

Gerald Henkel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Metallothioneins: Zinc, Cadmium, Mercury, and Copper Thiolates and Selenolates Mimicking Protein Active Site Features – Structural Aspects and Biological Implications. <i>Chemical Reviews</i> , 2004, 104, 801-824.	47.7	379
3	Phenolate Hydroxylation in a Bis(¼-oxo)dicopper(III) Complex: Lessons from the Guanidine/Amine Series. <i>Journal of the American Chemical Society</i> , 2009, 131, 1154-1169.	13.7	161
4	Tuning of Copper(I)-Dioxygen Reactivity by Bis(guanidine) Ligands. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3815-3824.	2.0	93
5	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
6	Hydroxylation of a methyl group: synthesis of [Cu ₂ (btmmO) ₂] ⁺ and of [Cu ₂ (btmmO) ₂] ²⁺ 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
7	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
8	[Cu ₂ S ₈] ⁴⁻ : 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
9	The Active Sites of the Native Cytochrome-c Oxidase from Bovine Heart Mitochondria: EXAFS-Spectroscopic Characterization of a Novel Homobinuclear Copper Center(CuA) and of the Heterobinuclear Fea3-CuB Center. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1488-1492.	4.4	63
10	[Au ₂ Ag ₄ L ₄] ²⁻ , [Au ₂ Cu ₄ L ₄] ²⁻ , [Au ₃ Cu ₃ L ₄] ²⁻ , [Cu ₄ L ₃] ²⁻ , and [Ag ₉ L ₆] ³⁻ (L= ethane-1,2-dithiolate) – 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
11	A Halide-Induced Copper(I) Disulfide/Copper(II) Thiolate Interconversion. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1714-1718.	13.8	60
12	Stabilisation of a Highly Reactive Bis(¼-oxo)dicopper(III) Species at Room Temperature by Electronic and Steric Constraint of an Unconventional Nitrogen Donor Ligand. <i>Chemistry - A European Journal</i> , 2009, 15, 8678-8682.	3.3	46
13	1,2-Bis(1,3-dimethylimidazolin-2-iminato)ethane - ein neuer Chelatligand [1] / 1,2-Bis(1,3-dimethylimidazolin-2-iminato)ethane - a Novel Chelating Ligand [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1998, 53, 997-1003.	0.7	38
14	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
15	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. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4503-4507.	13.8	32
16	A New Route to Iron-Sulfur Clusters: Synthesis and Structure of [(C ₂ H ₅) ₄ N] ₂ Fe ₆ S ₆ I ₆ . <i>Angewandte Chemie International Edition in English</i> , 1984, 23, 150-151.	4.4	31
17	Koordinativ ungesättigte Eisen-Chalkogenolat-Komplexe mit trigonalplanaren Ligandensphären - Synthese, Eigenschaften und Reaktionen mit Stickstoff- und Sauerstoff-Donormolekülen. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1998, 624, 1927-1936.	1.2	28
18	Controlling the number of bridging ligands in binuclear iron thiolate complexes by modulation of ligand nucleophilicities: [Fe ₂ (SC ₄ H ₉) ₅]-, the first complex containing FeS ₄ tetrahedra connected via common faces, and [Fe ₂ (SC ₃ H ₇)] ₆ ²⁻ , a complex with a bitetrahedral M ₂ S ₆ framework of conventional design. <i>Inorganic Chemistry</i> , 1993, 32, 1064-1065.	4.0	27

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19	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
20	Syntheses and X-ray Structure Analyses of the First Bis(chelated) Copper and Iron Bisguanidine Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 295-298.	1.2	24
21	Systematische Studie zu den Koordinationseigenschaften des Guanidin-Liganden Bis(tetramethylguanidino)propan mit den Metallen Mangan, Cobalt, Nickel, Zink, Cadmium, Quecksilber und Silber. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2641-2649.	1.2	24
22	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
23	Synthesis and Characterisation of Novel (Guanidine)manganese Complexes and Their Application in the Epoxidation of 1-Octene. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 121-130.	2.0	22
24	Synthese und Strukturen der ersten mehrkernigen Mangan-Guanidin-Komplexe und der ersten Mangan-Komplexe mit mono-protonierten Bis-Guanidinliganden. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 771-777.	1.2	21
25	Die Metallzentren der intakten nativen Cytochrom-c-Oxidase aus Rinderherz-Mitochondrien: EXAFS-spektroskopische Identifizierung und Charakterisierung eines neuartigen homodinuclearen Kupferzentrums (Cu_2) sowie des heterodinuclearen Fe_2 -Zentrums. <i>Angewandte Chemie</i> , 1995, 107, 1615-1619.	2.0	19
26	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
27	$[\text{Ni}_2(\text{SC}_4\text{H}_9)_6]_2$, ein neuartiger zweikerniger Nickel-Thiolato-Komplex mit kantenverknüpften NiS_4 -Tetraedern und $[\text{Ni}(\text{SC}_6\text{H}_4\text{SiMe}_3)_4]_2$, ein strukturell verwandtes einkerniges Komplexion / $[\text{Ni}_2(\text{SC}_4\text{H}_9)_6]_2$, a Novel Binuclear Nickel-Thiolat Complex with NiS_4 Tetrahedra Sharing Edges and $[\text{Ni}(\text{SC}_6\text{H}_4\text{SiMe}_3)_4]_2$, a Structurally Related Mononuclear Complex Ion. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1995, 50, 1464-1468.	0.7	17
28	$[\text{Fe}_2\{\text{SeC}_6\text{H}_2\text{-2,4,6-Ph}_3\}_2\{\text{N}(\text{SiMe}_3)_2\}_2]$ and $[\text{Fe}_2\{\text{SeC}_6\text{H}_2\text{-2,4,6-Ph}_3\}_4]$, the First Three-Coordinate Selenolatoiron Complexes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 377-379.	13.8	17
29	An Approach to Model the Active Site of Peptidglycine-Hydroxylating monooxygenase (PHM). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1504-1511.	1.2	14
30	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
31	Synthesis and structure of $[\text{Ph}_4\text{P}]_2[\text{Cu}_6(\text{S}_4)_3\text{S}_5]$, 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
32	Synthesis and structure of $[\text{Ph}_4\text{P}]_2[\text{Hg}_3(\text{SCH}_2\text{C}_6\text{H}_4\text{CH}_2\text{S})_4] \cdot 6\text{MeOH}$, a novel trinuclear mercury thiolate complex with a triply bridging sulphur atom. <i>Inorganica Chimica Acta</i> , 1987, 134, 195-196.	2.4	13
33	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
34	Structural dynamics upon photoexcitation-induced charge transfer in a dicopper-disulfide complex. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6274-6286.	2.8	13
35	$[\text{Fe}_2\{\text{o}-(\text{SCH}_2)_2\text{C}_6\text{H}_4\}_2\{\text{SC}_6\text{H}_5\}_2]^{2-}$ and $[\text{Fe}_2\{\text{o}-(\text{SCH}_2)_2\text{C}_6\text{H}_4\}_3]^{2-}$: Binuclear Thiolatoiron(II) Anions with Tetrahedral FeS_4 -Coordination. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 319-320.	4.4	12
36	Reactivity of $2,2'$ -bis(2- $\text{N}(\text{1,1-dimethyl-3-tetramethylguanidino})$ diphenylene)amine with CuI and $[\text{Cu}(\text{MeCN})_4][\text{PF}_6]_2$: Benzimidazole Formation vs. Cu Oxidation. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1209-1214.	1.2	11

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37	[Hg ₃ (SCH ₂ CH ₂ S) ₄] ²⁻ and [Hg ₂ (SCH ₂ CH ₂ S) ₃] ²⁻ : 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
38	[Fe ₂ (SCH ₂ CH ₂ S) ₂] ²⁻ and [Fe ₂ (SCH ₂ CH ₂ S) ₂] ²⁻ : examples of binuclear iron(II) thiolate anions with tetrahedral FeS ₄ coordination. <i>Angewandte Chemie</i> , 1983, 95, 317-318.		
39	Optical response of the Cu ₂ S ₂ diamond core in (NGuaS) ₂ Cl ₂ . <i>Journal of Computational Chemistry</i> , 2016, 37, 2181-2192.	3.3	10
40	The first di- μ -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
41	μ - and μ -[Fe ₂ (μ -StBu) ₂ (StBu) ₄] ²⁻ : 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
42	Syntheses, characterization, and reactivity of copper complexes with camphor-like tetramethylguanidine ligands. <i>Inorganica Chimica Acta</i> , 2018, 481, 171-175.	2.4	9
43	From the {Cu(μ -S)N} ₄ butterfly architecture to the {Cu(μ -S)N} ₁₂ double wheel. <i>Inorganica Chimica Acta</i> , 2008, 361, 1868-1874.	2.4	8
44	N,N'-Bis(dipiperidin-1-ylmethylene)propane-1,3-diamine and N,N'-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
45	μ -[2,2'-dithiodiphenylene]bis(1,1,3,3-tetramethylguanidine). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4661-o4661.	0.2	7
46	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
47	Di- μ -oxido-bis{[1,3-bis(tetramethylguanidino)propane] ²⁺ }bromidomanganese(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2099-m2100.	0.2	5
48	μ -[2,2'-dithiodianiline]bis(1,3-dimethylimidazolidin-2-ylidene). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3476-o3477.	0.2	5
49	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
50	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
51	Addressing Hydrogen Bonding Motifs by Suited Substitution of Thioureas. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 660-669.	1.2	5
52	Copper(I) Thiolate Heteroadamantane Cage Structures with Relevance to Metalloproteins. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3744-3755.	2.0	5
53	Experimental and Theoretical High Energy Resolution Hard X-ray Absorption and Emission Spectroscopy on Biomimetic Cu ₂ S ₂ Complexes. <i>Journal of Physical Chemistry A</i> , 2019, 123, 3575-3581.	2.5	5
54	catena-Poly[[μ -cyano-[1,3-bis(tetramethylguanidino)propane]dicopper(I)]- μ -cyano]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m79-m81.	0.2	4

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55	Di- μ -fluoro-bis[(acetonitrile){N,N-bis[(dimethylamino)(morpholino)methylene]propane-1,3-diamine}copper(II)] bis(hexafluorophosphate): the first di- μ -fluoro-bridged dicopper bisguanidine compound. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2138-m2140.	0.2	4
56	N,N,N',N'-Tetraethylchloroformamidinium chloride, the first acyclic diaminocarbene-Cl ₂ adduct. <i>Inorganic Chemistry Communication</i> , 2006, 9, 996-998.	3.9	4
57	The mixed-valent copper thiolate complex hexakis- μ -3-[(1,3-dimethylimidazolidene)amino]benzenethiolato}dicopper(II)tetracopper(I) bis(hexafluoridophosphate) acetonitrile disolvate dichloromethane disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m54-m55.	0.2	3
58	Structural and NMR Spectroscopic Investigations of Cu ^I , Cu ^{II} , Ni ^{II} , Zn ^{II} and Fe ^{II} Complexes of 2,9- μ -(Benzothiazolino)-1,10-Phenanthroline. <i>ChemistrySelect</i> , 2016, 1, 2257-2264.	1.5	3
59	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
60	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
61	A Powerful Synthesis Strategy of Novel Non-Symmetrical Camphor-Based Guanidines. <i>ChemistrySelect</i> , 2018, 3, 3118-3121.	1.5	3
62	A metallopolymer, [Cu(abt)] _n (abt, 2-aminobenzenethiol) with novel structural patterns resembling black phosphorus. <i>Inorganica Chimica Acta</i> , 2010, 363, 2144-2148.	2.4	2
63	Combining a Phenanthroline Moiety with Peralkylated Guanidine Residues: Homometallic Cu ^{II} , Ni ^{II} and Zn ^{II} Halide Complexes with Site-Differentiating Janus Head Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5176-5190.	2.0	2
64	N-(8-Quinolyloxy)-1,1,3,3-tetramethylguanidino)phenylamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o401-o402.	0.2	1
65	Metallothioneins: Zinc, Cadmium, Mercury, and Copper Thiolates and Selenolates Mimicking Protein Active Site Features – Structural Aspects and Biological Implications. <i>ChemInform</i> , 2004, 35, no.	0.0	1
66	Characterization of the optically excited state of a bis(μ -oxo)-dicopper(III) species mimicking the hemocyanin and tyrosinase active sites. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012201.	0.4	1
67	<i>N</i> -Trityl-2-(tritylsulfanyl)aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2887-o2887.	0.2	1
68	[Cu ₆ (NGuaS) ₆] ²⁺ and its oxidized and reduced derivatives: Confining electrons on a torus. <i>Journal of Computational Chemistry</i> , 2017, 38, 1752-1761.	3.3	1
69	NHC-phosphane rhodium complexes and their reaction with oxygen. <i>Polyhedron</i> , 2020, 181, 114472.	2.2	1
70	2-[2-(Benzylsulfanyl)phenyl]-1,1,3,3-tetramethylguanidine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1202-o1203.	0.2	0
71	N-[Bis(dimethylamino)methylidene]-2-[(triphenylmethyl)sulfanyl]ethanaminium hexafluorophosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1238-o1239.	0.2	0
72	Bis(2-[[bis(dimethylamino)methylidene]amino- μ]-benzenesulfonato- μ)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1482-m1482.	0.2	0

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73	2-Benzylsulfanyl-N-(1,3-dimethylimidazolidin-2-ylidene)aniline. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o554-o554.	0.2	0