Rolf Gleiter

List of Publications by Year
in descending order

48 papers	2,315 citations	304743 22 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	1500 citing authors

#	Article	IF	Citations
1	Theoretical Investigations on Chalcogenâ^'Chalcogen Interactions:Â What Makes These Nonbonded Interactions Bonding?. Journal of the American Chemical Society, 2006, 128, 2666-2674.	13.7	388
2	From Noncovalent Chalcogenâ€“Chalcogen Interactions to Supramolecular Aggregates: Experiments and Calculations. Chemical Reviews, 2018, 118, 2010-2041.	47.7	244
3	Nanotube Formation Favored by Chalcogenâ^'Chalcogen Interactions. Journal of the American Chemical Society, 2002, 124, 10638-10639.	13.7	216
4	Theoretical Investigations on Heteronuclear Chalcogenâ^'Chalcogen Interactions:Â On the Nature of Weak Bonds between Chalcogen Centers. Inorganic Chemistry, 2007, 46, 2249-2260.	4.0	189
5	A World Beyond Hydrogen Bonds?â€"Chalcogenâ€“Chalcogen Interactions Yielding Tubular Structures. Chemistry - A European Journal, 2003, 9, 2676-2683.	3.3	165
6	Alkynes Between Main Group Elements: From Dumbbells via Rods to Squares and Tubes. Chemical Reviews, 2010, 110, 4447-4488.	47.7	79
7	Self-Organization of Chalcogen-Containing Cyclic Alkynes and Alkenes To Yield Columnar Structures. Organic Letters, 2002, 4, 339-342.	4.6	71
8	Darstellung, Struktur und Eigenschaften von 1,6â€Cyclodecadiin. Vergleich mit 1,5â€Cyclooctadiin und 1,7â€Cyclododecadiin. Chemische Berichte, 1988, 121, 735-740.	0.2	60
9	Tellurium-Capped Carbon Rods:Â Syntheses and Electronic and Structural Properties. Organometallics, 2003, 22, 843-849.	2.3	59
10	Cyclic Tetraselenadiynes:Â Rigid Cycles with Long-Range van der Waals Forces between Chalcogen Centers. Journal of Organic Chemistry, 2002, 67, 4290-4297.	3.2	55
11	Cyclic Tetra- and Hexaynes Containing 1,4-Donor-Substituted Butadiyne Units:Â Synthesis and Supramolecular Organization. Journal of Organic Chemistry, 2004, 69, 2945-2952.	3.2	54
12	The Nature of Strong Chalcogen Bonds Involving Chalcogenâ€Containing Heterocycles. Angewandte Chemie - International Edition, 2020, 59, 21236-21243.	13.8	50
13	Polyalkynes Capped by Sulfur and Selenium. Journal of Organic Chemistry, 2003, 68, 9400-9405.	3.2	44
14	Syntheses and solid state structures of cyclic diynes with two chalcogen centres ? a competition between weak interactions. Organic and Biomolecular Chemistry, 2003, 1, 2788.	2.8	40
15	Macrocyclic Cyclophanes with Two and Three Î±,Ï‰-Dichalcogena-1,4-diethynylaryl Units: Syntheses and Structural Properties. Journal of Organic Chemistry, 2008, 73, 8021-8029.	3.2	39
16	Self-organization of cyclic selenaethers to yield columnar structures. Tetrahedron Letters, 2002, 43, 5767-5769.	1.4	35
17	Syntheses and Structural Properties of Cyclic Tetrathiadiynes. European Journal of Organic Chemistry, 2000, 2000, 2479-2488.	2.4	30
18	Synthese heterocyclischer Dialkine und deren Umsetzung mit CpCo(CO)₂. Chemische Berichte, 1991, 124, 357-363.	0.2	29

#	Article	IF	Citations
19	Transannular Ring Closure of 10-Membered Cyclic Diynes:â€‰ Model Calculations. Journal of the American Chemical Society, 1999, 121, 4664-4668.	13.7	29
20	Elastic Cycles as Flexible Hosts: How Tubes Built by Cyclic Chalcogenaalkynes Individually Host Their Guests. Chemistry Letters, 2005, 34, 126-131.	1.3	29
21	Supramolecular Organization Based on van der Waals Forces: Syntheses and Solid State Structures of Isomeric [6.6]Cyclophanes with 2,5-Diselenahex-3-yne Bridges. European Journal of Organic Chemistry, 2009, 2009, 2267-2274.	2.4	28
22	The Carbonylâ‹…â‹…â‹…Tellurazole Chalcogen Bond as a Molecular Recognition Unit: From Model Studies to Supramolecular Organic Frameworks. Angewandte Chemie - International Edition, 2020, 59, 17154-17161.	13.8	28
23	1,4-Didehydrobutadiene: The Intermediate in a New Class of Thermally Induced Intramolecular Alkyne Couplings. Angewandte Chemie International Edition in English, 1995, 33, 2470-2472.	4.4	22
24	Transannular additions to 1,6-cyclodecadlyne. Tetrahedron Letters, 1997, 38, 1541-1542.	1.4	21
25	Thiabowls:â€‰ Synthesis, Molecular Structure, and Novel Supramolecular Architecture of Trithia-[3]-Peristylane. Organic Letters, 2004, 6, 1617-1620.	4.6	21
26	Electron-rich two-, three- and four-center bonds between chalcogens â€“ New prospects for old molecules. Coordination Chemistry Reviews, 2017, 344, 263-298.	18.8	21
27	Tenâ€Membered Heterocyclic Diynes Xâ€ray Structure Analysis and PEâ€Spectroscopic Investigations. Chemische Berichte, 1991, 124, 365-369.	0.2	20
28	Preparation and Structures of Cyclic Tetrathiadienes and Tetrathiaenynes. European Journal of Organic Chemistry, 2002, 2002, 2815.	2.4	20
29	A convenient synthesis of ethano-bridged cyclic diynes â€” Preparation of 1,1,2,2-tetramethyl-1,2-disilacycloocta-3,7-diyne. Tetrahedron Letters, 1997, 38, 8679-8682.	1.4	18
30	Long Chalcogenâ€“Chalcogen Bonds in Electron-Rich Two and Four Center Bonds: Combination of Ï€- and Ïƒ-Aromaticity to a Three-Dimensional Ïƒ/Ï€-Aromaticity. Journal of Organic Chemistry, 2014, 79, 7543-7552.	3.2	18
31	Intramolecular Nonbonded Interactions Between Divalent Selenium Centers with Donor and Acceptor Substituents. European Journal of Organic Chemistry, 2009, 2009, 2765-2774.	2.4	17
32	Bicyclo[4.4.0]decaâ€1,6â€dieneâ€2,7â€diyl: A 1,4â€Didehydrobutadiene Derivative. Liebigs Annalen, 1997, 1997, 1329-1331.	0.8	16
33	Syntheses and structural properties of bis(hexacarbonyldicobalt) complexes from cyclic diynes. Dalton Transactions RSC, 2002, , 2219-2226.	2.3	16
34	1,4â€Didehydrobutadien: das Zwischenprodukt einer neuen Klasse thermisch induzierter intramolekularer Alkinkupplungen. Angewandte Chemie, 1994, 106, 2550-2552.	2.0	15
35	Thiabowls: synthesis, molecular structure and the solid state architecture of tetrathia-[4]-peristylane. Tetrahedron Letters, 2003, 44, 9313-9316.	1.4	15
36	A New Look on Larger Sulfur and Selenium Rings â€“ Dispersion Forces and Shapes of Larger Cycles. European Journal of Inorganic Chemistry, 2019, 2019, 3846-3853.	2.0	15

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37	Dimenzation of 1,6-Ditiniacycioaeca-3,8-diyne in the Presence of Cobalt Complexes. A Simple Synthesis of a[2.2](2,5)Thiophenophane Derivative. Angewandte Chemie International Edition in English, 1987, 26, 763-764.	4.4	13
38	Dimerisierung von 1,6â€Dithiacyclodecaâ€3,8â€diin in Gegenwart von Cobaltkomplexen; einfache Synthese eines [2.2](2,5)Thiophenophanâ€Derivats. Angewandte Chemie, 1987, 99, 805-806.	2.0	13
39	A short survey of bicyclic diaminesâ€Šâ€“â€Šsyntheses and properties of N,Nâ€²-bridged-1,10-diazabicyclooctadeca-5,14-diynes. Perkin Transactions II RSC, 2000, , 175-183.	1.1	11
40	Cyclic Diynes with Dimethylsilyl and Dimethylgermyl Groups in the Bridges. Syntheses and Properties. Organometallics, 1999, 18, 3615-3622.	2.3	10
41	Interaction of cyclic thiadiynes with CpCo(COD)â€”selectivity and reactivity. Journal of Organometallic Chemistry, 2002, 641, 3-8.	1.8	10
42	Preparation and Structures of Cyclotetradeca-4,11-diynone, Cyclotetradeca-4,11-diyne-1,8-dione, Their Exomethylene Derivatives, and 1,8-Dioxacyclotetradeca-4,11-diyne. Liebigs Annalen, 1997, 1997, 1545-1550.	0.8	9
43	Cyclic Diynes with Silicon in the Bridges: Structural and Photoelectron Spectroscopic Investigations. Chemische Berichte, 1997, 130, 1807-1811.	0.2	8
44	Die Carbonylâ‹…â‹…â‹…Tellurazolâ€Chalkogenbindung als molekulare Erkennungseinheit: Von Modellstudien zu supramolekularen organischen GerÃ¼stverbindungen. Angewandte Chemie, 2020, 132, 17303-17311.	2.0	8
45	An alkynyltelluronium iodide and its solid state structure: evidence for pâ†'Ïƒ* interactions. Journal of Organometallic Chemistry, 2004, 689, 627-630.	1.8	7
46	Bifurcated Chalcogen Bonds Based on One Ïƒ-Hole. Organic Materials, 2022, 4, 43-52.	2.0	5
47	Die Natur starker Chalkogenbindungen unter Beteiligung chalkogenhaltiger Heterocyclen. Angewandte Chemie, 2020, 132, 21423-21430.	2.0	3
48	Synthesis and Properties of Monophosphaâ€and Diphosphacyclodiynes. European Journal of Organic Chemistry, 2018, 2018, 2795-2805.	2.4	2