

# Gerald Henkel

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Thioether-Ligated Cupric Superoxide Model with Hydrogen Atom Abstraction Reactivity. <i>Journal of the American Chemical Society</i> , 2021, 143, 3707-3713.	13.7	23
2	NHC-phosphane rhodium complexes and their reaction with oxygen. <i>Polyhedron</i> , 2020, 181, 114472.	2.2	1
3	Experimental and Theoretical High Energy Resolution Hard X-ray Absorption and Emission Spectroscopy on Biomimetic Cu <sub>2</sub> S <sub>2</sub> Complexes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3575-3581.	2.5	5
4	Structural dynamics upon photoexcitation-induced charge transfer in a dicopper(II) disulfide complex. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6274-6286.	2.8	13
5	A Powerful Synthesis Strategy of Novel Non-Symmetrical Camphor-Based Guanidines. <i>ChemistrySelect</i> , 2018, 3, 3118-3121.	1.5	3
6	Syntheses, characterization, and reactivity of copper complexes with camphor-like tetramethylguanidine ligands. <i>Inorganica Chimica Acta</i> , 2018, 481, 171-175.	2.4	9
7	Combining a Phenanthroline Moiety with Peralkylated Guanidine Residues: Homometallic Cu <sup>II</sup> , Ni <sup>II</sup> and Zn <sup>II</sup> Halide Complexes with Site-Differentiating Janus Head Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5176-5190.	2.0	2
8	Copper(I) Complexes with Thiourea Derivatives as Ligands: Revealing Secrets of Their Bonding Scheme. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1266-1279.	2.0	18
9	[Cu <sub>6</sub> (NGuaS) <sub>6</sub> ] <sup>2+</sup> and its oxidized and reduced derivatives: Confining electrons on a torus. <i>Journal of Computational Chemistry</i> , 2017, 38, 1752-1761.	3.3	1
10	A Sophisticated Approach towards a New Class of Copper(I)-Sulfur Cluster Complexes with Imidazolium-Dithiocarboxylate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3191-3197.	2.0	14
11	Direct Electrochemical Synthesis of an Unusual Complex Salt: Almost Structural Identity - Different Charge. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 266-275.	1.2	3
12	Combining a Phenanthroline Moiety with Two Peralkylated Guanidine Residues: Janus Head Pro-Ligands. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6085-6095.	2.4	3
13	Addressing Hydrogen Bonding Motifs by Suited Substitution of Thioureas. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 660-669.	1.2	5
14	Structural and NMR Spectroscopic Investigations of Cu <sup>I</sup> , Cu <sup>II</sup> , Ni <sup>II</sup> , Zn <sup>II</sup> and Fe <sup>II</sup> Complexes of 2,9-Di-(Benzothiazolino)-1,10-Phenanthroline. <i>ChemistrySelect</i> , 2016, 1, 2257-2264.	1.5	3
15	Optical response of the Cu <sub>2</sub> S <sub>2</sub> diamond core in (NGuaS) <sub>2</sub> Cl <sub>2</sub> . <i>Journal of Computational Chemistry</i> , 2016, 37, 2181-2192.	3.3	10
16	Copper(I) Thiolate Heteroadamantane Cage Structures with Relevance to Metalloproteins. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3744-3755.	2.0	5
17	Secondary Structures in Inorganic Helicates of an Octadentate Phenanthroline-Type Schiff Base Ligand. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1157-1160.	2.0	7
18	A panel of peralkylated sulfur-guanidine type bases: Novel pro-ligands for use in biomimetic coordination chemistry. <i>Inorganica Chimica Acta</i> , 2015, 430, 225-238.	2.4	5

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19	The mixed-valent copper thiolate complex hexakis( $\frac{1}{4}$ -[(1,3-dimethylimidazolidene)amino]benzenethiolato)dicopper(II)tetracopper(I) bis(hexafluoridophosphate) acetonitrile disolvate dichloromethane disolvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m54-m55.	0.2	3
20	An Approach to Model the Active Site of Peptidglycine- $\alpha$ -hydroxylating monooxygenase (PHM). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1504-1511.	1.2	14
21	2-Benzylsulfanyl-N-(1,3-dimethylimidazolidin-2-ylidene)aniline. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o554-o554.	0.2	0
22	Bis(2-{[bis(dimethylamino)methylidene]amino- $\hat{N}$ })benzenesulfonato- $\hat{N}$ )copper(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1482-m1482.	0.2	0
23	A Halide-Induced Copper(I) Disulfide/Copper(II) Thiolate Interconversion. Angewandte Chemie - International Edition, 2012, 51, 1714-1718.	13.8	60
24	<i>N</i> -Trityl-2-(tritylsulfanyl)aniline. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2887-o2887.	0.2	1
25	Synthesis and Characterisation of Novel (Guanidine)manganese Complexes and Their Application in the Epoxidation of 1-Octene. European Journal of Inorganic Chemistry, 2011, 2011, 121-130.	2.0	22
26	The Trinuclear Copper(I) Thiolate Complexes $[Cu_3(NGuaS)_3]^{0/1+}$ and their Dimeric Variants $[Cu_6(NGuaS)_6]^{1+/2+/3+}$ with Biomimetic Redox Properties. Angewandte Chemie - International Edition, 2011, 50, 4503-4507.	13.8	32
27	2-[2-(Benzylsulfanyl)phenyl]-1,1,3,3-tetramethylguanidine. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1202-o1203.	0.2	0
28	N-[Bis(dimethylamino)methylidene]-2-[(triphenylmethyl)sulfanyl]ethanaminium hexafluorophosphate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o1238-o1239.	0.2	0
29	A metallopolymer, $[Cu(abt)]_n$ (abt, 2-aminobenzenethiol) with novel structural patterns resembling black phosphorus. Inorganica Chimica Acta, 2010, 363, 2144-2148.	2.4	2
30	Systematische Studie zu den Koordinationseigenschaften des Guanidin-Liganden Bis(tetramethylguanidino)propan mit den Metallen Mangan, Cobalt, Nickel, Zink, Cadmium, Quecksilber und Silber. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2641-2649.	1.2	24
31	Stabilisation of a Highly Reactive Bis( $\frac{1}{4}$ -oxo)dicopper(III) Species at Room Temperature by Electronic and Steric Constraint of an Unconventional Nitrogen Donor Ligand. Chemistry - A European Journal, 2009, 15, 8678-8682.	3.3	46
32	Reactivity of 2,2'-bis(2N-(1,1,3,3-tetramethylguanidino))diphenyleneamine with CuI and $[Cu(MeCN)_4][PF_6]_2$ : Benzimidazole Formation vs. Cu Oxidation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1209-1214.	1.2	11
33	Phenolate Hydroxylation in a Bis( $\frac{1}{4}$ -oxo)dicopper(III) Complex: Lessons from the Guanidine/Amine Series. Journal of the American Chemical Society, 2009, 131, 1154-1169.	13.7	161
34	Characterization of the optically excited state of a bis ( $\frac{1}{4}$ -oxo)-dicopper(III) species mimicking the hemocyanin and tyrosinase active sites. Journal of Physics: Conference Series, 2009, 190, 012201.	0.4	1
35	Syntheses and X-ray Structure Analyses of the First Bis(chelated) Copper and Iron Bisguanidine Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 295-298.	1.2	24
36	Synthese und Strukturen der ersten mehrkernigen Mangan-Guanidin-Komplexe und der ersten Mangan-Komplexe mit mono-protonierten Bis-Guanidinliganden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 771-777.	1.2	21

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37	From the {Cu( $\frac{1}{2}$ -S)N} <sub>4</sub> butterfly architecture to the {Cu( $\frac{1}{3}$ -S)N} <sub>12</sub> double wheel. <i>Inorganica Chimica Acta</i> , 2008, 361, 1868-1874.	2.4	8
38	Novel cholesteric glassy liquid crystals of monosubstituted ferrocenes: synthesis and selective reflection properties of a dimesogen, and crystal structure of a monomesogen. <i>Liquid Crystals</i> , 2007, 34, 33-47.	2.2	34
39	Di- $\frac{1}{4}$ -oxido-bis[[1,3-bis(tetramethylguanidino)propane- $\hat{\nu}$ <sup>2</sup> ]/sup>2</sup><i>N</i></i><i>N</i></i><math>\hat{\nu}</math>-bromidomanganese(III)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2099-m2100.	0.2	5
40	<i>N</i></i><i>N</i></i><math>\hat{\nu}</math>-Bis(1,3-dimethylimidazolidin-2-ylidene)-2,2<math>\hat{\nu}</math>-dithiodianiline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3476-o3477.	0.2	5
41	2<math>\hat{\nu}</math>,2<math>\hat{\nu}</math>-(2,2<math>\hat{\nu}</math>-Dithiodiphenylene)bis(1,1,3,3-tetramethylguanidine). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4661-o4661.	0.2	7
42	1,1,3,3-Tetramethyl-2-[2-(tritylsulfanyl)ethyl]guanidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4683-o4683.	0.2	5
43	Di- $\frac{1}{4}$ -fluoro-bis[(acetonitrile){N,N<math>\hat{\nu}</math>-bis[(dimethylamino)(morpholino)methylene]propane-1,3-diamine}copper(II)] bis(hexafluorophosphate): the first di- $\frac{1}{4}$ -fluoro-bridged dicopper bisguanidine compound. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2138-m2140.	0.2	4
44	N,N,N<math>\hat{\nu}</math>,N<math>\hat{\nu}</math>-Tetraethylchloroformamidinium chloride, the first acyclic diaminocarbene<math>\hat{\nu}</math>-Cl <sub>2</sub> adduct. <i>Inorganic Chemistry Communication</i> , 2006, 9, 996-998.	3.9	4
45	$\hat{\nu}$ - and $\hat{\nu}$ -[Fe2( $\frac{1}{4}$ -StBu) <sub>2</sub> (StBu) <sub>4</sub> ] <sub>2</sub> <math>\hat{\nu}</math>: Coexistence of Two Bond-Stretch Isomers of a Classical Bitetrahedral Metal Chalcogenolate Compound. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8245-8249.	13.8	9
46	Hydroxylation of a methyl group: synthesis of [Cu <sub>2</sub> (btmmO) <sub>2</sub> ] <sup>+</sup> and of [Cu <sub>2</sub> (btmmO) <sub>2</sub> ] <sup>2+</sup> containing the novel ligand {bis(trimethylmethoxy)guanidino}propane (btmmO) by copper-assisted oxygen activation. <i>Inorganica Chimica Acta</i> , 2005, 358, 1089-1095.	2.4	75
47	Tuning of Copper(I)-Dioxygen Reactivity by Bis(guanidine) Ligands. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3815-3824.	2.0	93
48	A Library of Peralkylated Bis-guanidine Ligands for Use in Biomimetic Coordination Chemistry. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4879-4890.	2.4	86
49	catena-Poly[[ $\frac{1}{4}$ -cyano-[1,3-bis(tetramethylguanidino)propane]dicopper(I)]- $\frac{1}{4}$ -cyano]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m79-m81.	0.2	4
50	N,N<math>\hat{\nu}</math>-Bis(dipiperidin-1-ylmethylene)propane-1,3-diamine and N,N<math>\hat{\nu}</math>-bis(1,3-dimethylperhydropyrimidin-2-ylidene)propane-1,3-diamine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, o358-o360.	0.4	7
51	The first di- $\frac{1}{4}$ -hydroxo-bridged binuclear copper complex containing a bis-guanidine ligand. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m659-m660.	0.4	9
52	N-(8-Quinolyl)-o-(1,1,3,3-tetramethylguanidino)phenylamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o401-o402.	0.2	1
53	Metallothioneins: Zinc, Cadmium, Mercury, and Copper Thiolates and Selenolates Mimicking Protein Active Site Features <math>\hat{\nu}</math> Structural Aspects and Biological Implications. <i>ChemInform</i> , 2004, 35, no.	0.0	1
54	Metallothioneins: A Zinc, Cadmium, Mercury, and Copper Thiolates and Selenolates Mimicking Protein Active Site Features <math>\hat{\nu}</math> Structural Aspects and Biological Implications. <i>Chemical Reviews</i> , 2004, 104, 801-824.	47.7	379

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55	Metal-Controlled Stereoselectivity in Complex Formation: Assembly of Tetranuclear Copper(I) Complexes with Four Stereogenic Nitrogen Donor Functions in all-(R) and all-(S) Configurations. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1727-1734.	2.0	13
56	Syntheses and structures of transition metal thiolate complexes containing the new bis(tetramethylguanidine) ligand btmgp. <i>Inorganica Chimica Acta</i> , 2000, 311, 106-112.	2.4	27
57	1,3-Bis(N,N,N',N'-tetramethylguanidino)propane: synthesis, characterization and bonding properties of the first bidentate, peralkylated guanidine ligand. <i>Dalton Transactions RSC</i> , 2000, , 3473-3479.	2.3	72
58	[Fe <sub>2</sub> {SeC <sub>6</sub> H <sub>2</sub> -2,4,6-Ph <sub>3</sub> }] <sub>2</sub> {N(SiMe <sub>3</sub> ) <sub>2</sub> }] <sub>2</sub> and [Fe <sub>2</sub> {SeC <sub>6</sub> H <sub>2</sub> -2,4,6-Ph <sub>3</sub> }] <sub>4</sub> , the First Three-Coordinate Selenolatoiron Complexes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 377-379.	13.8	17
59	Koordinativ ungesättigte Eisen-Chalkogenolat-Komplexe mit trigonalplanaren Ligandensphären - Synthese, Eigenschaften und Reaktionen mit Stickstoff- und Sauerstoff-Donormolekülen. <i>Zeitschrift Für Anorganische Und Allgemeine Chemie</i> , 1998, 624, 1927-1936.	1.2	28
60	1,2-Bis(1-äthyl-3-äthyl-2-dimethylimidazolin-2-äthyl-iminato)ethan - ein neuer Chelatligand [1] / 1,2-Bis(1-äthyl-3-äthyl-2-dimethylimidazolin-2-äthyl-iminato)ethane - a Novel Chelating Ligand [1]. <i>Zeitschrift Für Naturforschung - Section B Journal of Chemical Sciences</i> , 1998, 53, 997-1003.	0.7	38
61	Die Metallzentren der intakten nativen Cytochrom-c-Oxidase aus Rinderherz-Mitochondrien: EXAFS-spektroskopische Identifizierung und Charakterisierung eines neuartigen homodinuclearen Kupferzentrums (Cu <sub>2</sub> ) sowie des heterodinuclearen Fe <sub>2</sub> CuZentrums. <i>Angewandte Chemie</i> , 1995, 107, 1615-1619.	2.0	19
62	The Active Sites of the Native Cytochrome-c Oxidase from Bovine Heart Mitochondria: EXAFS-Spectroscopic Characterization of a Novel Homobinuclear Copper Center(Cu <sub>2</sub> ) and of the Heterobinuclear Fe <sub>2</sub> -Cu Center. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1488-1492.	4.4	63
63	[Ni <sub>2</sub> (SC <sub>4</sub> H <sub>9</sub> ) <sub>6</sub> ] <sub>2</sub> , ein neuartiger zweikerniger Nickel-Thiolato-Komplex mit kantenverknüpften NiS <sub>4</sub> -Tetraedern und [Ni(SC <sub>6</sub> H <sub>4</sub> SiMe <sub>3</sub> ) <sub>4</sub> ] <sub>2</sub> , ein strukturell verwandtes einkerniges Komplexion / [Ni <sub>2</sub> (SC <sub>4</sub> H <sub>9</sub> ) <sub>6</sub> ] <sub>2</sub> , a Novel Binuclear Nickel-Thiolat Complex with NiS <sub>4</sub> Tetrahedra Sharing Edges and [Ni(SC <sub>6</sub> H <sub>4</sub> SiMe <sub>3</sub> ) <sub>4</sub> ] <sub>2</sub> , a Structurally Related Mononuclear Complex Ion. <i>Zeitschrift Für Naturforschung - Section B Journal of Chemical Sciences</i> , 1995, 50, 1464-1469.	0.7	17
64	Controlling the number of bridging ligands in binuclear iron thiolate complexes by modulation of ligand nucleophilicities: [Fe <sub>2</sub> (SC <sub>4</sub> H <sub>9</sub> ) <sub>5</sub> ], the first complex containing FeS <sub>4</sub> tetrahedra connected via common faces, and [Fe <sub>2</sub> (SC <sub>3</sub> H <sub>7</sub> ) <sub>6</sub> ] <sub>2</sub> , a complex with a bitetrahedral M <sub>2</sub> S <sub>6</sub> framework of conventional design. <i>Inorganic Chemistry</i> , 1993, 32, 1064-1065.	4.0	27
65	Transition-Metal Thiolates: From Molecular Fragments of Sulfidic Solids to Models for Active Centers in Biomolecules. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 769-788.	4.4	391
66	[Au <sub>2</sub> Ag <sub>4</sub> L <sub>4</sub> ] <sub>2</sub> äthyl-, [Au <sub>2</sub> Cu <sub>4</sub> L <sub>4</sub> ] <sub>2</sub> äthyl-, [Au <sub>3</sub> Cu <sub>3</sub> L <sub>4</sub> ] <sub>2</sub> äthyl-, [Cu <sub>4</sub> L <sub>3</sub> ] <sub>2</sub> äthyl-, and [Ag <sub>9</sub> L <sub>6</sub> ] <sub>3</sub> äthyl-(L= ethane-1,2-dithiolate)äthyl Novel Homoleptic Complexes of the Coinage Metals, including the First Heteronuclear Metal Thiolates. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1326-1329.	4.4	60
67	Synthesis and structure of [Ph <sub>4</sub> P] <sub>2</sub> [Hg <sub>3</sub> (SCH <sub>2</sub> C <sub>6</sub> H <sub>4</sub> CH <sub>2</sub> S) <sub>4</sub> ]-6MeOH, a novel trinuclear mercury thiolate complex with a triply bridging sulphur atom. <i>Inorganica Chimica Acta</i> , 1987, 134, 195-196.	2.4	13
68	[Hg <sub>3</sub> (SCH <sub>2</sub> CH <sub>2</sub> S) <sub>4</sub> ] <sub>2</sub> äthyl- and {[Hg <sub>2</sub> (SCH <sub>2</sub> CH <sub>2</sub> S) <sub>3</sub> ] <sub>2</sub> äthyl-}: examples of trinuclear and quasi-isolated binuclear polymeric mercury thiolate anions. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 1498-1499.	2.0	10
69	A New Route to Iron-Sulfur Clusters: Synthesis and Structure of[(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> N] <sub>2</sub> Fe <sub>6</sub> S <sub>6</sub> I <sub>6</sub> . <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 150-151.	4.4	31
70	[Cu <sub>12</sub> S <sub>8</sub> ] <sub>4</sub> äthyl-: A Closed Binary Copper(I) Sulfide Cage with Cuboctahedral Metal and Cubic Sulfur Arrangements. <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 311-312.	4.4	63
71	Synthesis and structure of [Ph <sub>4</sub> P] <sub>2</sub> [Cu <sub>6</sub> (S <sub>4</sub> ) <sub>3</sub> S <sub>5</sub> ], a polycyclic hexanuclear copper (I) cluster with complete sulphur co-ordination. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 314.	2.0	13
72	[Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>2</sub> {SC <sub>6</sub> H <sub>5</sub> }] <sub>2</sub> ? and [Fe <sub>2</sub> {o-(SCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> }] <sub>3</sub> ?: Binuclear Thiolatoiron(II) Anions with Tetrahedral FeS <sub>4</sub> -Coordination. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 319-320.	4.4	12

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73	<p>[Fe<sub>2</sub>(SCH<sub>2</sub>)<sub>2</sub>CH<sub>2</sub>]<sub>2</sub>C<sub>6</sub>H<sub>4</sub>]<sub>2</sub>{SC<sub>6</sub>H<sub>4</sub>SC<sub>6</sub>H<sub>4</sub>]<sub>2</sub> und            [Fe<sub>2</sub>(SCH<sub>2</sub>)<sub>2</sub>CH<sub>2</sub>]<sub>3</sub>]<sup>2-</sup>:            Zweikernige Thiolatoeisen(II)-Anionen mit tetraedrischer FeS<sub>4</sub>-Koordination. <i>Angewandte Chemie</i>, 1983, 95, 317-318.</p>		