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**Molecular single-bond covalent radii for elements 1-118**

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1574	Gold(I) complexes of phosphanyl gallanes: from interconverting to separable coordination isomers. <b>2009</b> , 48, 3454-7		105
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1567	Embedding transition-metal atoms in graphene: structure, bonding, and magnetism. <b>2009</b> , 102, 126807		915

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1478	The nature of unsupported uranium-ruthenium bonds: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 11266-73	4.8	58
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936	Synthesis and structure of bis-hexaaquasodium bis-nitritotris(methylenephosphonato)decaaquamonohydrohexasodiumlanthanate trihydrate [Na(H <sub>2</sub> O) <sub>6</sub> ] <sub>2</sub> [LaNa <sub>6</sub> H(H <sub>2</sub> O) <sub>10</sub> {N(CH <sub>2</sub> PO <sub>3</sub> ) <sub>3</sub> ] <sub>2</sub> ] · 3H <sub>2</sub> O. <b>2017</b> , 43, 373-379		6
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934	Heat-Induced Solid-Solid Phase Transformation of TKX-50. <b>2017</b> , 121, 8262-8271		28
933	Sulfur Dioxide and Nitrogen Dioxide Gas Sensor Based on Arsenene: A First-Principle Study. <b>2017</b> , 38, 661-664		55
932	Syntheses and structures of N,C,N-stabilized antimony chalcogenides. <b>2017</b> , 845, 38-43		3
931	Reactions of N,C,N-chelated pnictinidenes with Rh(I) and Ir(I) complexes: Coordination vs. Transmetalation. <b>2017</b> , 845, 49-54		13
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925	Reduction of [Cp* <sub>2</sub> Sb] with Subvalent Main-Group Metal Reductants: Syntheses and Structures of [(L Mg) (Sb )] and [(L Ga) (Sb )] Containing Edge-Missing Sb Units. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2461-2468	4.8	30
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790	Trapping of the N,C,N-chelated organobismuth(I) compound, [2,6-(Me <sub>2</sub> NCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ]Bi, by its coordination toward selected transition metal fragments. <b>2018</b> , 863, 15-20		16
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482	Interactions of a Diplumbyne with Dinuclear Transition Metal Carbonyls to Afford Metalloplumbylenes. <b>2020</b> , 39, 4629-4636	0
481	An indication of spin-transition accompanied by an order-disorder structural transformation in [Ni(phpyNO)(NCS)] (phpyNO = -butyl 5-phenyl-2-pyridyl nitroxide).. <b>2020</b> , 10, 16009-16015	5
480	Submicrostructure and Characteristics of the Short-Range Atomic Order in an Amorphous TiNiAlZr-Based Surface Alloy Formed on a TiNi Substrate by the Electron-Beam Method. <b>2020</b> , 14, 396-411	0
479	Structure and bonding of molecular stirrers with formula BM and BM (M = Zn, Cd, Hg). <b>2020</b> , 22, 12312-12320	13
478	Syntheses, structures and mössbauer effect spectroscopy of triple-decker complexes incorporating decamethylferrocene. <b>2020</b> , 920, 121339	
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476	Doping effect of small Rhn ( $n = 1-4$ ) clusters on the geometric and electronic behaviors of MoS2 monolayer: A first-principles study. <b>2020</b> , 526, 146659	12
475	The bonds and aromaticities of [NgBxOy] <sup>+</sup> (Ng = Ar, Kr and Xe; x = 3-5, y = 5-7). <b>2020</b> , 1179, 112798	1
474	Heterometallic Cu2Fe and Zn2Fe2 Complexes Derived from [Fe(CO)4]2 <sup>2-</sup> and Cu/Fe Bifunctional N2O Activation Reactivity. <b>2020</b> , 39, 2043-2046	4
473	Linkage Isomerism Leading to Contrasting Carboboration Chemistry: Access to Three Constitutional Isomers of a Borylated Phosphaalkene. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13462-13467	4.8 6
472	Tunable electronic and optical properties of two-dimensional ZnSe/AlAs van der Waals heterostructure. <b>2020</b> , 126, 1	5
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470	Investigation on adsorption properties of HCN and ClCN blood agents on phosphorene nanosheets: A first-principles insight. <b>2020</b> , 538, 110896	28
469	The Aromatic 2-Iminomethylphenyltellurenyl Cation. A Lewis Superacid Despite the Intramolecularly Coordinating N-Donor Ligand. <b>2020</b> , 39, 1202-1212	7



468	Determination of molecular properties for moscovium halides (McF and McCl). <b>2020</b> , 139, 1		3
467	Extension and evaluation of the D4 London-dispersion model for periodic systems. <b>2020</b> , 22, 8499-8512		42
466	Heavily Hydride-ion-doped 1111-type Iron-based Superconductors: Synthesis, Physical Properties and Electronic Structure. <b>2020</b> , 89, 051006		6
465	The covalent radii derived from the first-principle data. <b>2020</b> , 118, e1742937		1
464	The Reactivity of Phosphanylphosphinidene Complexes of Transition Metals Toward Terminal Dihaloalkanes. <b>2020</b> , 59, 5463-5474		3
463	Catalytic mechanism and bonding analyses of Au-Pd single atom alloy (SAA): CO oxidation reaction. <b>2020</b> , 63, 993-1002		14
462	Construction of heterometallic clusters with multiple uranium-metal bonds by using dianionic nitrogen-phosphorus ligands. <b>2020</b> , 11, 7585-7592		10
461	Element-Element-Bindungsbildung durch Oxidation und Reduktion. <b>2020</b> , 132, 7220-7227		2
460	Reactivity of boraguanidinato germylenes toward carbonyl compounds and isocyanides: C-O, C-F and C-N bond activation. <b>2020</b> , 49, 4869-4877		4
459	Raman Spectroscopic and Theoretical Study of Scandium Fluoride and Oxyfluoride Anions in Molten FLiNaK. <b>2020</b> , 124, 6671-6678		6
458	Formation and Characterization of a BeOBeC Multiple Radical Featuring a Quartet Carbyne Moiety. <b>2020</b> , 59, 6923-6928		9
457	Local Dielectric Constant Density Analysis of High-k Dielectric Nanomaterial. <b>2020</b> , 53-87		
456	Organogermanium(II) Hydrides as a Source of Highly Soluble LiH. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6070-6075	4.8	2
455	Adsorption of gas molecules on penta-graphene nanoribbon and its implication for nanoscale gas sensor. <b>2020</b> , 2, 100014		9
454	Neutral, Anionic, and Paramagnetic 1,3,2-Diazaberyllacycles Derived from Reduced 1,4-Diazabutadienes. <b>2020</b> , 39, 4208-4213		6
453	K <sub>10</sub> Ga <sub>3</sub> Bi <sub>6.65</sub> □The First Compound in the Ternary A-Ga-Bi System Comprising Cyclic Tris-meta Borate-Analogous [Ga <sub>3</sub> Bi <sub>6</sub> ] <sup>9-</sup> Units and Bi <sub>2</sub> Dumbbells. <b>2020</b> , 646, 659-664		0
452	Effects of short-range order and interfacial interactions on the electronic structure of two-dimensional antimony-arsenic alloys. <b>2020</b> , 127, 025305		1
451	The Chemistry of Multibonded Organoboron Compounds. <b>2020</b> , 1-100		2



450	Composition- and Size-Controlled $\text{In}_2\text{S}_3$ Semiconductor Nanocrystals. <b>2020</b> , 32, 2078-2085	8
449	Isolation of singlet carbene derived 2-arsa-1,3-butadiene radical cations and dications. <b>2020</b> , 56, 3575-3578	10
448	A Study of Magnetic Relaxation in Dysprosium(III) Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5893-5902	4.8 60
447	Adsorption of $\text{SO}_2$ and $\text{NO}_2$ molecule on intrinsic and Pd-doped $\text{HfSe}_2$ monolayer: A first-principles study. <b>2020</b> , 513, 145863	128
446	Cr (VI) adsorption from aqueous solutions on grafted chitosan. <b>2020</b> , 98, 1483-1494	1
445	Formation and Characterization of a BeOBeC Multiple Radical Featuring a Quartet Carbyne Moiety. <b>2020</b> , 132, 6990-6995	9
444	Paramagnetic Metal-Metal Bonded Heterometallic Complexes. <b>2020</b> , 120, 2409-2447	44
443	Synthesis and Structure of Uranium-Silylene Complexes. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2360-2364	10
442	Isolable cyclic radical cations of heavy main-group elements. <b>2020</b> , 56, 2167-2170	8
441	Oxidation Reactions of the N-Heterocyclic Stannylenes [ $o\text{-C}_6\text{H}_4(\text{NSitBuMe}_2)_2$ ] $\text{Sn}$ and [ $\{\text{Fe}(\text{B}-\text{C}_5\text{H}_4\text{-NSitBuMe}_2)_2\}$ ] $\text{Sn}$ with Sulfur, Selenium, and Diphenyl Diselenide. <b>2020</b> , 646, 761-768	3
440	Revised radii of the univalent Cu, Ag, Au and Tl cations. <b>2020</b> , 76, 38-40	2
439	First-Principles Insight into a Ru-Doped SnS Monolayer as a Promising Biosensor for Exhale Gas Analysis. <b>2020</b> , 5, 8919-8926	23
438	Additive-Free Conversion of Internal Alkynes by Phosphanylalumanes: Production of Phosphorus/Aluminum Frustrated Lewis Pairs. <b>2020</b> , 85, 933-942	2
437	Diiminepyridine-Supported Phosphorus(I) and Phosphorus(III) Complexes: Synthesis, Characterization, and Electrochemistry. <b>2020</b> , 2020, 2105-2111	5
436	Encapsulation of Mg inside a C cage forms an electride. <b>2020</b> , 41, 1645-1653	12
435	Syndioselective 3,4-Polymerization of 1-Phenyl-1,3-Butadiene by Rare-Earth Metal Catalysts. <b>2020</b> , 10, 5223-5229	4
434	Structural and electronic properties of c-BN (111) surface with hydrogen/fluorine functionalization and nitrogen-based small-molecule adsorption. <b>2020</b> , 32, 265002	1
433	Inhibiting the Segregation of Germanium in Silver Nanolayers. <b>2020</b> , 10, 262	3

432	Dialumenes - aryl silyl stabilisation for small molecule activation and catalysis. <b>2020</b> , 11, 4817-4827	27
431	Excited-State Chemistry: Photocatalytic Methanol Oxidation by Uranyl@Zeolite through Oxygen-Centered Radicals. <b>2020</b> , 59, 6287-6300	4
430	Activation of NO and SO by the P-B Bond System. Reversible Binding of SO by the P-O-B Geminal Frustrated Lewis Pair. <b>2020</b> , 59, 6332-6337	12
429	Theoretical Insight into Coordination Chemistry of Am(VI) and Am(V) with Phenanthroline Ligand: Implications for High Oxidation State Based Minor Actinide Separation. <b>2020</b> , 59, 6338-6350	11
428	Synthesis and properties of hypervalent electron-rich pentacoordinate nitrogen compounds. <b>2020</b> , 11, 5082-5088	1
427	Rhenium-Imido Corroles. <b>2020</b> , 59, 6382-6389	8
426	Synthesis, characterization and reactivity of a neutral antimony(III) complex. <b>2021</b> , 32, 717-720	1
425	PALS and nanoindentation as complementary methods for investigating cellulose derivatives (esters and carbamates). <b>2021</b> , 34, 304-310	
424	Theoretical study of NO <sub>2</sub> adsorption on SiCNT and P-doped SiCNT. <b>2021</b> , 127, 114519	1
423	Extended tight-binding quantum chemistry methods. <b>2021</b> , 11, e1493	149
422	Germanene/2D-SiC van der Waals heterobilayer: Structural features and tunable electronic properties. <b>2021</b> , 26, 101718	10
421	A Homoleptic Beryllium Carbonyl Complex with an End-On and Side-On Bridging Carbonyl Ligand. <b>2021</b> , 60, 1651-1655	8
420	Synthesis and Reactivity of Heteroleptic Ga-P-C Allyl Cation Analogues. <b>2021</b> , 60, 1986-1991	11
419	A Homoleptic Beryllium Carbonyl Complex with an End-On and Side-On Bridging Carbonyl Ligand. <b>2021</b> , 133, 1675-1679	4
418	First-principles calculations of the electronic, and optical properties of a GaAs/AlAs van der Waals heterostructure. <b>2021</b> , 765, 138194	7
417	Synthesis, crystal chemistry, and magnetic properties of Ce <sub>3-x</sub> RhGa <sub>10+3x</sub> (x' = 0.36): A new member of the [BaAl <sub>4</sub> ] <sub>m</sub> [CaF <sub>2</sub> ] <sub>n</sub> [AlB <sub>2</sub> ] <sub>p</sub> homologous series. <b>2021</b> , 129, 107052	0
416	Reactivity of bulky aminophosphanes towards small molecules: Activation of dihydrogen and carbon dioxide by aminophosphane/borane frustrated Lewis pairs. <b>2021</b> , 194, 114930	2
415	Palladium-Catalysed C-H Bond Zincation of Arenes: Scope, Mechanism, and the Role of Heterometallic Intermediates. <b>2021</b> , 60, 6145-6153	4

414	CO <sub>2</sub> electroreduction by transition metal-embedded two-dimensional C <sub>3</sub> N: A theoretical study. <b>2021</b> , 43, 101367		7
413	NHC-stabilisierte Stammverbindungen der Arsanylalane und -gallane. <b>2021</b> , 133, 3850-3855		2
412	Theoretical study on radii of neutral atoms and singly charged negative ions. <b>2021</b> , 138, 101392		1
411	NHC-stabilized Parent Arsanylalanes and -gallanes. <b>2021</b> , 60, 3806-3811		4
410	Fe-doped C <sub>3</sub> N monolayer as a promising SAC for CO oxidation with low temperature and high reactivity. <b>2021</b> , 1194, 113080		3
409	Phosphorene Supported Single-Atom Catalysts for CO Oxidation: A Computational Study. <b>2021</b> , 22, 378-385		2
408	Monolayer Janus TeSe-based gas sensor to detect SO and NO: a first-principles study. <b>2021</b> , 23, 1675-1683		6
407	Coordination Behavior of a P-Butterfly Complex towards Transition Metal Lewis Acids: Preservation versus Rearrangement. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3675-3681	4.8	6
406	Synthesis and Reactivity of Heteroleptic Ga-P-C Allyl Cation Analogues. <b>2021</b> , 133, 2014-2019		4
405	Palladium-Catalysed C≡C Bond Zincation of Arenes: Scope, Mechanism, and the Role of Heterometallic Intermediates. <b>2021</b> , 133, 6210-6218		3
404	Sensing behavior of Cu-embedded C <sub>3</sub> N monolayer upon dissolved gases in transformer oil: a first-principles study. <b>2021</b> , 31, 489-496		1
403	Coordination capabilities of bis-(2-pyridyl)amides in the field of divalent germanium, tin and lead compounds. <b>2021</b> , 50, 6321-6332		1
402	Yttrium germole dianion complexes with Y-Ge bonds. <b>2021</b> , 50, 5552-5556		6
401	GeCl[Co(CO)PR] <sub>x</sub> (x = 0-3; R = Pr, Bu): from cobalt substituted germanes to novel binary cluster compounds. <b>2021</b> , 50, 10789-10797		
400	Multi-Talented Gallaphosphene for Ga-P-Ga Heteroallyl Cation Generation, CO Storage, and C(sp <sup>3</sup> )-H Bond Activation. <b>2021</b> , 60, 6784-6790		17
399	Di- <i>n</i> -butyldiphosphatetrahedrane as a building block for phosphalkenes and phosphirenes. <b>2021</b> , 57, 2356-2359		2
398	Relating atomic energy, radius and electronegativity through compression. <b>2021</b> , 12, 2397-2403		7
397	Selective propargylic C(sp <sup>3</sup> )-H activation of methyl-substituted alkynes [2 + 2] cycloaddition at a titanium imido template. <b>2021</b> , 12, 13711-13718		0

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- 395 Metallocene: multi-layered molecular rotors. **2021**, 50, 14156-14162 0
- 394 Hydrostannylation of carbon dioxide by a hydridostannylene molybdenum complex. **2021**, 50, 12555-12562 2
- 393 Reactivity of the pentelidene complexes  $[Cp^*E\{W(CO)\}]$  ( $E = P, As$ ) towards dichalcogenides and chalcogenols - synthesis of novel chalcogenopentelidene complexes. **2021**, 50, 12648-12654
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- 391 Selective Separation of HNO and HCl by Extraction: The Investigation on the Noncovalent Interaction between Extractants and Acids by Density Functional Theory. **2021**, 125, 1214-1226 2
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- 389 Reductive elimination of  $[AlH]$  from a cationic Ga-Al dihydride. **2021**, 57, 9454-9457 2
- 388 Synthesis and structure of a phosphinoboronic ester in a fused bicyclic framework. **2021**, 50, 16003-16012
- 387 N-Heterocyclic carbene, carbodiphosphorane and diphosphine adducts of beryllium dihalides: synthesis, characterisation and reduction studies. **2021**, 50, 7604-7609 7
- 386 From a P butterfly scaffold to - and -P units. **2021**, 57, 2257-2260 2
- 385 Actinide Metal Carbene Complexes: Synthesis, Structure and Reactivity. **2021**, 0
- 384 Optical Signatures of Defect Centers in Transition Metal Dichalcogenide Monolayers. **2021**, 4, 2000118 0
- 383 HMNTA Complexes of Tetravalent Metal Ions: On the Roles of Carbonyl Oxygen and Amine Nitrogen in the Stabilization of Gas-Phase  $M(HMNTA)$  Complexes. **2021**, 32, 700-706 2
- 382 On the Structures of Thorium Fluoride and Oxyfluoride Anions in Molten FLiBe and FLiNaK. **2021**, 125, 1640-1646 4
- 381 Zugang zu  $(tBuCP)_n$ -Gerüsten ( $n=2, 4$ ) durch P-C-Bindungsspaltung von Di-tert-butylidiphosphatetrahedran. **2021**, 133, 6507-6512 0
- 380 Comprehensive Bonding Analysis of Tetravalent f-Element Complexes of the Type  $[M(salen)]$ . **2021**, 60, 2514-2525 10
- 379 Activation of Di-tert-butylidiphosphatetrahedrane: Access to  $(tBuCP)$  ( $n=2, 4$ ) Ligand Frameworks by P-C Bond Cleavage. **2021**, 60, 6435-6440 3

378	Two-Coordinate, Nonlinear Vanadium(II) and Chromium(II) Complexes of the Silylamide Ligand-N(SiMePh): Characterization and Confirmation of Orbitally Quenched Magnetic Moments in Complexes with Sub-d Electron Configurations. <b>2021</b> , 60, 4108-4115	5
377	2D MXenes: Tunable Mechanical and Tribological Properties. <b>2021</b> , 33, e2007973	83
376	Diphosphinoboranes as Intramolecular Frustrated Lewis Pairs: P-B-P Bond Systems for the Activation of Dihydrogen, Carbon Dioxide, and Phenyl Isocyanate. <b>2021</b> , 60, 3794-3806	5
375	Formation and Characterization of BeFe(CO) Anion with Beryllium-Iron Bonding. <b>2021</b> , 60, 9334-9338	4
374	Recent progress in 1,3,2-diazaborole chemistry. <b>2021</b> , 431, 213667	4
373	Formation and Characterization of BeFe(CO) <sub>4</sub> Anion with Beryllium-Iron Bonding. <b>2021</b> , 133, 9420-9424	0
372	Principle study of structure, energetics, and electrical properties of Ge-N-vacancy complexes in diamond. <b>2021</b> , 38, 1167	
371	Reactivity of Cu(I) Nacnac Complexes Toward Polypnictogen Compounds. <b>2021</b> , 60, 5840-5850	2
370	ViscNet: Neural network for predicting the fragility index and the temperature-dependency of viscosity. <b>2021</b> , 206, 116602	7
369	N,C,N-Coordinated Stannylenes as Ligands in Ag(I) and Au(I) Complexes. <b>2021</b> , 40, 783-791	3
368	Metalloradical Cations and Dications Based on Divinyldiphosphene and Divinyldiarsene Ligands. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 5803-5809	4.8 5
367	Bicyclic and tricyclic phosphanes with p-block substituents. <b>2021</b> ,	0
366	Ternary antimony-halogen iron carbonyl complexes and their derivatives: Syntheses, structures, reactivities, and low-energy-gap characteristics. <b>2021</b> , 937, 121717	2
365	Crystal Orbital Bond Index: Covalent Bond Orders in Solids. <b>2021</b> , 125, 7959-7970	19
364	Exploration of Ni-doped BN monolayer as a promising gas sensor for air decomposed species in the high-voltage switchgears. <b>2021</b> , 1198, 113175	
363	Heterometallic Clusters with Multiple Rare Earth Metal-Transition Metal Bonding. <b>2021</b> , 143, 5998-6005	8
362	Controlling the self-assembly and photophysical properties of biscyanovinyl terphenyl-based hexacatenars by changing the degree of fluorination. 1-11	2
361	Electride characteristics of M <sub>2</sub> (E-E) <sub>2</sub> (M = Be, Mg; E = Sb <sup>5-</sup> ). <b>2021</b> , 32, 2107	1

360	SOF <sub>2</sub> sensing by Rh-doped PtS <sub>2</sub> monolayer for early diagnosis of partial discharge in the SF <sub>6</sub> insulation device. e1919774		60
359	Group 11 Borataalkene Complexes: Models for Alkene Activation. <b>2021</b> , 133, 12120-12126		6
358	Highly Coordinated Heteronuclear Calcium-Iron Carbonyl Cation Complexes [CaFe(CO) <sub>n</sub> ] <sup>+</sup> (n=5-12) with d-d Bonding. <b>2021</b> , 133, 13984-13989		
357	Redox Chemistry of Heterobimetallic Polypnictogen Triple-Decker Complexes - Rearrangement, Fragmentation and Transfer. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 9129-9140	4.8	6
356	Anionic 1-Aza-3,4-diphospholides as redox active ligands. <b>2021</b> , 520, 120274		0
355	Coordination Behavior of [Cp*Zr(μ-As)] towards Lewis Acids. <b>2021</b> , 26,		
354	Group 11 Borataalkene Complexes: Models for Alkene Activation. <b>2021</b> , 60, 12013-12019		8
353	Triazine COF-supported single-atom catalyst (Pd1/trzn-COF) for CO oxidation. <b>2021</b> , 64, 1939-1951		6
352	Theoretical Insights into the Actinide-Silicon Bonding Nature and Stability of a Series of Actinide Complexes with Different Oxidation States. <b>2021</b> , 40, 1719-1727		2
351	Iron complexes with terminal and nonbridging phosphanido ligands. <b>2021</b> , 520, 120266		0
350	Highly Coordinated Heteronuclear Calcium-Iron Carbonyl Cation Complexes [CaFe(CO) <sub>n</sub> ] <sup>+</sup> (n=5-12) with d-d Bonding. <b>2021</b> , 60, 13865-13870		5
349	Synthese und mehrfache Folgereaktivität von anionischen cyclo-E3-Ligandkomplexen (E=P, As). <b>2021</b> , 133, 15228-15236		
348	Cationic Heterobimetallic Mg(Zn)/Al(Ga) Combinations for Cooperative C-H Bond Cleavage. <b>2021</b> , 133, 16628-16635		0
347	Interaction of Cu, Ag and Au (n = 1-4) nanoparticles with ChCl:Urea deep eutectic solvent. <b>2021</b> , 105, 107866		4
346	Phosphorus and Arsenic Atom Transfer to Isocyanides to Form π-Backbonding Cyanophosphide and Cyanoarsenide Titanium Complexes. <b>2021</b> , 60, 17595-17600		3
345	Phosphorus and Arsenic Atom Transfer to Isocyanides to Form π-Backbonding Cyanophosphide and Cyanoarsenide Titanium Complexes. <b>2021</b> , 133, 17736-17741		3
344	Cationic Heterobimetallic Mg(Zn)/Al(Ga) Combinations for Cooperative C-F Bond Cleavage. <b>2021</b> , 60, 16492-16499		4
343	Complexes of silanethiolate ligands: Synthesis, structure, properties and application. <b>2021</b> , 437, 213761		2

342	Highs and Lows of Bond Lengths: Is There Any Limit?. <b>2021</b> , 133, 17165-17173		0
341	E Transfer (E=P, As) to Ni Complexes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11649-11655	4.8	1
340	Isolierung von 1,4-Diarsinin-1,4-diid- und 1,4-Diarsinin-Derivaten. <b>2021</b> , 133, 15983-15987		1
339	Predicting Dinitrogen Coupling with a Series of Small Molecules Catalyzed by a Pincer Complex. <b>2021</b> , 16, 2063-2067		1
338	Seleno-Functionalization of Quercetin Improves the Non-Covalent Inhibition of M and Its Antiviral Activity in Cells against SARS-CoV-2. <b>2021</b> , 22,		9
337	Synthesis and Multiple Subsequent Reactivity of Anionic cyclo-E Ligand Complexes (E=P, As). <b>2021</b> , 60, 15101-15108		3
336	Electronic Structure and Spectroscopic Properties of Group-7 Tri-Oxo-Halides MOX (M = Mn-Bh, X = F-Ts). <b>2021</b> , 60, 9504-9515		1
335	Highs and Lows of Bond Lengths: Is There Any Limit?. <b>2021</b> , 60, 17028-17036		1
334	Bis(phenolate)-functionalized N-heterocyclic carbene complexes of oxo- and imido-vanadium(V). <b>2021</b> , 521, 120301		1
333	Isolation of 1,4-Diarsinine-1,4-diide and 1,4-Diarsinine Derivatives. <b>2021</b> , 60, 15849-15853		1
332	Synthesis and structure of the bimetallic organoantimony catalyst and its application in diastereoselective direct Mannich reaction as facile separation catalytic system. <b>2021</b> , 942, 121820		
331	A Novel Reactivity of Phosphanylalumane (>P-Al). <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 11273-11278	4.8	0
330	Substituent Effects on Electride Characteristics of Mg( $\eta$ -CH): A Theoretical Study. <b>2021</b> , 125, 6207-6220		4
329	ZnO monolayer supported single atom catalysts for efficient nitrogen electroreduction to ammonia. <b>2021</b> , 555, 149682		4
328	Reductions of M{N(SiMe)} (M = V, Cr, Fe): Terminal and Bridging Low-Valent First-Row Transition Metal Hydrido Complexes and "Metallo-Transamination". <b>2021</b> , 60, 11401-11411		1
327	Methane activation by a borenium complex. <b>2021</b> , 7, 1843-1851		5
326	Diastereoselective Template Synthesis on Iron and Uranium. <b>2021</b> , 40, 2389-2393		
325	Pd-decorated GaN monolayer as a promising scavenger for SO <sub>2</sub> and SOF <sub>2</sub> in SF <sub>6</sub> insulation equipment: A first-principles study. <b>2021</b> , 1201, 113276		4

324	Infrared Spectroscopy and Bonding of the B(NN) and B(NN) Cation Complexes. <b>2021</b> , 125, 6246-6253		0
323	Air-stable Organoantimony (III) Perfluoroalkyl(aryl)sulfonate complexes as highly efficient, selective, and recyclable catalysts for C=C and C=N bond-forming reactions. <b>2021</b> , 511, 111727		0
322	Machine learning based energy-free structure predictions of molecules, transition states, and solids. <b>2021</b> , 12, 4468		14
321	Highly efficient photocatalytic reduction of nitrogen into ammonia by single Ru atom catalyst supported by BeO monolayer. <b>2021</b> , 33, 399-399		7
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319	N→Ge Coordinated Germynes as Ligands for Monomeric Cu Complexes. <b>2021</b> , 2021, 3301-3304		1
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81	The Continuum Between Hexagonal Planar and Trigonal Planar Geometries**.	0
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79	Understanding electronic structures, chemical bonding, and fluxional behavior of Lu <sub>2</sub> @C <sub>2n</sub> (2n = 76 - 88) by a theoretical study.	1
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- 46 Isolation of an Annulated 1,4-Distibabenzene Diradicaloid. ○
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