

Volker Huch

List of Publications by Year in descending order

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101
papers

2,230
citations

236925

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276875

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110
all docs

110
docs citations

110
times ranked

1710
citing authors

#	ARTICLE	IF	CITATIONS
1	Diarylpnictogenyldialkylalanes"€Synthesis, Structures, Bonding Analysis, and CO ₂ Capture. Inorganic Chemistry, 2022, 61, 1672-1684.	4.0	4
2	Siliconoid Expansion by a Single Germanium Atom through Isolated Intermediates. Angewandte Chemie - International Edition, 2022, , .	13.8	9
3	Five new complexes with deferiprone and N,N-donor ligands: evaluation of cytotoxicity against breast cancer MCF-7 cell line and HSA-binding determination. Journal of Biomolecular Structure and Dynamics, 2021, 39, 4845-4858.	3.5	4
4	Ein gemischtes, schwereres Si=Ge Analogon eines Vinylanions. Angewandte Chemie, 2021, 133, 246-250.	2.0	6
5	A Mixed Heavier Si=Ge Analogue of a Vinyl Anion. Angewandte Chemie - International Edition, 2021, 60, 242-246.	13.8	16
6	Tetra- and Pentaisopropylcyclopentadienyl Complexes of Group 15 Elements. Organometallics, 2021, 40, 618-626.	2.3	9
7	Diphosphanylmetallocenes of Main-€Group Elements. Chemistry - A European Journal, 2021, 27, 6500-6510.	3.3	10
8	Metathesis of Ge=Ge double bonds. Nature Chemistry, 2021, 13, 373-377.	13.6	21
9	Reactivity of Phenylacetylene toward Unsymmetrical Disilenes: Regiodivergent [2+2] Cycloaddition vs. CH Addition. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1751-1758.	1.2	1
10	<sc>Aryl-€group</sc> substituted polysiloxanes with high-€optical transmission, thermal stability, and refractive index. Journal of Polymer Science, 2021, 59, 2265-2283.	3.8	7
11	Synthesis and Hydrogen-€Bond Patterns of Aryl-€Group Substituted Silanediols and -€triols from Alkoxy-€ and Chlorosilanes. Chemistry - A European Journal, 2021, 27, 16461-16476.	3.3	9
12	Luminescent Symmetrically and Unsymmetrically Substituted Diboranes(4). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 816-827.	1.2	0
13	Chalcogen-€Expanded Unsaturated Silicon Clusters: Thia-€, Selena-€, and Tellurasiliconoids. Chemistry - A European Journal, 2020, 26, 16599-16602.	3.3	10
14	Towards the Total Synthesis of Jerangolids -€ Synthesis of an Advanced Intermediate for the Pharmacophore Substructure. European Journal of Organic Chemistry, 2020, 2020, 5833-5840.	2.4	3
15	Donor-€Stabilized Monocarb-€Bridged Bis(cyclopentadienyl)alanes. ChemistryOpen, 2020, 9, 1095-1099.	1.9	0
16	Bildung Stabiler All-€Silicium Varianten von 1,3-€Cyclobutandiyl im Gleichgewicht. Angewandte Chemie, 2020, 132, 15199-15204.	2.0	6
17	Free Radical Chemistry of Phosphasilenes. Angewandte Chemie - International Edition, 2020, 59, 16007-16012.	13.8	12
18	Equilibrium Formation of Stable All-€Silicon Versions of 1,3-€Cyclobutanediyl. Angewandte Chemie - International Edition, 2020, 59, 15087-15092.	13.8	34

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19	Indirekte und direkte Anknüpfung von Übergangsmetallen an Silicoide. <i>Angewandte Chemie</i> , 2020, 132, 8610-8614.	2.0	5
20	Exohedral functionalization vs. core expansion of siliconoids with Group 9 metals: catalytic activity in alkene isomerization. <i>Chemical Science</i> , 2020, 11, 7782-7788.	7.4	25
21	Chemie freier Radikale von Phosphasilenen. <i>Angewandte Chemie</i> , 2020, 132, 16141-16146.	2.0	3
22	Indirect and Direct Grafting of Transition Metals to Siliconoids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8532-8536.	13.8	18
23	Molecular enneanuclear Cu ^{II} phosphates containing planar hexanuclear and trinuclear sub-units: syntheses, structures, and magnetism. <i>Dalton Transactions</i> , 2020, 49, 2527-2536.	3.3	4
24	Magnocenophane-Catalyzed Amine Borane Dehydrocoupling. <i>Chemistry - A European Journal</i> , 2020, 26, 6176-6184.	3.3	17
25	Nickel-assisted complete cleavage of CO by a silylene/siliconoid hybrid under formation of an Si-C enol ether bridge. <i>Chemical Communications</i> , 2020, 56, 10898-10901.	4.1	10
26	Persistent Digermenes with Acyl and Chlorosilyl Functionalities. <i>Chemistry - A European Journal</i> , 2019, 25, 12187-12195.	3.3	15
27	An anionic heterosiliconoid with two germanium vertices. <i>Chemical Communications</i> , 2019, 55, 10100-10103.	4.1	22
28	Synthesis, Structure, and Reactivity of Disiloxa[3]tetrelocenophanes. <i>ACS Omega</i> , 2019, 4, 18355-18360.	3.5	8
29	Erweiterung ungesättigter Siliciumcluster mit atomarer Genauigkeit. <i>Angewandte Chemie</i> , 2019, 131, 5178-5182.	2.0	10
30	Modulation of the nuclearity of molecular Mg(ⁱⁱ)-phosphates: solid-state structural change involving coordinating solvents. <i>Dalton Transactions</i> , 2019, 48, 8853-8860.	3.3	3
31	Equilibrium Coordination of NHCs to Si(IV) Species and Donor Exchange in Donor-Acceptor Stabilized Si(II) and Ge(II) Compounds. <i>Inorganic Chemistry</i> , 2019, 58, 4071-4075.	4.0	12
32	Site-selective functionalization of Si ₆ R ₆ siliconoids. <i>Chemical Science</i> , 2019, 10, 4523-4530.	7.4	34
33	Imidazolium Cyclopentadienide Salts and their Use as Cp-Transfer Reagents. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1941-1944.	2.0	5
34	Synthesis, Structure, and Bonding Analysis of Tin(II) Dihalide and Cyclopentadienyltin(II) Halide (Alkyl)(amino)carbene Complexes. <i>Organometallics</i> , 2019, 38, 1052-1061.	2.3	23
35	Boron and Phosphorus Containing Heterosiliconoids: Stable p- and n-Doped Unsaturated Silicon Clusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 19498-19504.	13.7	37
36	Atomically Precise Expansion of Unsaturated Silicon Clusters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5124-5128.	13.8	30

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37	A Three-Membered Cyclic Phosphasilene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1939-1944.	13.8	23
38	Mono- and Dicoordinate Germanium(0) as a Four-Electron Donor. <i>Chemistry - A European Journal</i> , 2018, 24, 2873-2878.	3.3	12
39	Disilyl Silylene Reactivity of a Cyclotrisilene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2445-2449.	13.8	24
40	Disilylsilylen-Reaktivität eines Cyclotrisilens. <i>Angewandte Chemie</i> , 2018, 130, 2470-2474.	2.0	6
41	Reactivity enhancement of a diphosphene by reversible N-heterocyclic carbene coordination. <i>Chemical Science</i> , 2018, 9, 4235-4243.	7.4	26
42	Isolation and Reactivity of a Digerma Analogue of Vinylolithiums: a Lithium Digermenide. <i>Organometallics</i> , 2018, 37, 632-635.	2.3	28
43	Carbene Complexes of Stannocenes. <i>Inorganic Chemistry</i> , 2018, 57, 8050-8053.	4.0	18
44	Synthesis of a \pm -Chlorosilyl Functionalized Donor-Stabilized Chlorogermylene. <i>Inorganics</i> , 2018, 6, 6.	2.7	3
45	Lewis base complexes of sila[2]aluminocenophanes. <i>Dalton Transactions</i> , 2018, 47, 10425-10428.	3.3	10
46	Reactivity of a Peraryl Cyclotrisilene (Si_3R_4) Toward Chalcogens. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 999-1005.	1.2	6
47	Synthesis, Characterization, Crystal Structures, and in vitro Antitumor Activity of Palladium and Platinum (II) Complexes with 2-Acetyl-4-Methylthiazole Thiosemicarbazone and 2-Acetylpyrazine Thiosemicarbazone. , 2016, , .		0
48	Isolierung und vielseitige Derivatisierung eines ungesättigten anionischen Siliciumclusters (Silicoid). <i>Angewandte Chemie</i> , 2016, 128, 2959-2963.	2.0	33
49	Isolation, Structure Elucidation, Biosynthesis, and Synthesis of Antalid, a Secondary Metabolite from <i>Polyangium</i> species. <i>Organic Letters</i> , 2016, 18, 2560-2563.	4.6	15
50	Isolation and Versatile Derivatization of an Unsaturated Anionic Silicon Cluster (Siliconoid). <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2907-2910.	13.8	56
51	Regiodiscriminating Reactivity of Isolable NHC-Coordinated Disilyl Germylene and Its Cyclic Isomer. <i>Journal of the American Chemical Society</i> , 2016, 138, 13996-14005.	13.7	17
52	Diverse Reactivity of an Electrophilic Phosphasilene towards Anionic Nucleophiles: Substitution or Metal-Amino Exchange. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10913-10917.	13.8	26
53	Vielseitige Reaktivität eines elektrophilen Phosphasilens gegenüber anionischen Nucleophilen: Substitution oder Metall-Amino-Austausch. <i>Angewandte Chemie</i> , 2016, 128, 11074-11078.	2.0	13
54	Monofluorination and Trifluoromethylation of BODIPY Dyes for Prolonged Single-Molecule Detection. <i>ChemPhysChem</i> , 2016, 17, 433-442.	2.1	11

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55	Dimerization of a marginally stable disilyl germylene to tricyclic systems: evidence for reversible NHC-coordination. <i>Chemical Communications</i> , 2016, 52, 2799-2802.	4.1	27
56	Sorazolons, Carbazole Alkaloids from <i>Sorangium cellulosum</i> Strain Soce375. <i>Journal of Natural Products</i> , 2016, 79, 369-375.	3.0	28
57	Reductive Cleavage of Carbon Monoxide by a Disilene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8746-8750.	13.8	68
58	A Molecular Complex with a Formally Neutral Iron Germanide Motif (Fe_2Ge_2). <i>Organometallics</i> , 2015, 34, 2130-2133.	2.3	28
59	New Molecular Aluminum Chloride Amides $[\text{Cl}_2\text{AlNEt}_2]_2$ and $[\text{HClAlNEt}_2]_2$ and their Boranate Analogues $[(\text{BH}_4)_2\text{AlNEt}_2]_2$ and $[(\text{BH}_4)_2\text{AlNEt}_2]_2$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 394-399.	1.2	5
60	Synthesis and biological evaluation of novel myrtucommulones and structural analogues that target mPGES-1 and 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 133-149.	5.5	25
61	Templating Influence of Molecular Precursors on $\text{Pr}(\text{OH})_3$ Nanostructures. <i>Inorganic Chemistry</i> , 2015, 54, 6267-6280.	4.0	14
62	Stereoisomeric Composition of Natural Myrtucommulone A. <i>Journal of Natural Products</i> , 2015, 78, 2381-2389.	3.0	21
63	Crystal structure of 4-methylsulfanyl-2-(2H-tetrazol-2-yl)pyrimidine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o1051-o1052.	0.5	1
64	From Disilene (Si_2Si) to Phosphasilene (Si_2P) and Phosphacumulene (P_2Si). <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2216-2220.	13.8	59
65	Disubstituted and Global Minimum Isomers of Heavier 1,4-Dimetallatetrasilabenzenes of Group...14. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3514-3518.	13.8	49
66	Donor-Acceptor Adducts of a 1,3-Disila-2-oxallyl Zwitterion. <i>Chemistry - A European Journal</i> , 2014, 20, 9221-9224.	3.3	32
67	$[\text{Al}_2(\text{OH})_8]_2$ -Building Blocks Incorporated in Macromolecular Alumopolysiloxane Rings of the Type $[\text{O-SiPh}_2\text{-O-SiPh}_2\text{-O-Al}]_n$. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 863-867.	1.2	8
68	Equilibrium between a cyclotrisilene and an isolable base adduct of a disilyl silylene. <i>Nature Chemistry</i> , 2013, 5, 876-879.	13.6	111
69	MitN-Methylpiperidin stabilisierte Halogenalane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 312-318.	1.2	8
70	Potential Protecting Group Strategy for Disila Analogues of Vinylolithiums: Synthesis and Reactivity of a 2,4,6-Trimethoxyphenyl-Substituted Disilene. <i>Organometallics</i> , 2013, 32, 6844-6850.	2.3	38
71	Functionalized Cyclic Disilenes via Ring Expansion of Cyclotrisilenes with Isocyanides. <i>Organometallics</i> , 2013, 32, 1591-1594.	2.3	41
72	Carbonylation of Cyclotrisilenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13247-13250.	13.8	46

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73	A carbanion induced ring switching synthesis of spiranes: an unprecedented approach. RSC Advances, 2012, 2, 9091.	3.6	10
74	Neue molekulare Indium-Zinn-Sauerstoff- und Indium-Zinn-Natrium-Sauerstoff-Chlor-Cluster. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1482-1485.	1.2	4
75	New Yttrium and Europium(+3) Alkoxides Bearing Thiophene Units: Syntheses, Crystal Structure Determinations and Physico-Chemical Properties. European Journal of Inorganic Chemistry, 2012, 2012, 1218-1228.	2.0	6
76	Structural Aspects of Chlorine-Aluminium Alkoxides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 923-929.	1.2	6
77	Reaktionen des Alumopolysiloxans (Ph ₂ SiO) ₈ [AlO(OH)] ₄ mit 4,4'-Bipyridin und Azobipyridinen. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 1922-1930.	1.2	4
78	Homo- and Heterometallic Terbium Alkoxides - Synthesis, Characterization and Conversion to Luminescent Oxide Nanostructures. European Journal of Inorganic Chemistry, 2011, 2011, 2148-2157.	2.0	15
79	Synthesis, Crystal Structure and Physico-Chemical Studies of Neodymium and Erbium Methoxides Containing Thienyl Substituents. European Journal of Inorganic Chemistry, 2010, 2010, 879-889.	2.0	13
80	Formation of Three New Base Adducts in the Reaction of the Aluminopolysiloxane [Ph ₂ SiO] ₈ [AlO(OH)] ₄ ·4Et ₂ O with Propane-1,3-diamine. Organometallics, 2010, 29, 5269-5273.	2.3	2
81	Hydroxometalates from Anion Exchange Reactions of [BF ₄] ⁻ based Ionic [Zr(OH) ₅] ⁺ . Chemistry of Materials, 2010, 22, 6518-6523.	6.7	14
82	Influence of the Solvent on the Formation of New Tin(II) Methoxides Containing Thienyl Substituents: Crystal Structure and NMR Investigations. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 942-948.	1.2	5
83	Structural and Spectroscopic Properties of Aryl Substituted Aminoboranes as Model Compounds and Synthons for B/C/N Materials and New Fluorescent Systems. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 2112-2119.	1.2	10
84	Luminescent Study on Nd ³⁺ Complexes Containing Carboxylate-Dithiolene and Alkoxide-Dithiolene Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2551-2556.	1.2	1
85	Synthesis and Crystal Structure Investigations of Trivalent Rare Earth (Y ³⁺ , Nd ³⁺ , Er ³⁺) Thienyl-Substituted Methoxides. European Journal of Inorganic Chemistry, 2008, 2008, 2397-2406.	2.0	9
86	Modification of the Hydrogen Bonds Network in a Hydroxyl Functionalized Dithiolene Ligand by HgX ₂ Complexation. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1959-1963.	1.2	6
87	Reactivity of the Unusually Structured Silicon Cluster Compound Si ₈ (SiBu ₃) ₆ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2425-2430.	1.2	9
88	Molecular Routes to Advanced Materials: Synthesis of NdAlO ₃ Ceramic and NdAlO ₃ /Al ₂ O ₃ Composite From Single Source Precursors. , 2006, , 282-288.		0
89	Si ₈ (SiBu ₃) ₆ : A Hitherto Unknown Cluster Structure in Silicon Chemistry. Angewandte Chemie - International Edition, 2005, 44, 7884-7887.	13.8	86
90	Synthesis, solid-state molecular structure and solution dynamics of new alkoxy stannylene-transition metal complexes. New Journal of Chemistry, 2005, 29, 154.	2.8	16

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91	Coordination chemistry of furfurylsilylamides. Dalton Transactions RSC, 2002, , 4709-4713.	2.3	10
92	Single-Source Sol-Gel Synthesis of Nanocrystalline ZnAl ₂ O ₄ : Structural and Optical Properties. Journal of the American Ceramic Society, 2001, 84, 1921-1928.	3.8	178
93	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 17, 145-158.	2.4	178
94	Synthesis of a NdAlO ₃ /Al ₂ O ₃ Ceramic Ceramic Composite by Single-Source Precursor CVD. Chemistry of Materials, 2000, 12, 271-274.	6.7	42
95	Synthesis and Single-Crystal X-ray Diffraction Studies on New Methylindium(III) Alkoxides. European Journal of Inorganic Chemistry, 1999, 1999, 1343-1350.	2.0	41
96	Unusual Sandwiching of the Cyclopentadienyl Anion in [K ₄ (C ₅ H ₅) ₂ M ₂ (OBut) ₆ (CH ₃ OCH ₂ CH ₂ OCH ₃) ₂] _n (M = Ge, Sn). Inorganic Chemistry, 1999, 38, 5461-5463.	4.0	4
97	Ring Opening of Thiophene: Synthesis and Crystal Structure of Bis(diethyl) Ether 1640-1644.	1.6	6
98	Synthesis, Structure, and Reactivity of Iodo-Functionalized Heterobimetallic Alkoxides of Tin(IV): X-ray Crystal Structures of [I ₂ Sn{Al(OPri) ₄ } ₂], [I ₂ Sn{Ti(OPri) ₅ } ₂], [I ₃ Sn{Zr(OPri) ₅ (PriOH)}], and [I ₂ Sn{Mo(C ₅ H ₅)(CO) ₃ } ₂]. Organometallics, 1998, 17, 1044-1051.	2.3	16
99	Selective Blocking of Coordination Modes in 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol: Enforced Formation of a Low-Spin Iron(III) Hexamine Complex. Inorganic Chemistry, 1997, 36, 4121-4127.	4.0	9
100	Silicon-carbon hybrid [2]ladderanes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	0
101	Siliconoid Expansion by a Single Germanium Atom through Isolated Intermediates. Angewandte Chemie, 0, , .	2.0	0