorine-free): new green propellant formulation based on 2,2,2-trinitroethyl-formate and HTPB.. <i>RSC Advances</i> , 2018 , 8, 11771-11777	3.7	7
274	Selected Nitrocarbamates of Glycerine & Co. and the First Acetylene Derivative. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 211-218	1.3	7
273	Synthesis and Investigation of Energetic Boron Compounds for Pyrotechnics. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1892-1899	1.3	7
272	Synthesis and Characterization of the New Heterocycle 5-(4-Amino-1,2,4-triazol-3-on-5?-yl)-1H-tetrazole and Some Ionic Nitrogen-Rich Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2014 , 51, 85-95	1.9	7
271	Oxalyhydrazinium Nitrate and Dinitrate Efficiency Meets Performance. <i>Journal of Energetic Materials</i> , 2014 , 32, 37-49	1.6	7
270	Silicon-Containing Explosives: Syntheses and Sensitivity Studies of (Azidomethyl)-, Bis(azidomethyl)-, and Tris(azidomethyl)silanes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1075-1079	1.3	7
269	Binary Flash Compositions A Theoretical and Practical Study. <i>Propellants, Explosives, Pyrotechnics</i> , 2013 , 38, 29-34	1.7	7
268	Synthesis and characterization of 5,5?-dibromo-2,2?-dipyridyl disulfide and some of its derivatives: X-ray structure of 5,5?-dibromo-2,2?-dipyridyl disulfide and bis(5-bromopyridine-2-ylthio) methane. <i>Inorganica Chimica Acta</i> , 2009 , 362, 2386-2390	2.7	7
267	The [ICNI] ⁺ cation: a combined experimental and theoretical study. Reaction of [ICNI] ⁺ [AsF ₆] ⁻ with CsN ₃ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1997 , 553-558		7
266	The preparation and x-ray structure of [P(C ₂ H ₅) ₄] ⁺ [N ₃] ⁻ and the attempted preparation of [PH ₄] ⁺ [N ₃] ⁻ <i>Heteroatom Chemistry</i> , 1998 , 9, 129-132	1.2	7
265	Tetrazole f?den sicheren Knall. <i>Nachrichten Aus Der Chemie</i> , 2008 , 56, 645-648	0.1	7
264	Sterically Crowded Terphenylselenium Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1287-1290	1.3	7
263	Facile Synthesis and Crystal Structure of 1,1,1,3-Tetranitro-3-azabutane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1244-1246	1.3	7
262	Dissociation of multiply ionized isocyanic acid through electron impact. <i>Journal of Chemical Physics</i> , 2004 , 120, 123-8	3.9	7
261	Valence bond and molecular orbital studies of the A? bond lengths in some AF _n type molecules and their fluorinated cations. <i>Journal of Fluorine Chemistry</i> , 2003 , 123, 273-278	2.1	7
260	Theoretical studies on the thermodynamic stability and trimerization of BF ₂ N ₃ . <i>Journal of Fluorine Chemistry</i> , 2001 , 111, 45-47	2.1	7

259	Synthesis and Chemistry of CF ₃ C ₆ F ₄ O ₆ F ₄ NH ₂ (RFNH ₂) and Pseudohalogen Derivatives; Crystal Structures of RFX (X = COOH, COCl, CN, N ₃ , NCS, NHCOCONHRF). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 1983-1989	1.3	7
258	DFT Calculations of the Structures and IR Frequencies of the Anionic Fulminate Complexes [Co(CNO) ₆] ³⁻ , [Ni(CNO) ₄] ²⁻ , [Zn(CNO) ₄] ²⁻ , [Pt(CNO) ₄] ²⁻ , [Au(CNO) ₂] ⁻ and [Hg(CNO) ₄] ²⁻ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001 , 56, 1376-1378	1	7
257	1,3-Diphenyl-2,2,4,4,4-hexazido-1,3-diaza-2,4-diphosphetidine: synthesis and structural characterisation of the first nitrogen-penta-coordinated phosphorus with three azide-groups. <i>Chemical Communications</i> , 2000 , 2491-2492	5.8	7
256	Synthesis and characterization of dicyclohexyl telluride; Raman spectra and multinuclear NMR studies of dialkyl tellurides. <i>Journal of Organometallic Chemistry</i> , 1999 , 577, 69-75	2.3	7
255	UF ₃ + Ein thermochemisch stabiles binäres Trikation mit kovalenter Bindung. <i>Angewandte Chemie</i> , 1999 , 111, 206-209	3.6	7
254	[SeCl) ₂][FeCl ₄]: Synthesis, Quantumchemical Calculations, Vibrational Data and Single-Crystal X-ray Structure. <i>Chemische Berichte</i> , 1994 , 127, 2177-2179		7
253	Untersuchung zum Reaktionsverhalten von Nitrilen RCN gegenüber [I ₃]+[AsF ₆] ⁻ (R = CH ₃ , CF ₃ , Br, I, H). <i>Chemische Berichte</i> , 1991 , 124, 1571-1573		7
252	Synthesis and characterization of cyanogen halide arsenic pentafluoride adducts; XCN · AsF ₅ (X ? F, Cl, Br, I). <i>Polyhedron</i> , 1992 , 11, 443-446	2.7	7
251	Organometall-chemie hochfluorierter ligand-systeme. <i>Journal of Organometallic Chemistry</i> , 1992 , 431, 47-53	2.3	7
250	AsIAlCl, a Salt of the Last Missing Tetrahaloarsonium Ion. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 1671-1672		7
249	Methylbis(2,6-dichlorothiophenolato)bismut(III) [Synthese, fungizide und bakterizide Aktivität]/ Methylbis(2,6-dichlorothiophenolato)bismuth(III) [Synthesis, Fungicidal and Bactericidal Activity]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1987 , 42, 940-942	1	7
248	Energetic Compounds 2020 ,		7
247	Design and characterization of new advanced energetic biopolymers based on surface functionalized cellulosic materials. <i>Cellulose</i> , 2021 , 28, 6107-6123	5.5	7
246	Progress in the Area of High Energy Density Materials. <i>Structure and Bonding</i> , 2015 , 49-63	0.9	6
245	A review on differential scanning calorimetry technique and its importance in the field of energetic materials. <i>ChemistrySelect</i> , 2018 , 3,	1.8	6
244	Polyurethanes based on 2,2-Dinitropropane-1,3-diol and 2,2-bis(azidomethyl)propane-1,3-diol as potential energetic binders. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	6
243	Comment on "A quantitative definition of hypervalency" by M. C. Durrant, , 2015, , 6614. <i>Chemical Science</i> , 2016 , 7, 3443-3447	9.4	6
242	Synthesis and Characterization of New Azido Esters Derived from Malonic Acid. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 1515-1520	1.7	6

241	Synthesis and Characterization of Alkaline and Alkaline Earth Salts of the Nitrotetrazolate-2N-oxide Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 2008-2014	1.3	6
240	Selenium(IV) fluoride and oxofluoride anions. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 791-799	2.1	6
239	The reaction of bromine azide with bromine. <i>Polyhedron</i> , 1997 , 16, 2701-2704	2.7	6
238	First structural characterization of solvate-free silver dinitramide, Ag[N(NO ₂) ₂]. <i>Dalton Transactions</i> , 2008 , 5876-8	4.3	6
237	The energetic double salt nitroguanidinium nitrate@guanidinium nitrate (1/1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3100-o3101		6
236	Bis{bis[2-(dimethylaminomethyl)phenyl]hydroxytelluronium} hexafluorosilicate chloroform tetrasolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o4189-o4189		6
235	Exceeding the oxygen content of liquid oxygen: bis(2,2,2-trinitroethyl) carbonate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008 , 64, o58-60		6
234	The Volume-Based Thermodynamics (VBT) and Attempted Preparation of an Isomeric Salt, Nitryl Chlorate: [NO ₂][ClO ₃]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 897-900	1.3	6
233	DFT Calculations of the Structures of Various Isomers (cis/trans) of [(CH ₃)(PH ₃)M-NH ₂ -CH ₂ -C(O)-O] and [(Cl)(PH ₃)M-NH ₂ -CH ₂ -C(O)-O] Complexes with M = Ni, Pd and Pt. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002 , 57, 1120-1124	1	6
232	P ₄ O ₁₈ -the first binary phosphorus oxide ozonide. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3461-2	16.4	6
231	The fluorine plus (F+) detachment energy (FPDE) values of (XCN)3F+ (X=H, F, Cl) and C ₅ X ₅ NF+ (X=H, F, Cl): a theoretical study. <i>Journal of Fluorine Chemistry</i> , 2001 , 108, 87-90	2.1	6
230	Reaction of NS+ with N ₃ . <i>Polyhedron</i> , 1996 , 15, 4387-4390	2.7	6
229	Das perfluortriazinium-kation als oxidationsmittel in der metallorganischen synthese@in neuer weg zur darstellung von [Cp ₂ MCl ₂] ₂ + (M = Mo. <i>Journal of Organometallic Chemistry</i> , 1994 , 480, 195-197	2.3	6
228	Dichlorobis(η -cyclopentadienyl)rhenium(VII)-tris(hexafluoroantimonat): Synthese des ersten Rhenocen(VII)-dichlorid-Kations. <i>Chemische Berichte</i> , 1989 , 122, 2273-2274		6
227	Organometallic chemistry of highly fluorinated ligand systems. <i>Journal of Organometallic Chemistry</i> , 1989 , 372, 33-40	2.3	6
226	Synthese und Charakterisierung von (Iodcyan)iodonium-hexafluoroarsenat, [ICNl]?[AsF ₆]?. <i>Chemische Berichte</i> , 1990 , 123, 1343-1344		6
225	Reactivity of CpTiCl ₃ toward AgMF ₆ : Identification and stability of CpTi(MF ₆) ₃ (M = As, Sb). <i>Inorganica Chimica Acta</i> , 1988 , 150, 165-166	2.7	6
224	Preparation and characterization of alkane@and arene@halogenolate complexes of η -cyclopentadienyltitanium(IV): first synthesis of [Ti(η -C ₅ H ₅)(SeCH ₃) ₃]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988 , 1529-1531		6

223	Polyazido-methyl Derivatives of Prominent Oxadiazole and Isoxazole Scaffolds: Synthesis, Explosive Properties, and Evaluation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 6371-6380	4.2	6
222	Synthesis and Characterization of Tetrahedral Zinc(II) Complexes with 3, 6,7-Triamino-7H-[1, 2,4]triazolo[4, 3-b][1, 2,4]triazole as Nitrogen-Rich Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 383-389	1.3	6
221	Energetic Materials Trends in 5- and 6-Membered Cyclic Peroxides Containing Hydroperoxy and Hydroxy Substituents. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5036-5043	2.3	6
220	Improving the Energetic Properties of Dinitropyrazoles by Utilization of Current Concepts. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4125-4132	2.3	6
219	Equation of State of Detonation Products Based on Exponential-6 Potential Model and Analytical Representation of the Excess Helmholtz Free Energy. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 564-571 ¹⁷	5	
218	Vapor Pressure of Linear Nitrate Esters Determined by Transpiration Method in Combination with VO-GC/MS. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 484-492	1.7	5
217	Molecular Structure of Isocyanic Acid, HNCO, the Imide of Carbon Dioxide. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3287-3292	2.8	5
216	Polynitrocarbamates Derived from Nitromethane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 1474-1481	1.3	5
215	Ein Strontium- und Chlor-freies rotes pyrotechnisches Leuchtsignal mit hoher spektraler Reinheit. <i>Angewandte Chemie</i> , 2017 , 129, 16733-16736	3.6	5
214	Improved Efficiency by Adding 5-Aminotetrazole to Anthraquinone-Free New Blue and Green Colored Pyrotechnical Smoke Formulations. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 131-141	1.7	5
213	py(2)P(2)S(7): a bis(pyridine)adduct stabilized phosphorus sulfide. <i>Chemical Communications</i> , 2010 , 46, 5024-5	5.8	5
212	Synthesis and Characterization of a Three-dimensional Coordination Polymer Based on Copper(II) Nitrate and a Tridentate Tetrazole Ligand. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009 , 64, 1535-1541	1	5
211	Inorganic Amino-Nitro-Guanidinium Derivatives. <i>Crystals</i> , 2012 , 2, 675-689	2.3	5
210	The cations [ICNI] ⁺ and [H3N?NH3] ²⁺ ?natural bond orbital analysis and some valence bond considerations. <i>Inorganica Chimica Acta</i> , 1998 , 269, 1-6	2.7	5
209	Developments on the Chemistry of Tellurium and Selenium Azides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005 , 180, 957-960	1	5
208	Structures of perfluorodiphenylether substituted chalcogen compounds. <i>Journal of Fluorine Chemistry</i> , 2003 , 123, 133-138	2.1	5
207	The Reactivity of CF ₃ C ₆ F ₄ OC ₆ F ₄ Li towards Halogens and Cyanogen Halides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000 , 626, 2047-2052	1.3	5
206	Uranium hexafluoride: laboratory scale synthesis, coordination behaviour towards nitriles and Raman spectra. <i>Inorganica Chimica Acta</i> , 1994 , 215, 5-7	2.7	5

205	Aktivierung von Fluorkohlenwasserstoffen durch Blockteile und komplexierte Praseodym-Kationen in der Gasphase. <i>Angewandte Chemie</i> , 1995 , 107, 225-229	3.6	5
204	Organometal-Chemie hochfluorierter Ligand-Systeme. <i>Journal of Organometallic Chemistry</i> , 1991 , 408, 343-355	2.3	5
203	[FCNF] ⁺ [AsF ₆] ⁻ a Salt of the Linear 22-Valence Electron Cation [FCNF] ⁺ . <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1485-1486		5
202	Synthesis and characterization of novel halogeno(+I) adduct complexes containing malononitrile and 1,3,5-triazine. <i>Inorganica Chimica Acta</i> , 1993 , 205, 167-173	2.7	5
201	Reaction of [Ti(cp) ₂ (AsF ₆) ₂](cp = C ₅ H ₅) toward S ₄ N ₄ and Se ₄ N ₄ : identification in solution of [Ti(cp) ₂ (S ₄ N ₄)][AsF ₆] ₂ ; synthesis and characterization of [Ti(cp) ₂ F(AsF ₆)], [Ti(cp) ₂ F ₂][AsF ₃] and [Ti(cp)F ₃][AsF ₃]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991 , 1433-1435		5
200	Synthese und spektroskopische Charakterisierung von Metallocen-chloro-selenophenolaten / Synthesis and Spectroscopic Characterization of Metallocene Chloro Selenophenolates. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1986 , 41, 971-973	1	5
199	Bis([5-cyclopentadienyl]-brenzkatechinato-titan(IV)) Ein oligomerer Mehrkernkomplex. <i>Monatshefte fuer Chemie</i> , 1986 , 117, 1003-1006	1.4	5
198	Synthesis and ring inversion of the first hafnocene ditellurolene chelate: [(C ₅ H ₅) ₂ Hf(1,2-Te ₂ C ₆ H ₄)]. <i>Polyhedron</i> , 1987 , 6, 1923-1924	2.7	5
197	Methylbis(thiomethanolato)bismut(III) Synthese, Charakterisierung und mikrobiologische Aktivitaet. <i>Monatshefte fuer Chemie</i> , 1988 , 119, 1317-1321	1.4	5
196	Towards investigating the characteristics and thermal kinetic behavior of Emergent nanostructured nitrocellulose prepared using various sulfonitic media. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	5
195	Closing the Gap: Synthesis of Three Isomeric , -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	5.1	5
194	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	1.3	5
193	Toxicity Assessment of Energetic Materials by Using the Luminescent Bacteria Inhibition Test. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 114-123	1.7	5
192	Potassium N-Nitramino-5H-Tetrazolates Powerful Green Primary Explosives with High Initiation Capabilities. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1203-1209	1.7	5
191	Tetranitromethan Ein Albtraum molekularer Flexibilitat in Gaspause und Festkuerper. <i>Angewandte Chemie</i> , 2017 , 129, 9748-9752	3.6	4
190	Blue Strobe Pyrotechnic Composition Based on Aminoguanidinium Nitrate. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 1466-1471	1.7	4
189	Metal Salts of 4,5-Dinitro-1,3-imidazole as Colorants in Pyrotechnic Compositions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1347-1354	1.3	4
188	Contributions to the Chemistry of N-Methylnitramine: Crystal Structure, Synthesis of Nitrogen-Rich Salts, and Reactions towards 2-Nitro-2-azapropyl Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 4756-4771	2.3	4

187	Synthesis and Properties of 4,4',5,5'-Tetranitro-1H,1'H-2,2'-Biimidazole Salts: Semicarbazidium, 3-Amino-1,2,4-Triazolium, and 5-Aminotetrazolium Derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2017 , 53, 697-701	1.4	4
186	Synthesis of New Oxidizers for Potential Use in Chemical Rocket Propulsion. <i>Springer Aerospace Technology</i> , 2017 , 63-88	0.1	4
185	New Acyclic Neutral Phosphorus Sulfides and Sulfide Oxides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 68-75	1.3	4
184	New salts of the waterstable P(2)Se(6)(4-) anion. <i>Inorganic Chemistry</i> , 2010 , 49, 3937-41	5.1	4
183	Synthesis of a One-dimensional Coordination Polymer Based on Copper(II) Nitrate and 1,2-Bis(5-monomethylhydrazinyl-1H-tetrazolyl)ethane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1079-1084	1.3	4
182	Dodecahydroxycyclohexane dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o1393-o1395		4
181	Synthesis, Characterization, and Crystal Structure of 1,3-Dipentafluorophenyl-2,2,2,4,4-hexazido-1,3-diaza-2,4-diphosphetidine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001 , 627, 2547	1.3	4
180	New Aspects in the Chemistry of Aromatic and Fluoroaromatic Selenium and Tellurium Compounds: Similarities and Diversities. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001 , 172, 119-128	1	4
179	Tetrakis(pentafluorophenyl)lead(IV): crystal structure, semiempirical PM3 calculations and NMR studies. <i>Journal of Fluorine Chemistry</i> , 2000 , 104, 129-133	2.1	4
178	A theoretical investigation of the reaction of oxygen difluoride with nitrosyl fluoride. <i>Journal of Fluorine Chemistry</i> , 2000 , 106, 7-11	2.1	4
177	The isomers and energetics of the nitrosamines F2N2O, H2N2O: a computational and conceptual study. <i>Journal of Fluorine Chemistry</i> , 2000 , 102, 119-124	2.1	4
176	An Experimental and Theoretical Study on the Novel Tetraphosphorus Triselenide Boron Triiodide (P4Se3)·(B13) Adduct. <i>Journal of Molecular Modeling</i> , 2000 , 6, 76-85	2	4
175	Synthesis, Spectroscopic Investigation, and Theoretical Study of the Ruthenium Diazide Complex [Ru(tpy)(PPh ₃)(N ₃) ₂]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000 , 55, 462-466	1	4
174	Nitrosodifluoroamine, F2N2O,. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3406-3409	2.8	4
173	The trifluorooxonium cation, OF ₃ ⁺ . <i>Journal of Fluorine Chemistry</i> , 1999 , 99, 151-156	2.1	4
172	Crystal structures, semiempirical PM3 calculations and NMR studies of trimesityllead bromide and dimesityllead dibromide. <i>Polyhedron</i> , 1999 , 18, 839-844	2.7	4
171	The synthesis of tetraphenylarsonium azide, [Ph ₄ As] ⁺ [N ₃] ⁻ and the attempted preparation of tetraphenylarsonium azidodithiocarbonate, [Ph ₄ As] ⁺ [SCSN ₃] ⁻ <i>Heteroatom Chemistry</i> , 1999 , 10, 325-329	1.2	4
170	A COMPREHENSIVE INVESTIGATION OF SODIUM AZIDODITHIOCARBONATE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999 , 155, 201-214	1	4

169	Fluorierung von Cyanurchlorid und Tieftemperatur-Kristallstruktur von $[(\text{ClCN})_3\text{F}]^+ [\text{AsF}_6]^-$ <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1994 , 620, 1132-1136	1.3	4
168	Vibrational frequencies of the isoelectronic tetrahedral species GeF_4 and AsF_4^+ . Comparison of experimental data with results from ab initio and density functional theory. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995 , 51, 905-908	4.4	4
167	Das reaktionsverhalten von Cp_2MoCl_2 gegen WF_6 und NOBF_4 [Struktur von $[\text{Cp}_2\text{MoCl}_2]\text{[BF}_4]$]. <i>Journal of Organometallic Chemistry</i> , 1993 , 463, 115-120	2.3	4
166	Darstellung und charakterisierung der kationischen metallocen-komplexe $[\text{CP}_2\text{Zr}(\text{CH}_3\text{CN})_3][\text{AsF}_6]^-$ und $[\text{CP}_2\text{NbCl}_2][\text{UF}_6]$: Laborsynthese von UF_6 . <i>Journal of Organometallic Chemistry</i> , 1993 , 461, 91-94	2.3	4
165	1H- und 19F-NMR-Spektroskopie An Organometall-Hexafluoroarsenate: 1H and 19F NMR Spectroscopy On Organo Metal Hexafluoroarsenates. <i>Spectroscopy Letters</i> , 1989 , 22, 183-190	1.1	4
164	$[\text{Cp}_2\text{Nb}(\text{CH}_3)_2]^+ [\text{AsF}_6]^-$ und $[\text{Cp}_2\text{Mo}(\text{CH}_3)_2]^+ [\text{AsF}_6]^-$ die ersten Niobocen- und Molybdocen-dimethyl-Komplexe mit den Zentralmetallatomen in ihrer maximalen Oxidationsstufe. <i>Journal of Organometallic Chemistry</i> , 1989 , 375, C20-C22	2.3	4
163	Novel iodoammonium cations: Synthesis and characterization of o- $\text{C}_6\text{H}_4(\text{NH}_2)_2\text{I}^+ \text{X}^-$ ($\text{X} = \text{I}, \text{AsF}_6^-$, AlI_4^-). <i>Polyhedron</i> , 1989 , 8, 2911-2914	2.7	4
162	$\text{Cp}_2\text{NbCl}_2 + \text{X}^- \text{X} = \text{WF}_6^- \text{AlCl}_4^-$ synthese, charakterisierung und reaktivit�t gegen AlCl_3 . <i>Journal of Fluorine Chemistry</i> , 1990 , 47, 273-281	2.1	4
161	Is I ₂ or MeCN the better base to coordinate the iodine monocation, I ⁺ ? The hard-soft acid-base principle in preparative inorganic chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1433-1434		4
160	Titanocen-cyandithioformiat-Komplexe. <i>Monatshefte f�r Chemie</i> , 1987 , 118, 671-675	1.4	4
159	Explosive Properties of 4,4'-,5,5'-Tetranitro-2,2'-bi-1H-imidazole Dihydrate. <i>Central European Journal of Energetic Materials</i> , 2016 , 13, 612-626	1.3	4
158	Experimental Study on the Heat Resistant Explosive 5,5'-Bis(2,4,6-trinitrophenyl)-2,2'-bi(1,3,4-oxadiazole) (TKX-55): The Jet Penetration Capability and Underwater Explosion Performances. <i>Central European Journal of Energetic Materials</i> , 2016 , 13, 821-837	1.3	4
157	Effect of Adding 5-Aminotetrazole to a Modified U.S. Army Terephthalic Acid White Smoke Composition. <i>Central European Journal of Energetic Materials</i> , 2017 , 14, 489-500	1.3	4
156	TKX-50: A Highly Promising Secondary Explosive. <i>Materials Horizons</i> , 2021 , 1-91	0.6	4
155	Experimental thermochemical data of CWA simulants: Triethyl phosphate, diethyl methylphosphonate, malathion and methyl salicylate. <i>Journal of Chemical Thermodynamics</i> , 2020 , 143, 106043	2.9	4
154	Investigation of Ethylenedinitramine as a Versatile Building Block in Energetic Salts, Cocrystals, and Coordination Compounds. <i>Inorganic Chemistry</i> , 2021 , 60, 4816-4828	5.1	4
153	Azido(tert-butylperoxy)methyl Compounds - An Exceptional Class of Energetic Materials. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 4382-4386	3.2	4
152	About the Azido Derivatives of Pentaerythritol Tetranitrate. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 723-731	1.7	4

151	Selective Synthesis and Characterization of the Highly Energetic Materials 1-Hydroxy-5H-tetrazole (CHN O), its Anion 1-Oxido-5H-tetrazolate (CN O ⁻) and Bis(1-hydroxytetrazol-5-yl)triazene. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3001-3012	4.5	4
150	Nitrosylazid N4O, ein intrinsisch instabiles Stickstoffoxid. <i>Angewandte Chemie</i> , 1993 , 105, 1697-1699	3.6	4
149	Ein neuer Sekundär-Sprengstoff: TKX-50. <i>Chemie in Unserer Zeit</i> , 2020 , 54, 234-241	0.2	3
148	Guanidin-5,5'-azotetrazolat: Ein farbenfrohes Chamäleon für halogenfreie Rauchsignale. <i>Angewandte Chemie</i> , 2020 , 132, 12425-12429	3.6	3
147	Development of a Sustainable Perchlorate-Free Yellow Pyrotechnical Strobe Formulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4400-4404	8.3	3
146	Formation and Characterization of Heavy Alkali and Silver Salts of the 4-Nitro-pyrazolo-(3,4-c)-furazan-5-N-oxide Anion. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 54-61	1.7	3
145	N-Nitrosarcosine: An Economic Precursor for the Synthesis of New Energetic Materials. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3134-3144	4.5	3
144	Energetic Materials - Nitrated Phenyl Peroxy Anhydrides as Peroxide Based Explosives with Relatively High Densities and Thermal Stabilities. <i>ChemistrySelect</i> , 2016 , 1, 4057-4061	1.8	3
143	From Amino Acids to High-Energy Dense Oxidizers: Polynitro Materials Derived from L-Alanine and L-Aspartic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 887-895	1.3	3
142	The Pyridazine Scaffold as a Building Block for Energetic Materials: Synthesis, Characterization, and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1247-1254	1.3	3
141	Peroxide Explosives 2014 , 1-28		3
140	Synthesis and Structure of 2,2,2- Nitrilotriacetyl Chloride with a Flat NC ₃ Pyramide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 735-738	1	3
139	Characterization of the Energetic Plasticizer Methyl-NENA. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 2135-2141	1.3	3
138	Cationic cobaltammines as anion receptors: Synthesis, spectroscopic and X-ray structural study of biologically important saccharinate salt, [cis-Co(en) ₂ (N ₃) ₂](C ₇ H ₄ NSO ₃). <i>Journal of Molecular Structure</i> , 2009 , 930, 88-94	3.4	3
137	The structure of diethylaminosulfur trifluoride (DAST) - combined theoretical and nuclear magnetic resonance study. <i>Journal of Fluorine Chemistry</i> , 1997 , 82, 181-183	2.1	3
136	The x-ray structure determinations and semiempirical PM3 calculations of two chloro(piperidyl)cyclotriphosphazenes). <i>Heteroatom Chemistry</i> , 1997 , 8, 267-271	1.2	3
135	The gas phase structure and acidity of the neutral Brønsted acid 1,1,1,2-tetrafluoroethane. <i>Journal of Fluorine Chemistry</i> , 1998 , 88, 19-22	2.1	3
134	Synthesis and characterization of fluoro azido-carbondisulfide, F ₂ CSN ₃ , and a new synthesis for azido-carbondisulfide, N ₃ SCSFCSN ₃ . <i>Journal of Fluorine Chemistry</i> , 1998 , 92, 153-156	2.1	3

133	Valence Bond Formulations of Mechanisms for the Formation and Decomposition of N ₂ O ₅ . <i>Environmental Chemistry</i> , 2006 , 3, 355	3.2	3
132	Synthesis, characterization and X-ray structure of trans-[(nitro)bis(ethylenediamine)(p-nitrobenzoato) cobalt(III)] [p-nitrobenzoate/p-nitrobenzoic acid]. <i>Journal of Coordination Chemistry</i> , 2006 , 59, 651-662	1.6	3
131	Lithium dicyanoargentate(I) acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m2666-m2667		3
130	Stability of gaseous thallium monofluoride as TlF ₀ , TlF ₊ , and TlF ₂ ₊ . <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4254-7	16.4	3
129	Ab initio Calculations and Qualitative Valence Bond Considerations for H ₂ N-NO ₂ (Nitramide) and H ₂ N-NO (Nitrosamine). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2001 , 56, 571-575	1	3
128	Synthese, Kristallstruktur und Schwingungsspektren von Dimethylphosphoniumtetrachloroaluminat, H ₂ PM _e ₂ +AlCl ₄ ⁻ <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000 , 626, 1783-1786	1.3	3
127	The preparation and characterisation of a new interpseudohalogen, ClCS ₂ N ₃ , and (CS ₂ N ₃)SS(CS ₂ N ₃), a novel disulfurdipseudothalide. <i>Inorganica Chimica Acta</i> , 1999 , 294, 68-72	2.7	3
126	Molecular Structure of tert-Butylazide: A Gas-Phase Electron Diffraction and Quantum Chemical Study. <i>Structural Chemistry</i> , 1999 , 10, 59-66	1.8	3
125	Nitrosylazid N ₄ O, ein intrinsisch instabiles Stickstoffoxid. <i>Angewandte Chemie</i> , 1993 , 105, 1697-1699	3.6	3
124	Zum Reaktionsverhalten des SeCl ₃ ⁺ -Kations gegenüber PH ₃ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1994 , 620, 2104-2107	1.3	3
123	Das Reaktionsverhalten von Cp ₂ NbCl ₂ gegenüber WF ₆ Struktur von [Cp ₂ NbCl ₂]4+[WF ₆] ₂ [WCl ₆] ₂ <i>Journal of Organometallic Chemistry</i> , 1994 , 480, 191-194	2.3	3
122	Nichtmetallchemie - eine Replik. <i>Nachrichten Aus Der Chemie</i> , 1995 , 43, 582-582		3
121	[FCNF] _n [AsF ₆] _m ein Salz des linearen 22-Valenzelektronen-Kations [FCNF] _n ⁺ . <i>Angewandte Chemie</i> , 1991 , 103, 1490-1492	3.6	3
120	Zum koordinationsverhalten der Lewis-Basen HCN und DCN gegenüber Cp ₂ Ti(AsF ₆) ₂ . <i>Journal of Organometallic Chemistry</i> , 1992 , 436, 179-183	2.3	3
119	Warum wirken Organometallhexafluoropnikogenat-Komplexe bioaktiv? Eine Studie zur Struktur-Wirkungs-Korrelation. <i>Monatshefte Fur Chemie</i> , 1989 , 120, 711-714	1.4	3
118	Synthese und Charakterisierung neuer Halogeno(methyl)arsen(V)-Kationen: [(CH ₃) ₂ AsI ₂] [?] [AsF ₆] [?] , [CH ₃ AsI ₃] [?] [AsF ₆] [?] und [(CH ₃) ₂ AsF ₂] [?] [AsF ₆] [?] . <i>Chemische Berichte</i> , 1990 , 123, 1657-1659		3
117	Metallocen-chemie hochfluorierter ligand-systeme XII. Synthese und charakterisierung von Cp ₂ Ti(BiF ₆) ₂ . <i>Journal of Organometallic Chemistry</i> , 1990 , 387, C27-C30	2.3	3
116	Chemical properties and structures of binary and ternary Se-N and Te-N species0. <i>Advances in Molecular Structure Research</i> , 1997 , 287-311		3

115	Intriguing Gold TrifluorideMolecular Structure of Monomers and Dimers: An Electron Diffraction and Quantum Chemical Study [J. Am. Chem. Soc. 2000, 122, 3127B134].. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1545-1545	16.4	3
114	Molecular Structure of Hydrazoic Acid from 55 K to Close to the Melting Point Determined with Synchrotron Radiation. <i>Inorganic Chemistry</i> , 2020 , 59, 17671-17677	5.1	3
113	Theoretical evaluation of TKX-50 as an ingredient in rocket propellants. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 572-574	1.3	3
112	The Lithium Salts of Bis(azolyl)borates as Strontium- and Chlorine-free Red Pyrotechnic Colorants. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 580-585	1.3	3
111	An Experimental Comparison of Selected Blue Flame Pyrotechnics. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 107-113	1.7	3
110	High-Precision Density Measurements of Energetic Materials for Quality Assessment. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 413-427	1.7	3
109	Semibatch Reaction Crystallization for Scaled-Up Production of High-Quality CL-20/HMX Cocrystal: Efficient Because of Solid Dosing. <i>Crystal Growth and Design</i> , 2021 , 21, 1708-1717	3.5	3
108	Combining Higher Efficiency with Lower Costs: an Alternative Hexamine-Based White Smoke Signal. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1184-1189	1.7	3
107	5-Amino-1H-tetrazole-based multi-coloured smoke signals applying the concept of fuel mixes. <i>New Journal of Chemistry</i> , 2018 , 42, 10670-10675	3.6	3
106	Dihydrazinium Nitrates Derived from Malonic and Iminodiacetic Acid. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 685-693	1.7	3
105	3,3-Dinitratoxetane - an important leap towards energetic oxygen-rich monomers and polymers. <i>Chemical Communications</i> , 2021 , 57, 2804-2807	5.8	3
104	-Functionalisation of 5,5'-bistetrazole providing 2,2'-di(azidomethyl)bistetrazole: a melt-castable metal-free green primary explosive. <i>Dalton Transactions</i> , 2021 , 50, 13656-13660	4.3	3
103	A novel method for prediction of the critical diameter of solid pure and composite high explosives to assess their explosion safety in an industrial setting. <i>Journal of Energetic Materials</i> , 2019 , 37, 331-339	1.6	2
102	Salts of Picramic Acid INearly Forgotten Temperature-Resistant Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 898-907	1.7	2
101	Unusual Energetic Periodate, Sulfate and Amino-bistetrazolate Salts of the Trinitropropylammonium Cation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 2-4	1.3	2
100	Investigation on the Sodium and Potassium Tetrasalts of 1,1,2,2-Tetranitraminoethane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1412-1418	1.3	2
99	Metal Salts of 3,3?-Diamino-4,4?-dinitramino-5,5?-bi-1,2,4-triazole in Pyrotechnic Compositions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 370-376	1.3	2
98	Spectroscopic Investigations of High-Nitrogen Compounds for Near-Infrared Illuminants. <i>Propellants, Explosives, Pyrotechnics</i> , 2014 , 39, 166-172	1.7	2

97	Polynuclear Chlorido Metal(II) Complexes with 1,2-Di(1H-Tetrazol-1-yl)ethane as Ligand Forming One- and Two-dimensional Structures. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 1886-1891	1.3	2
96	Fluorodinitroethyl Ortho-carbonate and -formate as Potential High Energy Dense Oxidizers. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 8-16	1	2
95	Synthesis and Characterization of Energetic Salts of the (C4N122) ²⁻ Dianion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, n/a-n/a	1.3	2
94	Chemistry and structures of hexakis(halogenomethyl)-, hexakis(azidomethyl)-, and hexakis(nitratomethyl)disiloxanes. <i>Chemistry - A European Journal</i> , 2013 , 19, 9198-210	4.8	2
93	Theoretical Study on H3N3O3for Solid Rocket Propellant. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 3189-3190	1.2	2
92	Preparation and Characterization of the First Organosulfonium Azides. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2009 , 64, 467-469	1	2
91	Valence Bond Structures for the N3- Anion, the N3 Radical and the N6- Radical Anion. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2012 , 67, 935-943	1	2
90	The structure of astatine azide, AtN3A theoretical study. <i>Structural Chemistry</i> , 1997 , 8, 421-423	1.8	2
89	Bis(2,4,6-trimethylphenyl)tellurium(IV) Dicyanide: the First Crystal Structure for a Tellurium Cyanide of the Type R2Te(CN)2. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 40-42	1.3	2
88	Oxygen versus nitrogen interactions in lithium dinitramide dihydrate and pyridinium dinitramide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008 , 64, m17-9		2
87	Tutorial review: Bohr circular orbit diagrams for some fluorine-containing molecules. <i>Journal of Fluorine Chemistry</i> , 2006 , 127, 712-719	2.1	2
86	Increased valence (qualitative valence bond) descriptions of the electronic structures of electron-rich fluorine-containing molecules [J. Fluorine Chem. 123 (2003) 500]. <i>Journal of Fluorine Chemistry</i> , 2004 , 125, 785	2.1	2
85	A trichloro-bridged binuclear ruthenium complex with 1,1,1-tris(diphenylphosphinomethyl)ethane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m439-41		2
84	Inorganic Exotic Molecules 2003 , 817-838		2
83	A note on some valence bond calculations for the ground-state of the hydrogen molecule. <i>Inorganica Chimica Acta</i> , 2005 , 358, 4049-4050	2.7	2
82	3,5-Dimethyl-1,3,5-oxadiazane-2,4,6-trione: short intermolecular contacts determining the crystal packing. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, o545-7		2
81	Tetrapyridinium di-Ebzo-bis[trifluorotellurate(IV)] bis[pentafluorotellurate(IV)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o2984-o2986		2
80	1,1,1,2,2-Pentaiododiphosphanium tetraiodogallate(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001 , 57, i1-i2		2

79	THE DIVERSITY OF NON-METAL FLUORINE CHEMISTRY. <i>Reviews in Inorganic Chemistry</i> , 1999 , 19, 1-30	2.4	2
78	The Intriguing Diversity of Neutral and Cationic Selenium-Nitrogen Heterocycles. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1994 , 93, 181-184	1	2
77	Reactivity of Cp ₂ Ti(AsF ₆) ₂ Towards S ₄ N ₄ , Se ₄ N ₄ and As ₂ Me ₄ . <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1992 , 65, 181-184	1	2
76	Das Reaktionsverhalten der N-Basen NH ₃ , NC?NH ₂ und NC?CN gegenüber EF ₅ und EF ₅ /HF (E = As, Sb). <i>Journal of Fluorine Chemistry</i> , 1993 , 65, 127-132	2.1	2
75	Festkörper-Elektronenspektroskopie Von Titanocendithiolat-Komplexen Solid State Electron Spectroscopy of Titanocene Dithiolate Complexes. <i>Spectroscopy Letters</i> , 1987 , 20, 989-994	1.1	2
74	Valorization of Esparto Grass Cellulosic Derivatives for the Development of Promising Energetic Azidodeoxy Biopolymers: Synthesis, Characterization and Isoconversional Thermal Kinetic Analysis. <i>Propellants, Explosives, Pyrotechnics</i> ,	1.7	2
73	The Flame Emission of Indium from a Pyrotechnical View. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 133-137	1.3	2
72	Urazine Is Long Established Heterocycle and Energetic Chameleon. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 4916-4924	3.2	2
71	Experimental Vapor Pressures of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and Hexahydro-1,3,5-trinitroso-1,3,5-triazine (TNX). <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 1573-1579	1.7	2
70	Properties in Reactive Structure Materials: ZrW ₂ and HfW ₂ [High Melting Temperatures, Densities, Hardness, and Exothermic Ignition Energies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1805-1811	1.3	2
69	Solubility behaviour of CL-20 and HMX in organic solvents and solvates of CL-20. <i>Energetic Materials Frontiers</i> , 2021 , 2, 51-61	3.3	2
68	Thermodynamic Properties of Energetic Plasticizers: Experimental Vapor Pressures of Methyl-, Ethyl-, and Butyl-Nitroxyethyl Nitramines. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1709-1716	2.8	2
67	Uses of dimedone for the synthesis of thiazole derivatives as new anti-tumor, c-Met, tyrosine kinase, and Pim-1 inhibitions. <i>Medicinal Chemistry Research</i> , 2018 , 27, 2494-2511	2.2	2
66	The Reagent-depending Nitration of 1,3-Dihydroxyacetone Dimer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 149-151	1.3	1
65	Synthesis and Investigation of 1,3-Bis(5-nitraminotetrazol-1-yl)propan-2-ol and its Salts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 228-234	1.3	1
64	Biologisch und toxikologisch unbedenklichere Wunderkerzen: ein bewährter Schulversuch im neuen Licht. <i>Chemkon - Chemie Konkret, Forum Fuer Unterricht Und Didaktik</i> , 2020 ,	0.3	1
63	Bioactivity and toxicological study of Amiton and related isomers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019 , 194, 333-334	1	1
62	Scalability of a Time- and Cost-Effective Procedure for the Synthesis of Picryl Bromide. <i>Organic Process Research and Development</i> , 2019 , 23, 2096-2098	3.9	1

61	Titelbild: Tetranitromethan Ein Albtraum molekularer Flexibilität in Gasphase und Festkörper (Angew. Chem. 32/2017). <i>Angewandte Chemie</i> , 2017 , 129, 9371-9371	3.6	1
60	The Synthesis and Characterization of Nitrooxy- and Nitrosooxyborazine Compounds. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014 , 69, 1241-1247	1	1
59	Compounds of Selenium and Tellurium with Nitrogen Bonds 2011 ,		1
58	Nitrogen: Inorganic Chemistry Based in part on the article Nitrogen: Inorganic Chemistry by Harry H. Sisler which appeared in the Encyclopedia of Inorganic Chemistry, First Edition. 2011 ,		1
57	HIGH-NITROGEN AND HIGH-OXYGEN EXPLOSIVES AS POSSIBLE REPLACEMENTS FOR RDX. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2011 , 10, 45-54	1.9	1
56	Structure and Bonding in the Trichalcogenometaphosphate Pyridine Anions $[PX_3\text{Py}]^{\text{I}}\text{(X = O, S, Se, Te)}$. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010 , 185, 2527-2534	1	1
55	Synthesis and Investigation of 1,2,3,4-Thatriazol-5-ylcarbamates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010 , 185, 1803-1813	1	1
54	Azide-Containing High Energy Materials 389-411		1
53	Reduction of Disilane ($t\text{Bu}_3\text{Si})\text{Br}_2\text{Si-SiBr}_2(\text{Si}t\text{Bu}_3)$ in Presence of C_2H_4 : A Mechanistic Approach. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, NA-NA	1.3	1
52	Paradigms and paradoxes: a comparison of the enthalpies of formation of trinitromethyl and trimethylmethyl (t -butyl) containing species. <i>Structural Chemistry</i> , 2010 , 21, 1051-1052	1.8	1
51	THE VIBRATIONAL SPECTRUM OF ARSENIC TRICHLORIDE. <i>Main Group Metal Chemistry</i> , 1997 , 20,	1.6	1
50	The x-ray structure determination and semiempirical PM3 calculations of 2,4,4,6,6-pentachloro-2-(piperidyl)cyclotriphosphazene). <i>Heteroatom Chemistry</i> , 1997 , 8, 283-286	1.2	1
49	Synthesis, Structure, Chemical and Energetic Characterization of 1,3-Dinitramino-2-nitroxy-propane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 2994-3000	1.2	1
48	Bis[acetonitrilesilver(I)] hexafluorosilicate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m2634-m2635		1
47	Stabilität von gasförmigem Thalliummonofluorid: TlF_0 , TlF^+ und TlF_2^+ . <i>Angewandte Chemie</i> , 2005 , 117, 4326-4330	3.6	1
46	Synthesis and Characterization of the Novel Tetraphosphorus Trisulfide Boron Triiodide ($\text{P}_4\text{S}_3\text{(Bi}_3$) Adduct: X-Ray Powder Diffraction, ^{31}P MAS NMR, IR and Raman Spectroscopy. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2001 , 169, 189-192	1	1
45	A new synthetic route to Se_2NOL_3 leading to a new modification of this chloride nitride of trivalent selenium. <i>Heteroatom Chemistry</i> , 1996 , 7, 195-198	1.2	1
44	Bindende anorganische Nichtmetall-Kationen. <i>Chemie in Unserer Zeit</i> , 1994 , 28, 44-48	0.2	1

43	The reactivity of Me ₃ Si?NMe ₂ towards AsF ₅ and BF ₃ . <i>Polyhedron</i> , 1992 , 11, 2183-2186	2.7	1
42	77Se-NMR einiger titanocendiselenolen-metallacylen. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1988 , 44, 461-462		1
41	2,6-Diazido-toluene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o348		1
40	Oxygen-Rich Bis(trinitroethyl esters): Suitable Oxidizers as Potential Ammonium Perchlorate Replacements. <i>Energy & Fuels</i> , 2020 , 34, 16469-16475	4.1	1
39	Quality Assessment of the CL-20/HMX Cocrystal Utilising Digital Image Processing. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 522-529	1.7	1
38	An Optimized & Scaled-Up Synthetic Procedure for Trinitroethyl Formate TNEF. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 895-898	1.7	1
37	15. Literature 2019 , 385-396		1
36	Performance of advanced composite solid rocket propellants based on novel oxidizers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 610, 012002	0.4	1
35	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	3.2	1
34	Oxygen Enriched Oxamides and N-Dinitrated Oxamides: Trinitroethyl Esters, Nitrocarbamates and Nitrates. <i>ChemistrySelect</i> , 2021 , 6, 8581-8586	1.8	1
33	Thermodynamics of organic azides: Experimental vapor pressures of organic polyazido compounds measured with the transpiration method. <i>Fluid Phase Equilibria</i> , 2021 , 549, 113222	2.5	1
32	Synthesis, Chemistry, and Characterization of Perfluoroaromatic Selenium Derivatives 1999 , 1999, 1359		1
31	Krapcho Decarboxylation of Ethyl-Carbazole: Synthetic Approach toward 1,1'-Diamino-5,5'-bistetrazole and Its Utilization as a High-Performing Metal-Free Initiator.. <i>Organic Letters</i> , 2022 ,	6.2	1
30	Studies on the synthesis and properties of 1,1,1-trinitroprop-2-yl urea, carbamate and nitrocarbamate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016 , 71, 811-820 ¹		0
29	A Review on Nitrosyl Metal Halides and Mass Spectroscopic Support for the Dimeric Structure of [Ni(NO) ₂] ₂ and [Pd(NO)Cl] ₂ . A Tribute to Walter Hieber (1895-1976) and Fritz Seel (1915-1987). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 1332-1339	1.3	0
28	Making progress towards promising energetic cellulosic microcrystals developed from alternative lignocellulosic biomasses. <i>Journal of Energetic Materials</i> , 1-26	1.6	0
27	High-Energy-Density Materials: An Amphoteric N-Rich Bis(triazole) and Salts of Its Cationic and Anionic Species. <i>Inorganic Chemistry</i> , 2021 , 60, 16213-16222	5.1	0
26	Fine-Tuning: Advances in Chlorine-Free Blue-Light-Generating Pyrotechnics. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 349-355	2.3	0

25	Comparison of Functionalized Lithium Dihydrobis(azolyl)borates with Their Corresponding Azolates as Environmentally Friendly Red Pyrotechnic Coloring Agents. <i>ChemPlusChem</i> , 2020 , 85, 2044-2050	2.8	O
24	A Study of 3,5-Dinitro-1-(2,4,6-trinitrophenyl)-1H-pyrazol-4-amine (PicADNP) as a New High Energy Density Booster Explosive. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 1964-1970	3.2	O
23	Synthesis and Characterization of Geminal Diazido Derivatives Based on Diethyl Malonate. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2241-2247	2.3	O
22	Synthesis, Characterization and Energetic Performance of Oxalyl Diazide, Carbamoyl Azide, and N,N'-Bis(azidocarbonyl)hydrazine. <i>ChemPlusChem</i> , 2021 , 86, 870-874	2.8	O
21	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 ^{5,1}	5.1	O
20	Synthesis, Characterization, and Properties of Pentanitrobenzene C ₆ H(NO ₂) ₅ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 126-132	1.3	O
19	A Computational Study on the Detonation Velocity of Mixtures of Solid Explosives with Non-Explosive Liquids. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 352-354	1.7	O
18	Ammoniumnitrat Dönger, Sprengstoff, Gasgenerator. <i>Chemie in Unserer Zeit</i> , 2021 , 55, 256	0.2	O
17	A GAP Replacement: Improved Synthesis of 3-Azidooxetane and Its Homopolymer Based on Sulfonic Acid Esters of Oxetan-3-ol. <i>Journal of Organic Chemistry</i> , 2021 , 86, 12607-12614	4.2	O
16	Oxetane Monomers Based On the Powerful Explosive LLM-116: Improved Performance, Insensitivity, and Thermostability.. <i>ChemPlusChem</i> , 2022 , 87, e202200049	2.8	O
15	Synthesis and characterization of allyl- and vinyl-substituted 1,2-bis(tetrazolo)ethanes as polymeric precursors. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016 , 71, 1199-1209 ¹	1	
14	The Preparation of a Residue-free, Alumina-supported Gold Catalyst by Decomposition of an Azido-Gold(III) Complex and an Evaluation of the Effectiveness of the Catalyst for the Hydrogenation of Propyne. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 694-698	1.3	
13	Synthesis and Crystal Structure of the Bis(ethoxo)tetrathio-Edisulfido-diphosphate Salt: [pyH]2[P2S6(OEt)2]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 898-901	1.3	
12	Platinum-assisted isomerization of 1-methylenehydrazine into 1-carbenehydrazine. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8517-20	2.8	
11	Metal-Fluorocarbon Pyrolants. XII: Calciumsalze der 5-perfluoroalkylierten Tetrazole <i>Synthese</i> , Charakterisierung und Leistungsbewertung als Oxidationsmittel in ternären Mischungen mit Magnesium und VitonTM/ Metal-Fluorocarbon Pyrolants. XII: Calcium Salts of 5-Perfluoroalkylated Tetrazoles <i>Synthesis, Characterization and Performance Evaluation as Oxidizers in Ternary Mixtures with Magnesium and VitonTM</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2011 , 66, 378-386	1	
9	The structure of potassium hydrogentartrate: A combined X-ray, semiempirical, and ab initio study. <i>Heteroatom Chemistry</i> , 1998 , 9, 307-310	1.2	
8	Agichem. <i>Heteroatom Chemistry</i> , 2002 , 13, 493-493	1.2	

LIST OF PUBLICATIONS

- 7 A New Convenient One-Step Synthesis of $[(\text{SCl})_2\text{N}]^+[\text{SbCl}_6]^-$ Containing the $[(\text{SCl})_2\text{N}]^+$ Cation.
Chemische Berichte, **1994**, 127, 2187-2188
- 6 Improved Preparation of 3-Oximinooxetane [An Important Precursor to Energetic Oxetanes.] 1.7
Propellants, Explosives, Pyrotechnics,
- 5 Strength From Weakness: Inorganic Structures **2002**, 213-239
- 4 Laboratory-Scale Synthesis of Gold Trifluoride and Uranium Hexafluoride **94**-99
- 3 The production of less harmful and less toxic sparklers in an experiment for school students. 1
Chemistry Teacher International, **2021**, 3, 285-294
- 2 Uranyl Complexes with Selenium or Tellurium Containing Chelate Ligands. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 943-950 1.3
- 1 Valence bond structures for molecules with 5-electron 3- centre bonding units. *Computational and Theoretical Chemistry*, **2018**, 1139, 50-54 2