

Wolfram Sander

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176
papers

4,944
citations

37
h-index

62
g-index

197
ext. papers

5,377
ext. citations

7.9
avg, IF

5.7
L-index

#	Paper	IF	Citations
176	Molecular Magnets: The Synthesis and Characterization of High-Spin Nitrenes. <i>Chemistry - A European Journal</i> , 2021 , 27, 1258-1269	4.8	4
175	Lewis acid catalyzed heavy atom tunneling - the case of 1-bicyclo[3.1.0]-hexa-3,5-dien-2-one. <i>Chemical Science</i> , 2021 , 12, 11013-11019	9.4	2
174	Controlling Reactivity-Real-Space Imaging of a Surface Metal Carbene. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4653-4660	16.4	2
173	Micro- vs Macrosolvation in Reichardt's Dyes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13156-13162	16.4	6
172	Isomer-Selective Threshold Photoelectron Spectra of Phenylnitrene and Its Thermal Rearrangement Products. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3836-3843	2.8	1
171	The Mystery of the Benzene-Oxide/Oxepin Equilibrium-Heavy-Atom Tunneling Reversed by Solvent Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20318-20322	16.4	6
170	Heavy-Atom Tunneling in Semibullvalenes: How Driving Force, Substituents, and Environment Influence the Tunneling Rates. <i>Chemistry - A European Journal</i> , 2020 , 26, 10366	4.8	1
169	The Mystery of the Benzene-Oxide/Oxepin Equilibrium-Heavy-Atom Tunneling Reversed by Solvent Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 20498-20502	3.6	0
168	Heavy-Atom Tunneling in Semibullvalenes: How Driving Force, Substituents, and Environment Influence the Tunneling Rates. <i>Chemistry - A European Journal</i> , 2020 , 26, 10452-10458	4.8	10
167	EPR spectroscopy of multicomponent, multispin molecular system obtained by the photolysis of 2,4,6-triazido-3-cyano-5-fluoropyridine in solid argon. <i>Magnetic Resonance in Chemistry</i> , 2019 , 57, 472-478	2.1	2
166	Solvent-Enhanced Conformational Flexibility of Cyclic Tetrapeptides. <i>ChemPhysChem</i> , 2019 , 20, 1664-1670	3.0	2
165	Photochemical generation of high-spin nitrenes from 4,6-diazido-N-(4,6-diazido-1,3,5-triazin-2-yl)-1,3,5-triazin-2-amine in solid argon. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 377, 207-213	4.7	2
164	Conformational Spin Switching and Spin-Selective Hydrogenation of a Magnetically Bistable Carbene. <i>Angewandte Chemie</i> , 2019 , 131, 14997-15001	3.6	4
163	Conformational Spin Switching and Spin-Selective Hydrogenation of a Magnetically Bistable Carbene. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14855-14859	16.4	3
162	Solvent-Enhanced Conformational Flexibility of Cyclic Tetrapeptides. <i>ChemPhysChem</i> , 2019 , 20, 1663-1669	3.0	2
161	How Protic Solvents Determine the Reaction Mechanisms of Diphenylcarbene in Solution. <i>Journal of Organic Chemistry</i> , 2019 , 84, 11450-11457	4.2	4
160	Persistent Organic High-Spin Trinitrenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12994-12998	16.4	5

159	Persistent Organic High-Spin Trinitrenes. <i>Angewandte Chemie</i> , 2019 , 131, 13128-13132	3.6	1
158	Innentitelbild: Persistent Organic High-Spin Trinitrenes (Angew. Chem. 37/2019). <i>Angewandte Chemie</i> , 2019 , 131, 12850-12850	3.6	
157	R&Ktitelbild: Conformational Spin Switching and Spin-Selective Hydrogenation of a Magnetically Bistable Carbene (Angew. Chem. 42/2019). <i>Angewandte Chemie</i> , 2019 , 131, 15304-15304	3.6	
156	Conformer-Specific Heavy-Atom Tunneling in the Rearrangement of Benzazirines to Ketenimines. <i>Journal of Organic Chemistry</i> , 2019 , 84, 16013-16018	4.2	9
155	Reactions of Cyclopentadienylidenes with CFI: Electron Bond Donation versus Halogen Bond Donation of the Iodine Atom. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7586-7592	4.2	8
154	Light-controlled switching of the spin state of iron(III). <i>Nature Communications</i> , 2018 , 9, 4750	17.4	36
153	Switching the Spin State of Pentafluorophenylnitrene: Isolation of a Singlet Arylnitrene Complex. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17271-17277	16.4	5
152	Imaging the Solvation of a One-Dimensional Solid on the Molecular Scale. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16334-16338	16.4	7
151	Activation of Molecular Hydrogen by Arylcarbenes. <i>Chemistry - A European Journal</i> , 2018 , 24, 18801-18808	4.8	12
150	Imaging the Solvation of a One-Dimensional Solid on the Molecular Scale. <i>Angewandte Chemie</i> , 2018 , 130, 16572-16576	3.6	2
149	Reactions of Arylcarbenes with Lewis Acids. <i>Chemistry - A European Journal</i> , 2018 , 24, 18043-18051	4.8	1
148	Activation of the B-F Bond by Diphenylcarbene: A Reversible 1,2-Fluorine Migration between Boron and Carbon. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1760-1764	16.4	9
147	CN radical hydrogenation from solid H ₂ reactions, an alternative way of HCN formation in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2017 , 598, A22	5.1	8
146	Activation of the B-B Bond by Diphenylcarbene: A Reversible 1,2-Fluorine Migration between Boron and Carbon. <i>Angewandte Chemie</i> , 2017 , 129, 1786-1790	3.6	2
145	The Cope Rearrangement of 1,5-Dimethylsemibullvalene-2(4)-d : Experimental Evidence for Heavy-Atom Tunneling. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10746-10749	16.4	33
144	The phenylselenyl radical and its reaction with molecular oxygen. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27384-27388	3.6	4
143	Isolation of an Antiaromatic Singlet Cyclopentadienyl Zwitterion. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13024-13030	16.4	11
142	The Cope Rearrangement of 1,5-Dimethylsemibullvalene-2(4)-d ₁ : Experimental Evidence for Heavy-Atom Tunneling. <i>Angewandte Chemie</i> , 2017 , 129, 10886-10889	3.6	8

141	Is Magnetic Bistability of Carbenes a General Phenomenon? Isolation of Simple Aryl(trifluoromethyl)carbenes in Both Their Singlet and Triplet States. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12310-12316	16.4	14
140	Photoinduced Reversible Electron Transfer Between the Benzhydryl Radical and Benzhydryl Cation in Amorphous Water-Ice. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 6405-6412	2.8	2
139	Dinitreno pentaradicals: organic sextet molecules. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e36212.1	12.1	6
138	Solution and solid state conformational preferences of a family of cyclic disulphide bridged tetrapeptides. <i>Biopolymers</i> , 2017 , 107, 28-34	2.2	8
137	Competitive solvent-molecule interactions govern primary processes of diphenylcarbene in solvent mixtures. <i>Nature Communications</i> , 2016 , 7, 12968	17.4	28
136	Azulenylcarbenes: Rearrangements on the C11 H8 Potential Energy Surface. <i>Chemistry - A European Journal</i> , 2016 , 22, 12479-86	4.8	8
135	Light and Temperature Control of the Spin State of Bis(p-methoxyphenyl)carbene: A Magnetically Bistable Carbene. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1622-9	16.4	21
134	Switching the Spin State of Diphenylcarbene via Halogen Bonding. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1689-97	16.4	46
133	Singlet Halophenylcarbenes as Strong Hydrogen-Bond Acceptors. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 3524-32	2.8	10
132	Physical Organic Chemistry [A Personal Perspective]. <i>Israel Journal of Chemistry</i> , 2016 , 56, 62-65	3.4	1
131	Activation of Molecular Hydrogen by a Singlet Carbene through Quantum Mechanical Tunneling. <i>Angewandte Chemie</i> , 2015 , 127, 4686-4690	3.6	14
130	Reversible Carbene Formation in the Ionic Liquid 1-Ethyl-3-Methylimidazolium Acetate by Vaporization and Condensation. <i>ChemPhysChem</i> , 2015 , 16, 3603-6	3.2	11
129	Titelbild: The Fluorenyl Cation (Angew. Chem. 9/2015). <i>Angewandte Chemie</i> , 2015 , 127, 2593-2593	3.6	1
128	Reaction of Triplet Phenylnitrene with Molecular Oxygen. <i>Journal of Organic Chemistry</i> , 2015 , 80, 11926-31	4.1	29
127	The Fluorenyl Cation. <i>Angewandte Chemie</i> , 2015 , 127, 2694-2698	3.6	11
126	1-Phenyl-1,2,4,6-cycloheptatetraene: the missing intermediate of the diphenylcarbene to fluorene rearrangement. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 71-74	2.1	4
125	Activation of molecular hydrogen by a singlet carbene through quantum mechanical tunneling. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4603-7	16.4	28
124	The fluorenyl cation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2656-60	16.4	29

123	Solvent-induced conformational changes in cyclic peptides: a vibrational circular dichroism study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5627-33	3.6	45
122	Heavy-atom tunneling in the ring opening of a strained cyclopropene at very low temperatures. <i>Chemistry - A European Journal</i> , 2014 , 20, 4713-20	4.8	44
121	Carbonyl oxides--rising stars in tropospheric chemistry. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 362-4	16.4	17
120	Hydrogen bonding switches the spin state of diphenylcarbene from triplet to singlet. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5122-5	16.4	49
119	Physical chemistry. Clarifying the structure of carbonic acid. <i>Science</i> , 2014 , 346, 544-5	33.3	13
118	Photo-stability of peptide-bond aggregates: N-methylformamide dimers. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 18877-87	3.6	17
117	The highly reactive benzhydryl cation isolated and stabilized in water ice. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15625-30	16.4	29
116	Matrix isolation, zero-field splitting parameters, and photoreactions of septet 2,4,6-trinitrenopyrimidines. <i>Journal of Organic Chemistry</i> , 2014 , 79, 6047-53	4.2	13
115	Carbonyl oxide "shooting stars" in der Troposph�renchemie. <i>Angewandte Chemie</i> , 2014 , 126, 370-372	3.6	4
114	Hydrogen Bonding Switches the Spin State of Diphenylcarbene from Triplet to Singlet. <i>Angewandte Chemie</i> , 2014 , 126, 5222-5225	3.6	14
113	Pyridyl- and Pyridylperoxy Radicals [A Matrix Isolation Study. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1324	1.2	11
112	Deuterium and hydrogen tunneling in the hydrogenation of 4-oxocyclohexa-2,5-dienylidene. <i>Chemistry - A European Journal</i> , 2014 , 20, 7585-8	4.8	13
111	The benzylperoxyl radical as a source of hydroxyl and phenyl radicals. <i>Chemistry - A European Journal</i> , 2014 , 20, 12917-23	4.8	8
110	Triradicals. <i>Accounts of Chemical Research</i> , 2014 , 47, 31-44	24.3	18
109	Carbonylation reactions of intramolecular vicinal frustrated phosphane/borane Lewis pairs. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18567-74	16.4	83
108	Conformation and dynamics of a cyclic disulfide-bridged peptide: effects of temperature and solvent. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 3560-70	3.4	14
107	Interactions of aromatic radicals with water. <i>ChemPhysChem</i> , 2013 , 14, 805-11	3.2	18
106	Nitreno Radicals 2013 , 317-346		6

105	Mechanisms of the thermal decay of chlorpropham. <i>Journal of Hazardous Materials</i> , 2013 , 246-247, 154-62.8	62.8	10
104	High-spin intermediates of the photolysis of 2,4,6-triazido-3-chloro-5-fluoropyridine. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 733-42	2.5	11
103	Stereochemistry rules: a single stereocenter changes the conformation of a cyclic tetrapeptide. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10785-91	3.4	7
102	Photochemistry of N-methylformamide: matrix isolation and nonadiabatic dynamics. <i>ChemPhysChem</i> , 2013 , 14, 827-36	3.2	12
101	Tunneling rearrangement of 1-azulenylcarbene. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13204-7	16.4	21
100	Matrix isolation and IR spectroscopic characterization of 3,5-difluoropyridyl-2,4,6-trinitrene. <i>Journal of Physical Organic Chemistry</i> , 2012 , 25, 486-492	2.1	18
99	The phenoxyl radical-water complex--a matrix isolation and computational study. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8222-30	16.4	28
98	Matrix Isolation and Spectroscopic Characterization of 2,5,6-Trifluoropyridyl-nitren-3-yl. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 3229-3236	3.2	2
97	EPR studies on branched high-spin aryl nitrenes. <i>ChemPhysChem</i> , 2012 , 13, 2721-8	3.2	8
96	Strain effects in electron spin resonance spectroscopy of quintet 2,6-bis(4-nitrenophenyl)-4-phenylpyridine. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 8419-25	2.8	9
95	EPR spectroscopic and computational characterization of the 2-dehydro-m-xylylene and 4-dehydro-m-xylylene triradicals. <i>Journal of Physical Organic Chemistry</i> , 2011 , 24, 976-992	2.1	7
94	Acetylene-furan trimer formation at 0.37 K as a model for ultracold aggregation of non- and weakly polar molecules. <i>ChemPhysChem</i> , 2011 , 12, 2009-17	3.2	7
93	Matrix Isolation and Electronic Structure of Di- and Tridehydrobenzenes. <i>Australian Journal of Chemistry</i> , 2010 , 63, 1013	1.2	43
92	Electron Paramagnetic Resonance Spectroscopic Characterization of p^2 - and p^4 -Didehydrotoluene. <i>Australian Journal of Chemistry</i> , 2010 , 63, 1634	1.2	12
91	Matrix Isolation and IR Characterization of the Benzoyl and Benzoylperoxy Radicals. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 2904-2909	3.2	12
90	3,4,5,6-Tetrafluorophenyl nitren-2-yl: a ground-state quartet triradical. <i>Chemistry - A European Journal</i> , 2010 , 16, 4496-506	4.8	17
89	Photochemistry and reactivity of the phenyl radical-water system: a matrix isolation and computational study. <i>Chemistry - A European Journal</i> , 2010 , 16, 8679-89	4.8	24
88	Inside Cover: Photochemistry and Reactivity of the Phenyl Radical-Water System: A Matrix Isolation and Computational Study (Chem. Eur. J. 29/2010). <i>Chemistry - A European Journal</i> , 2010 , 16, 8566-8566	4.8	

87	Isolation and Characterization of the Triradical 1,3,5-Trimethylenebenzene. <i>Angewandte Chemie</i> , 2010 , 122, 7435-7438	3.6	2
86	Isolation and characterization of the triradical 1,3,5-trimethylenebenzene. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7277-80	16.4	17
85	Matrix isolation and magnetic parameters of septet 3,5-dicyanopyridyl-2,4,6-trinitrene. <i>Journal of Physical Organic Chemistry</i> , 2010 , 23, 340-346	2.1	31
84	Interaction and Reaction of the Phenyl Radical with Water: A Source of OH Radicals. <i>Angewandte Chemie</i> , 2009 , 121, 4898-4901	3.6	8
83	Matrix isolation and spectroscopic characterization of the phenylperoxy radical and its rearranged products. <i>Chemistry - A European Journal</i> , 2009 , 15, 1462-7	4.8	18
82	Interaction and reaction of the phenyl radical with water: a source of OH radicals. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4804-7	16.4	32
81	Molecular structure and magnetic parameters of septet 2,4,6-trinitrenotoluene. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7238-44	4.2	27
80	Matrix Isolation and ab initio study of the noncovalent complexes between formamide and acetylene. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 1086-95	2.8	8
79	Photochemistry of fluorinated 4-iodophenylnitrenes: matrix isolation and spectroscopic characterization of phenylnitrene-4-yls. <i>Journal of Organic Chemistry</i> , 2009 , 74, 7370-82	4.2	22
78	Matrix isolation and EPR spectroscopy of septet 3,5-difluoropyridyl-2,4,6-trinitrene. <i>Journal of Organic Chemistry</i> , 2008 , 73, 7045-51	4.2	36
77	Comparative study of the photochemistry of the azidopyridine 1-oxides. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3441-51	4.2	14
76	Matrix isolation, spectroscopic characterization, and photoisomerization of m-xylylene. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2993-3000	16.4	47
75	2,3,5,6-Tetrafluorophenylnitren-4-yl: electron paramagnetic resonance spectroscopic characterization of a quartet-ground-state nitreno radical. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4396-403	16.4	33
74	A perimidine-derived non-Kekulé triplet diradical. <i>Journal of Organic Chemistry</i> , 2008 , 73, 4956-61	4.2	28
73	Ab initio and matrix isolation study of the acetylene-furan dimer. <i>Chemical Physics</i> , 2008 , 343, 168-185	2.3	27
72	Interactions between simple radicals and water. <i>Chemical Physics</i> , 2008 , 353, 193-201	2.3	25
71	The 1,2,3-tridehydrobenzene triradical: 2B or not 2B? The answer is 2A!. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5071-80	2.8	31
70	Intramolecular disulfide bridges as a phototrigger to monitor the dynamics of small cyclic peptides. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11297-302	3.4	41

69	Formamide dimers: a computational and matrix isolation study. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10552-61	2.8	56
68	Trifluoro-1,3,5-tridehydrobenzene. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4888-93	16.4	17
67	Trifluor-1,3,5-tridehydrobenzol. <i>Angewandte Chemie</i> , 2007 , 119, 4974-4979	3.6	8
66	Dehydrophenylnitrenes: matrix isolation and photochemical rearrangements. <i>Journal of Organic Chemistry</i> , 2007 , 72, 715-24	4.2	20
65	Towards a Molecular Movie: Real Time Observation of Hydrogen Bond Breaking by Transient 2D-IR Spectroscopy in a Cyclic Peptide. <i>Springer Series in Chemical Physics</i> , 2007 , 424-426	0.3	
64	Furan-formic acid dimers: an ab initio and matrix isolation study. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 13775-85	2.8	18
63	Computational study of noncovalent complexes between formamide and formic acid. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12613-22	2.8	21
62	Generation and reactivity of the phenyl cation in cryogenic argon matrices: monitoring the reactions with nitrogen and carbon monoxide directly by IR spectroscopy. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6357-67	4.2	44
61	Watching hydrogen-bond dynamics in a beta-turn by transient two-dimensional infrared spectroscopy. <i>Nature</i> , 2006 , 444, 469-72	50.4	292
60	A TRIR, TREPR and computational study on the reactivity and structure of the 2,2,2-trifluoroethoxycarbonyl radical. <i>Photochemistry and Photobiology</i> , 2006 , 82, 332-8	3.6	4
59	Reactive Intermediates from Cyclophanes 2005 , 211-227		2
58	Aggregation of acetic and propionic acid in argon matrices--a matrix isolation and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 902-9	4.4	50
57	Noncovalent complexes between dimethyl ether and formic acid--an ab initio and matrix isolation study. <i>ChemPhysChem</i> , 2005 , 6, 618-24	3.2	20
56	The photochemistry of lipoic acid: photoionization and observation of a triplet excited state of a disulfide. <i>ChemPhysChem</i> , 2005 , 6, 2607-18	3.2	35
55	1,2,3-Tridehydrobenzene. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6306-11	16.4	32
54	1,2,3-Tridehydrobenzol. <i>Angewandte Chemie</i> , 2005 , 117, 6464-6469	3.6	13
53	3,5-Pyridyne--a heterocyclic meta-benzyne derivative. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6135-49	16.4	65
52	Photochemistry of 9-fluorenone oxime phenylglyoxylate: a combined TRIR, TREPR and ab initio study. <i>Journal of Physical Organic Chemistry</i> , 2004 , 17, 207-214	2.1	17

51	Small Cyclic Disulfide Peptides: Synthesis in Preparative Amounts and Characterization by Means of NMR and FT-IR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 4167-4176	3.2	23
50	Photoinduced interactions between oxidized and reduced lipoic acid and riboflavin (vitamin B2). <i>ChemPhysChem</i> , 2004 , 5, 47-56	3.2	50
49	Steady-state and time-resolved studies on photoinduced disulfide bond cleavage using aniline as an electron donor. <i>ChemPhysChem</i> , 2004 , 5, 399-402	3.2	9
48	Matrix isolation infrared and ab initio study of the hydrogen bonding between formic acid and water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 3225-32	4.4	59
47	1:2 Formic Acid/Acetylene Complexes: Ab Initio and Matrix Isolation Studies of Weakly Interacting Systems. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 11846-11854	2.8	26
46	Generation and photoreactions of 2,4,6-trinitreno-1,3,5-triazine, a septet trinitrene. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7846-52	16.4	48
45	Snm as a Photolabile Protecting Group for the Cysteinyl Radical Direct Evidence from Time-Resolved IR and UV/Vis Spectroscopies. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 1074-1079	3.2	7
44	Titelbild: 100 Jahre Didehydroaromaten (Angew. Chem. 5/2003). <i>Angewandte Chemie</i> , 2003 , 115, 491-493	3.6	115
43	100 Jahre Didehydroaromaten. <i>Angewandte Chemie</i> , 2003 , 115, 518-546	3.6	115
42	Cover Picture: One Century of Aryne Chemistry (Angew. Chem. Int. Ed. 5/2003). <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 475-475	16.4	
41	One century of aryne chemistry. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 502-28	16.4	498
40	Matrix Isolation Infrared and ab Initio Study of Formic Acid/Acetylene Interaction: Example of H \cdots O and C \cdots O Interaction. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 6850-6858	2.8	40
39	Dehydrophenylnitrenes: quartet versus doublet states. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9726-33	16.4	19
38	2,3,5,6-Tetrafluorophenylnitren-4-yl: ein Nitrenradikal mit Quartett-Grundzustand. <i>Angewandte Chemie</i> , 2002 , 114, 2873-2876	3.6	8
37	2,3,5,6-Tetrafluorophenylnitren-4-yl: a quartet-ground-state nitrene radical. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 2742-5	16.4	15
36	Generation of Fluorinated m-Benzyne Derivatives in Neon Matrices. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 3927-3935	3.2	38
35	Vibrational spectrum of m-benzyne: a matrix isolation and computational study. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13072-9	16.4	67
34	Matrix isolation and spectroscopic characterization of perfluorinated ortho- and meta-benzyne. <i>Chemistry - A European Journal</i> , 2001 , 7, 1837-44	4.8	37

33	Reaction of 4-oxo-2,3,5,6-tetrafluorocyclohexa-2,5-dienylidene with acetylene: a carbene to carbene reaction. <i>Journal of Organic Chemistry</i> , 2001 , 66, 7994-9	4.2	8
32	The Structure of meta-Benzyne Revisited A Close Look into π -Bond Formation. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 10422-10432	2.8	65
31	Reactions of 2,5-cyclohexadienylidenes investigated by direct spectroscopic methods. <i>Advances in Carbene Chemistry</i> , 2001 , 159-203		3
30	4-Oxo-2,3,5,6-tetrafluorocyclohexa-2,5-dienylidene--a highly electrophilic triplet carbene. <i>Chemistry - A European Journal</i> , 2000 , 6, 4567-79	4.8	40
29	Isolation of the Phenyl Cation in a Solid Argon Matrix. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2014-2016	16.4	37
28	Super-electrophilic carbenes and the concept of Philicity. <i>Journal of Physical Organic Chemistry</i> , 2000 , 13, 561-568	2.1	50
27	Photochemistry of 9,10-Dicarbonyl-9,10-dihydroanthracene [A Source of 9,10-Dehydroanthracene?]. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 57-60	3.2	5
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