

Hans Reuter

List of Publications by Year in descending order

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79
papers

1,887
citations

257450

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265206

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89
all docs

89
docs citations

89
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Inorganic Chemistry: Small Guests in Small and Large Hosts. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2328-2361.	4.4	500
2	Synthesis of diastereo- and enantiomerically pure β -amino- β -oxo acid esters by reaction of acyliminoacetates with enamines derived from 6-membered ketones. <i>Tetrahedron</i> , 1985, 41, 1693-1701.	1.9	127
3	Chemistry of Monomeric and Dinuclear Non-Oxido Vanadium(IV) and Oxidovanadium(V) Aroylazine Complexes: Exploring Solution Behavior. <i>Inorganic Chemistry</i> , 2016, 55, 1165-1182.	4.0	62
4	Trimethylene-Bridged Tri- and Tetra- tin Compounds as Building Blocks for Unusual Double and Triple Ladders. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1112-1114.	4.4	59
5	Polynuclear zinc(II) complexes of thiosemicarbazone: Synthesis, X-ray structure and biological evaluation. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110908.	3.5	49
6	The structure of (iBu ₃ Sn) ₂ CO ₃ and (Me ₃ Sn) ₂ CO ₃ in solution and in the solid state studied by ¹³ C/ ¹¹⁹ Sn NMR spectroscopy. <i>Journal of Organometallic Chemistry</i> , 1992, 427, 309-323.	1.8	46
7	The insertion of chalcogen atoms into Al-Al and Ga-Ga bonds. <i>Polyhedron</i> , 1996, 15, 3987-3992.	2.2	40
8	Reactions of Tetrakis[bis(trimethylsilyl)methyl]digallane(4) with Carboxylic Acids: Substituent Exchange and Bridging of the Ga-Ga bond by two Carboxylate Groups. <i>Chemische Berichte</i> , 1996, 129, 1425-1428.	0.2	37
9	Inclusion of Metal Ions within a Tin(IV) Oxygen Cage Stabilized by Organic Residues: Crystal Structure of [(iPrSn) ₁₂ O ₄ (OH) ₂₄][Ag ₇ I ₁₁]. NaCl·H ₂ O·10DMSO. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1482-1484.	4.4	36
10	Zur Hydrolyse von Monoorganylzinn-trihalogeniden. <i>Journal of Organometallic Chemistry</i> , 1989, 364, 57-65.	1.8	35
11	The High-Anti Conformation of 7-Halogenated 8-Aza-7-deaza-2'-deoxy-guanosines: A Study of the Influence of Modified Bases on the Sugar Structure of Nucleosides. <i>Helvetica Chimica Acta</i> , 1999, 82, 105-124.	1.6	35
12	New Impetus for Inorganic Host-Guest Chemistry. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1185-1188.	4.4	34
13	Anionic Dinuclear Oxidovanadium(IV) Complexes with Azo Functionalized Tridentate Ligands and $\mu_3/4$ -Ethoxido Bridge Leading to an Unsymmetric Twisted Arrangement: Synthesis, X-ray Structure, Magnetic Properties, and Cytotoxicity. <i>Inorganic Chemistry</i> , 2018, 57, 5767-5781.	4.0	33
14	Solid-state ¹¹⁹ Sn NMR studies of coordination in triorganyltin fluorides. <i>Journal of Organometallic Chemistry</i> , 1991, 408, 167-172.	1.8	31
15	Synthesis, structure and cytotoxicity of a series of Dioxidomolybdenum(VI) complexes featuring Salan ligands. <i>Journal of Inorganic Biochemistry</i> , 2017, 172, 110-121.	3.5	28
16	Sol-gel processes. <i>Advanced Materials</i> , 1991, 3, 258-259.	21.0	27
17	Chemistry of mixed-ligand oxidovanadium(IV) complexes of aroylhydrazones incorporating quinoline derivatives: Study of solution behavior, theoretical evaluation and protein/DNA interaction. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110786.	3.5	27
18	Viologen-based benzylic dendrimers: selective synthesis of 3,5-bis(hydroxymethyl)benzylbromide and conformational analysis of the corresponding viologen dendrimer subunit. <i>Tetrahedron Letters</i> , 2010, 51, 2188-2192.	1.4	26

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19	The insertion of chalcogen atoms into the In—In bond of tetrakis[bis(trimethylsilyl)methyl]diindane(4): monomeric compounds with In—,S—,In, In—,Se—,In, and In—,Te—,In groups. <i>Journal of Organometallic Chemistry</i> 1996, 523, 227-234.	1.8	25
20	<i>N</i> -Tosylaza[2.2]metacyclophan - Darstellung, Struktur, HelicitÄt, Chiroptik, Racemisierung. <i>Chemische Berichte</i> , 1988, 121, 823-828.	0.2	24
21	7-Deaza-2-deoxyxanthosine Dihydrate Forms Water-Filled Nanotubes with C—H...O Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 603-605.	13.8	24
22	Dioxidomolybdenum(VI) complexes bearing sterically constrained aroylazine ligands: Synthesis, structural investigation and catalytic evaluation. <i>Inorganica Chimica Acta</i> , 2018, 469, 366-378.	2.4	24
23	Macroring-neutral molecule complexation. Synthesis of biconcave pyridino hosts, complex formation, and x-ray crystal structures of two inclusion compounds. <i>Journal of Organic Chemistry</i> , 1991, 56, 1236-1242.	3.2	22
24	Protein binding and cytotoxic activities of monomeric and dimeric oxido-vanadium(V) salan complexes: Exploring the solution behavior of monoalkoxido-bound oxido-vanadium(V) complex. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111582.	3.5	21
25	Synthese und MolekÄleinschluÄ von Naphtho- und Benzonaphtho-kondensierten Pyridinokronen - Kristallstruktur eines Dioxan-Clathrats. <i>Chemische Berichte</i> , 1989, 122, 959-967.	0.2	18
26	Different conformations of 1-deazaadenosine and its 2-deoxyribonucleoside in the solid state and in solution. <i>Tetrahedron</i> , 1999, 55, 1295-1308.	1.9	18
27	Structural parameters of dimethyl sulfoxide, DMSO, at 100 K, based on a redetermination by use of high-quality single-crystal X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1405-1408.	0.5	16
28	Atom-Economical Palladium Carbon-Catalyzed <i>de Novo</i> Synthesis of Trisubstituted Nicotinonitriles. <i>Journal of Organic Chemistry</i> , 2017, 82, 9012-9022.	3.2	13
29	Copper(I)-Catalyzed Synthesis of Functionalized Indolizinones from Substituted Pyridine Homologated Ynones. <i>Journal of Organic Chemistry</i> , 2020, 85, 902-911.	3.2	13
30	Monoorganotin-polyoxometal compounds. <i>Journal of Organometallic Chemistry</i> , 2000, 598, 381-386.	1.8	12
31	Coordination chemistry of tin. <i>Journal of Organometallic Chemistry</i> , 2002, 649, 147-151.	1.8	10
32	Reaction products of diorganotin(IV) oxides, R ₂ SnO, with nitric acid. Part 1: R = methyl, ethyl, and isopropyl. <i>Canadian Journal of Chemistry</i> , 2014, 92, 471-483.	1.1	8
33	Sol-Gel Processes II Investigation and Application. <i>Advanced Materials</i> , 1991, 3, 568-571.	21.0	7
34	New Dimensions in the Sol-Gel Process. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1578-1579.	4.4	7
35	The thermal decomposition of an organometallic precursor for the preparation of YBa ₂ Cu ₃ O _{7-x} . <i>Advanced Materials</i> , 1997, 9, 1049-1052.	21.0	7
36	Copper(catalyzed synthesis of selanyl methylene 4-chromanol and aurone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4619-4627.	2.8	7

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37	On the structural diversity anions coordinate to the butterfly-shaped $[(R)_2Sn_3O(OH)_2]^{2+}$ cations and vice versa. Canadian Journal of Chemistry, 2014, 92, 496-507.	1.1	6
38	Reaction products of diorganotin(IV) oxides, R_2SnO , with nitric acid. Part 2 " R = n-butyl and t-butyl. Canadian Journal of Chemistry, 2014, 92, 484-495.	1.1	6
39	catena-Poly[[di-tert-butyltin(IV)] $\frac{1}{4}$ -oxalato]. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m133-m133.	0.2	6
40	Na ₉ Bi ₅ Os ₃ O ₂₄ : A Diamagnetic Oxide Featuring a Pronouncedly Jahn-Teller-Compressed Octahedral Coordination of Osmium(VI). Angewandte Chemie - International Edition, 2021, 60, 16500-16505.	13.8	6
41	INVESTIGATIONS INTO THE CRYSTAL CHEMISTRY OF $iPrSnCl_3 \cdot 2DMSO$. Main Group Metal Chemistry, 1999, 22, 605-610.	1.6	5
42	Synthesis and Crystal Structures of O_2 , 3 -Cyclic Cyclopentanone and Cyclohexanone Ketals of the Cytostatic 5-Fluorouridine. Helvetica Chimica Acta, 2009, 92, 1923-1932.	1.6	5
43	(E)-4-(2,3-Dihydro-1,3-benzothiazol-2-ylidene)-3-methyl-1-phenyl-1H-pyrazol-5(4H)-one. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1096-o1096.	0.2	5
44	$[(iPrSn)_2O_4(OH)_6][(iPrSn)_3(OV)_4O_10(OH)_3] \cdot 4DMSO$: Evidence for the Formation of Contact Ion Pairs Resulting from the Nucleophilic Attack on a Square Pyramidally Coordinated Tin Atom. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1364-1366.	1.6	5
45	Methylphosphonic acid, $CH_3PO(OH)_2$. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o353-o353.	0.2	5
46	Monoorganotin polyoxometal-compounds. Part IV: $Na_2[(iPrSn)_3(OV)_4O_10(OH)_3] \cdot 5H_2O \cdot 3DMSO$, a novel branched tetravanadate(V) stabilized by a trimeric monoorganotin-oxo-hydroxo unit. Inorganica Chimica Acta, 2010, 363, 4277-4281.	2.4	4
47	A combined experimental and theoretical analysis on the solid-state supramolecular assemblies of pent-2-ynol derivatives. Journal of Molecular Structure, 2021, 1243, 130813.	3.6	4
48	Hexa- $\frac{1}{4}$ -acetato-hexa-n-butylhexa- $\frac{1}{4}$ -oxido-tin(IV) toluene monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m4-m4.	0.2	4
49	Methyl 1-deoxy-1-(N ¹ -thyminy)- β -D-psicofuranoside. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4294-o4294.	0.2	2
50	Synthesis and Crystal Structures of Two 9-(2-Bromoethyl)-Substituted 7-Deazapurines. Helvetica Chimica Acta, 2009, 92, 1944-1951.	1.6	2
51	$Et_2SnCl_2 \cdot H_2O$ and the Trigonal-Bipyramidal Transition State of a S_N2 Reaction. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1367-1369.	1.6	2
52	New Ag_8PtO_6 : synthesis, crystal structure, physical properties and theoretical analyses. Dalton Transactions, 2019, 48, 5058-5063.	3.3	2
53	Diacetatodi-tert-butyltin(IV). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m254-m254.	0.2	2
54	O ₂ , 1-Anhydro-(β -D-Psicofuranosyl)Thymine and 1-(1-Anhydro- β -D-Psicofuranosyl)Thymine: The Crystal Structures Versus the 1H NMR and AB Initio Data. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1015-1019.	1.1	1

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55	4-[(3-Hydroxy-5-phenyl-1H-pyrazol-4-yl)methyl]-5-phenyl-1H-pyrazol-3(2H)-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2554-o2556.	0.2	1
56	7-Cyclopropyl-2- ϵ -deoxytubercidin: a carbocyclic side-chain derivative of 7-deaza-2- ϵ -deoxyadenosine. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 1116-1120.	0.5	1
57	Crystal structure of the coordination compound of triiodidomethyltin(IV) with 2,2'-bipyridine, MeSnI ₃ ·bipy. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 17-20.	0.5	1
58	Circumventing the perovskite pattern: Linear ruthenate(V) polyoxoanions in Bi ₂ NaRuO ₆ . Solid State Sciences, 2018, 82, 52-58.	3.2	1
59	Synthesis of New Potential Lipophilic Co-Drugs of 2-Chloro-2- ϵ -deoxyadenosine (Cladribine, 2- ϵ -dA), Tj ETQq1 1 0.784314 e1800497.	2.1	1
60	Redetermination of dipotassium trichloridostannate(II) chloride monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, i10-i10.	0.2	1
61	Dilithium hexahydroxidostannate(IV) dihydrate, a second monoclinic modification with a layer structure. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, i25-i25.	0.2	1
62	Calcium hexakis(dihydrogenphosphito)stannate(IV), Ca[Sn(H ₂ PO ₂) ₆], with some remarks on the so-called Ge ₂ (H ₂ PO ₂) ₆ structure type. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, i44-i44.	0.2	1
63	Crystal structure of a one-dimensional coordination polymer of tin(IV) bromide with 1,4-dithiane. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m267-m268.	0.5	1
64	Crystal structure of bis(benzoato- η O)dibutyltin(IV), nBu ₂ Sn(bzo) ₂ . Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 897-900.	0.5	1
65	Di- <i>tert</i> -butyltin(IV)-hydroxide-iodide, $\text{Bu}_2\text{Sn}(\text{OH})\text{I}$, the last missing member in the series of pure di- <i>tert</i> -butyltin(IV)-hydroxide-halides. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 633-637.	0.5	1
66	Sol-Gel Processing in Bad Honnef. Angewandte Chemie International Edition in English, 1989, 28, 1437-1438.	4.4	0
67	Diaquatetrabromidotin(IV) trihydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, i70-i70.	0.2	0
68	3-Methylideneoxolane-2,5-dione. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o321-o321.	0.2	0
69	Crystal structure of catena-poly[[aqua-di-n-propyltin(IV)]- η ⁴ -oxalato]. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, 87-90.	0.2	0
70	Crystal structure of (E)-2-hydroxy-1,2-diphenylethan-1-one oxime. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1062-1065.	0.5	0
71	Guanosine Nucleolipids: Synthesis, Characterization, Aggregation and X-Ray Crystallographic Identification of Electricity-Conducting Ribbons. Chemistry and Biodiversity, 2019, 16, e1900024.	2.1	0
72	Two coordination compounds of SnCl ₂ with 4-methylpyridine <i>N</i> -oxide. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 91-95.	0.5	0

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73	Na ₉ Bi ₅ Os ₃ O ₂₄ : A Diamagnetic Oxide Featuring a Pronouncedly Jahn–Teller–Compressed Octahedral Coordination of Osmium(VI). <i>Angewandte Chemie</i> , 2021, 133, 16636-16641.	2.0	0
74	Dimethyl 3-acetyl-3-(1,3-benzothiazol-2-yl)pentanedioate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o2290-o2290.	0.2	0
75	Bis(¼-benzoato) ² ·O·O ² bis(benzoato) ¹ ·O·octabutylidetri-¼ ₃ -oxido-tetratin(IV). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 322-326.	0.5	0
76	Redetermination of the crystal structure of dimethylbis[2,4-pentanedionato(1 ⁺) ² ·O ² , ⁴]tin(IV). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 472-475.	0.5	0
77	Redetermination of Sr ₂ PdO ₃ from single-crystal X-ray data. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 30-32.	0.5	0
78	The 2 ² -deoxyribofuranoside of 3-phenyltetrahydropyrimido[4,5- <i>c</i>]pyridazin-7-one: a bicyclic nucleoside with sugar residues in <i>N</i> and <i>S</i> conformations, and its molecular recognition. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 382-389.	0.5	0
79	Ba ₃ [Sn(OH) ₆][SeO ₄] ₂ ·3H ₂ O, a hydrated 1:2 double salt of barium hexahydroxidostannate(IV) and barium selenate(VI). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2022, 78, 809-813.	0.5	0