

# Rolf Gleiter

## List of Publications by Year in descending order

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48  
papers

2,315  
citations

304743

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docs citations

48  
times ranked

1500  
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#	ARTICLE	IF	CITATIONS
1	Bifurcated Chalcogen Bonds Based on One $\sigma$ -Hole. <i>Organic Materials</i> , 2022, 4, 43-52.	2.0	5
2	The Nature of Strong Chalcogen Bonds Involving Chalcogen-Containing Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21236-21243.	13.8	50
3	Die Natur starker Chalkogenbindungen unter Beteiligung chalkogenhaltiger Heterocyclen. <i>Angewandte Chemie</i> , 2020, 132, 21423-21430.	2.0	3
4	Die Carbonyl-Tellurazol-Chalkogenbindung als molekulare Erkennungseinheit: Von Modellstudien zu supramolekularen organischen Gerüstverbindungen. <i>Angewandte Chemie</i> , 2020, 132, 17303-17311.	2.0	8
5	The Carbonyl-Tellurazole Chalcogen Bond as a Molecular Recognition Unit: From Model Studies to Supramolecular Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17154-17161.	13.8	28
6	A New Look on Larger Sulfur and Selenium Rings – Dispersion Forces and Shapes of Larger Cycles. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3846-3853.	2.0	15
7	Synthesis and Properties of Monophospho- and Diphosphacycloclynes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2795-2805.	2.4	2
8	From Noncovalent Chalcogen-Chalcogen Interactions to Supramolecular Aggregates: Experiments and Calculations. <i>Chemical Reviews</i> , 2018, 118, 2010-2041.	47.7	244
9	Electron-rich two-, three- and four-center bonds between chalcogens – New prospects for old molecules. <i>Coordination Chemistry Reviews</i> , 2017, 344, 263-298.	18.8	21
10	Long Chalcogen-Chalcogen Bonds in Electron-Rich Two and Four Center Bonds: Combination of $\sigma$ - and $\pi$ -Aromaticity to a Three-Dimensional $\pi$ -Aromaticity. <i>Journal of Organic Chemistry</i> , 2014, 79, 7543-7552.	3.2	18
11	Alkynes Between Main Group Elements: From Dumbbells via Rods to Squares and Tubes. <i>Chemical Reviews</i> , 2010, 110, 4447-4488.	47.7	79
12	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. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2267-2274.	2.4	28
13	Intramolecular Nonbonded Interactions Between Divalent Selenium Centers with Donor and Acceptor Substituents. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2765-2774.	2.4	17
14	Macrocyclic Cyclophanes with Two and Three $\sigma$ -Dichalcogeno-1,4-diethynylaryl Units: Syntheses and Structural Properties. <i>Journal of Organic Chemistry</i> , 2008, 73, 8021-8029.	3.2	39
15	Theoretical Investigations on Heteronuclear Chalcogen-Chalcogen Interactions: On the Nature of Weak Bonds between Chalcogen Centers. <i>Inorganic Chemistry</i> , 2007, 46, 2249-2260.	4.0	189
16	Theoretical Investigations on Chalcogen-Chalcogen Interactions: What Makes These Nonbonded Interactions Bonding?. <i>Journal of the American Chemical Society</i> , 2006, 128, 2666-2674.	13.7	388
17	Elastic Cycles as Flexible Hosts: How Tubes Built by Cyclic Chalcogenoalkynes Individually Host Their Guests. <i>Chemistry Letters</i> , 2005, 34, 126-131.	1.3	29
18	An alkynyltelluronium iodide and its solid state structure: evidence for $\pi$ - $\sigma$ interactions. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 627-630.	1.8	7

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19	Cyclic Tetra- and Hexaynes Containing 1,4-Donor-Substituted Butadiyne Units: Synthesis and Supramolecular Organization. <i>Journal of Organic Chemistry</i> , 2004, 69, 2945-2952.	3.2	54
20	Thiabowls: Synthesis, Molecular Structure, and Novel Supramolecular Architecture of Trithia-[3]-Peristylane. <i>Organic Letters</i> , 2004, 6, 1617-1620.	4.6	21
21	A World Beyond Hydrogen Bonds? Chalcogen-Chalcogen Interactions Yielding Tubular Structures. <i>Chemistry - A European Journal</i> , 2003, 9, 2676-2683.	3.3	165
22	Thiabowls: synthesis, molecular structure and the solid state architecture of tetrathia-[4]-peristylane. <i>Tetrahedron Letters</i> , 2003, 44, 9313-9316.	1.4	15
23	Polyalkynes Capped by Sulfur and Selenium. <i>Journal of Organic Chemistry</i> , 2003, 68, 9400-9405.	3.2	44
24	Tellurium-Capped Carbon Rods: Syntheses and Electronic and Structural Properties. <i>Organometallics</i> , 2003, 22, 843-849.	2.3	59
25	Syntheses and solid state structures of cyclic diynes with two chalcogen centres? a competition between weak interactions. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2788.	2.8	40
26	Cyclic Tetraselenadiynes: Rigid Cycles with Long-Range van der Waals Forces between Chalcogen Centers. <i>Journal of Organic Chemistry</i> , 2002, 67, 4290-4297.	3.2	55
27	Nanotube Formation Favored by Chalcogen-Chalcogen Interactions. <i>Journal of the American Chemical Society</i> , 2002, 124, 10638-10639.	13.7	216
28	Self-Organization of Chalcogen-Containing Cyclic Alkynes and Alkenes To Yield Columnar Structures. <i>Organic Letters</i> , 2002, 4, 339-342.	4.6	71
29	Syntheses and structural properties of bis(hexacarbonyldicobalt) complexes from cyclic diynes. <i>Dalton Transactions RSC</i> , 2002, , 2219-2226.	2.3	16
30	Preparation and Structures of Cyclic Tetrathiadienes and Tetrathiaenyne. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2815.	2.4	20
31	Interaction of cyclic thiadiynes with CpCo(COD) selectivity and reactivity. <i>Journal of Organometallic Chemistry</i> , 2002, 641, 3-8.	1.8	10
32	Self-organization of cyclic selenoethers to yield columnar structures. <i>Tetrahedron Letters</i> , 2002, 43, 5767-5769.	1.4	35
33	Syntheses and Structural Properties of Cyclic Tetrathiadiynes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2479-2488.	2.4	30
34	A short survey of bicyclic diamines syntheses and properties of N,N'-bridged-1,10-diazabicyclooctadeca-5,14-diynes. <i>Perkin Transactions II RSC</i> , 2000, , 175-183.	1.1	11
35	Cyclic Diynes with Dimethylsilyl and Dimethylgermyl Groups in the Bridges. Syntheses and Properties. <i>Organometallics</i> , 1999, 18, 3615-3622.	2.3	10
36	Transannular Ring Closure of 10-Membered Cyclic Diynes: Model Calculations. <i>Journal of the American Chemical Society</i> , 1999, 121, 4664-4668.	13.7	29

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37	Transannular additions to 1,6-cyclodecadiyne. <i>Tetrahedron Letters</i> , 1997, 38, 1541-1542.	1.4	21
38	A convenient synthesis of ethano-bridged cyclic diynes – Preparation of 1,1,2,2-tetramethyl-1,2-disilacycloocta-3,7-diyne. <i>Tetrahedron Letters</i> , 1997, 38, 8679-8682.	1.4	18
39	Bicyclo[4.4.0]deca-1,6-diene-2,7-diyne: A 1,4-Didehydrobutadiene Derivative. <i>Liebigs Annalen</i> , 1997, 1997, 1329-1331.	0.8	16
40	Preparation and Structures of Cyclotetradeca-4,11-diyne, Cyclotetradeca-4,11-diyne-1,8-dione, Their Exomethylene Derivatives, and 1,8-Dioxacyclotetradeca-4,11-diyne. <i>Liebigs Annalen</i> , 1997, 1997, 1545-1550.	0.8	9
41	Cyclic Diynes with Silicon in the Bridges: Structural and Photoelectron Spectroscopic Investigations. <i>Chemische Berichte</i> , 1997, 130, 1807-1811.	0.2	8
42	1,4-Didehydrobutadiene: The Intermediate in a New Class of Thermally Induced Intramolecular Alkyne Couplings. <i>Angewandte Chemie International Edition in English</i> , 1995, 33, 2470-2472.	4.4	22
43	1,4-Didehydrobutadien: das Zwischenprodukt einer neuen Klasse thermisch induzierter intramolekularer Alkinkupplungen. <i>Angewandte Chemie</i> , 1994, 106, 2550-2552.	2.0	15
44	Synthese heterocyclischer Dialkine und deren Umsetzung mit $\text{CpCo}(\text{CO})_2$ . <i>Chemische Berichte</i> , 1991, 124, 357-363.	0.2	29
45	Ten-Membered Heterocyclic Diynes X-ray Structure Analysis and PES Spectroscopic Investigations. <i>Chemische Berichte</i> , 1991, 124, 365-369.	0.2	20
46	Darstellung, Struktur und Eigenschaften von 1,6-Cyclodecadiin. Vergleich mit 1,5-Cyclooctadiin und 1,7-Cyclododecadiin. <i>Chemische Berichte</i> , 1988, 121, 735-740.	0.2	60
47	Dimenzation of 1,6-Dithiacyclodeca-3,8-diyne in the Presence of Cobalt Complexes. A Simple Synthesis of a [2.2](2,5)Thiophenophane Derivative. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 763-764.	4.4	13
48	Dimerisierung von 1,6-Dithiacyclodeca-3,8-diyne in Gegenwart von Cobaltkomplexen; einfache Synthese eines [2.2](2,5)Thiophenophan-Derivats. <i>Angewandte Chemie</i> , 1987, 99, 805-806.	2.0	13