Gion Anton Calzaferri

List of Publications by Year
in descending order

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206 papers	9,116 citations	30047 54 h-index	58549 82 g-index
236 all docs	236 docs citations	236 times ranked	5408 citing authors

#	Article	IF	Citations
1	Hostâ€“Guest Antenna Materials. Angewandte Chemie - International Edition, 2003, 42, 3732-3758.	7.2	471
2	Molecular geometries by the Extended Hueckel Molecular Orbital (EHMO) method. The Journal of Physical Chemistry, 1989, 93, 5366-5371.	2.9	200
3	Encapsulated Lanthanides as Luminescent Materials. Angewandte Chemie - International Edition, 2002, 41, 2495-2497.	7.2	190
4	Synthesis of Zeolite L. Tuning Size and Morphology. Monatshefte FÃ¼r Chemie, 2005, 136, 77-89.	0.9	173
5	Organizing Supramolecular Functional Dyeâ€“Zeolite Crystals. Angewandte Chemie - International Edition, 2006, 45, 5282-5287.	7.2	154
6	Mimicking the antenna system of green plants. Photochemical and Photobiological Sciences, 2008, 7, 879-910.	1.6	147
7	Photonic antenna system for light harvesting, transport and trapping. Journal of Materials Chemistry, 2002, 12, 1-13.	6.7	145
8	Molecular sieves as host materials for supramolecular organization. Microporous and Mesoporous Materials, 2004, 72, 1-23.	2.2	145
9	Nanochannels for supramolecular organization of luminescent guests. Journal of Materials Chemistry, 2009, 19, 8040.	6.7	139
10	The band structures of the silver halides AgF, AgCl, and AgBr: A comparative study. Photochemical and Photobiological Sciences, 2003, 2, 398.	1.6	121
11	Nanochannels: Hosts for the Supramolecular Organization of Molecules and Complexes. Langmuir, 2012, 28, 6216-6231.	1.6	121
12	Orientation of Fluorescent Dyes in the Nano Channels of Zeolite L. Journal of Physical Chemistry B, 2001, 105, 25-35.	1.2	118
13	Thionine in the cage of zeolite L. The Journal of Physical Chemistry, 1992, 96, 3428-3435.	2.9	111
14	Monosubstituted octasilasesquioxanes. Applied Organometallic Chemistry, 1999, 13, 213-226.	1.7	110
15	Orienting Zeoliteâ€…L Microcrystals with a Functional Linker. Angewandte Chemie - International Edition, 2010, 49, 1434-1438.	7.2	110
16	H8Si8O12: A model for the vibrational structure of zeolite A. The Journal of Physical Chemistry, 1994, 98, 2817-2831.	2.9	108
17	Luminescence Enhancement after Adding Stoppers to Europium(III) Nanozeoliteâ€…L. Angewandte Chemie - International Edition, 2014, 53, 2904-2909.	7.2	102
18	Dye-Loaded Zeolite L Sandwiches as Artificial Antenna Systems for Light Transport. Chemistry - A European Journal, 2000, 6, 3456-3470.	1.7	100

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19	Trapping Energy from and Injecting Energy into Dye-Zeolite Nanoantennae. Angewandte Chemie - International Edition, 2002, 41, 2284-2288.	7.2	96
20	Formation of Twoâ€Dimensional Supramolecular Polymers by Amphiphilic Pyrene Oligomers. Angewandte Chemie - International Edition, 2013, 52, 11488-11493.	7.2	96
21	The Silver Chloride Photoanode in Photoelectrochemical Water Splitting. Journal of Physical Chemistry B, 2002, 106, 12764-12775.	1.2	95
22	Luminescent Silver Sulfide Clusters. Journal of Physical Chemistry B, 2002, 106, 3770-3777.	1.2	94
23	Time, Space, and Spectrally Resolved Studies on J-Aggregate Interactions in Zeolite L Nanochannels. Journal of the American Chemical Society, 2008, 130, 10970-10976.	6.6	94
24	Silver-Zeolite-Modified Electrodes: An Intrazeolite Electron Transport Mechanism. The Journal of Physical Chemistry, 1995, 99, 2119-2126.	2.9	93
25	Toward White Light Emission through Efficient Two-Step Energy Transfer in Hybrid Nanofibers. ACS Nano, 2010, 4, 1409-1416.	7.3	93
26	Designing Dyeâ€“Nanochannel Antenna Hybrid Materials for Light Harvesting, Transport and Trapping. ChemPhysChem, 2011, 12, 580-594.	1.0	90
27	Playing with dye molecules at the inner and outer surface of zeolite L. Solid State Sciences, 2000, 2, 421-447.	1.5	89
28	Electronic Properties of the Silverâ€“Silver Chloride Cluster Interface. Chemistry - A European Journal, 2002, 8, 1785.	1.7	88
29	Ring-Opening Vibrations of Spherosiloxanes. The Journal of Physical Chemistry, 1996, 100, 2035-2044.	2.9	86
30	The Yellow Color of Silver-Containing Zeolite A. Angewandte Chemie - International Edition, 1998, 37, 1521-1524.	7.2	82
31	Colors of Ag+-Exchanged Zeolite A. Journal of Physical Chemistry A, 2000, 104, 7473-7483.	1.1	82
32	The electronic structure of Cu+, Ag+, and Au+zeolites. Chemical Society Reviews, 2003, 32, 29-37.	18.7	82
33	Self-Assembling Living Systems with Functional Nanomaterials. Angewandte Chemie - International Edition, 2007, 46, 6188-6191.	7.2	80
34	Time- and Space-Resolved Luminescence of a Photonic Dye-Zeolite Antenna. Angewandte Chemie - International Edition, 2001, 40, 2839-2842.	7.2	79
35	Thermally stable luminescent lanthanide complexes in zeolite L. Microporous and Mesoporous Materials, 2009, 121, 1-6.	2.2	75
36	Limits of the in Situ Synthesis of Tris(2,2â€˜-bipyridine)ruthenium(II) in the Supercages of Zeolite Y. Inorganic Chemistry, 1996, 35, 3514-3518.	1.9	74

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37	FÃ¶rster Resonance Energy Transfer in Quantum Dotâ€“Dyeâ€Loaded Zeolite L Nanoassemblies. Small, 2011, 7, 1488-1494.	5.2	72
38	Excited states of M(II,d6)-4'-phenylterpyridine complexes: electron localization. The Journal of Physical Chemistry, 1991, 95, 7641-7649.	2.9	68
39	Sequential Functionalization of the Channel Entrances of Zeolite L Crystals. Angewandte Chemie - International Edition, 2004, 43, 6738-6742.	7.2	68
40	Orthogonally Bifunctional Fluorescent Zeoliteâ€Ł Microcrystals. Advanced Materials, 2008, 20, 1614-1618.	11.1	68
41	Dyeâ€Modified Nanochannel Materials for Photoelectronic and Optical Devices. Chemistry - A European Journal, 2008, 14, 7442-7449.	1.7	65
42	Energy Migration in Dye-Loaded Hexagonal Microporous Crystals. Journal of Physical Chemistry B, 1997, 101, 1396-1408.	1.2	63
43	Quantum-Sized Silver Sulfide Clusters in Zeolite A. Journal of Physical Chemistry B, 1999, 103, 6397-6399.	1.2	63
44	Copper-zeolite-modified electrodes: An intrazeolite ion transport mechanism. Journal of Electroanalytical Chemistry, 1994, 377, 163-175.	1.9	62
45	Characterization of Methyl Viologen in the Channels of Zeolite L. Journal of Physical Chemistry B, 1999, 103, 3340-3351.	1.2	62
46	Injecting Electronic Excitation Energy into an Artificial Antenna System through an Ru2+ Complex. Chemistry - A European Journal, 2004, 10, 5771-5775.	1.7	62
47	Vibrations of H8Si8O12, D8Si8O12, and H10Si10O15 As Determined by INS, IR, and Raman Experiments. Journal of Physical Chemistry B, 1997, 101, 1171-1179.	1.2	60
48	Phenoxazine dyes in zeolite L, synthesis and properties. Microporous and Mesoporous Materials, 2003, 65, 233-242.	2.2	60
49	Electronic Transition Oscillator Strength by the Extended Hueckel Molecular Orbital Method. The Journal of Physical Chemistry, 1995, 99, 12141-12150.	2.9	58
50	Proton Activity Inside the Channels of Zeolite L. Chemistry - A European Journal, 2007, 13, 8939-8952.	1.7	58
51	Fast Energy Migration in Pyronine-Loaded Zeolite L Microcrystals. Journal of Physical Chemistry B, 1999, 103, 1250-1257.	1.2	57
52	Photocatalytic oxidation of water to O2 on AgCl-coated electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 120, 105-117.	2.0	56
53	The symmetrical octasilasesquioxanes X8Si8O12: electronic structure and reactivity. Journal of the Chemical Society Dalton Transactions, 1991, , 917.	1.1	54
54	Energy Transfer from Dyeâ€“Zeolite L Antenna Crystals to Bulk Silicon. ChemPhysChem, 2004, 5, 239-242.	1.0	54

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55	Transfer of Electronic Excitation Energy between Dye Molecules in the Channels of Zeolite L. Journal of Physical Chemistry B, 1998, 102, 2433-2436.	1.2	53
56	Interactions of Perylene Bisimide in the One-Dimensional Channels of Zeolite L. Journal of Physical Chemistry C, 2011, 115, 5974-5988.	1.5	53
57	Synthesis and Luminescence Properties of Ag2S and PbS Clusters in Zeolite A. Chemistry - A European Journal, 2005, 11, 7191-7198.	1.7	52
58	Formation of Two Homoâ€chromophoric Hâ€Aggregates in DNAâ€Assembled Alternating Dye Stacks. Angewandte Chemie - International Edition, 2015, 54, 3643-3647.	7.2	51
59	Vibrational Structure of Monosubstituted Octahydrosilasesquioxanes. Journal of Physical Chemistry B, 1997, 101, 4925-4933.	1.2	50
60	Electronic Excitation Energy Migration in a Photonic Dye-Zeolite Antenna. ChemPhysChem, 2003, 4, 567-587.	1.0	50
61	Monolayers of Zeolite A Containing Luminescent Silver Sulfide Clusters. ChemPhysChem, 2004, 5, 1593-1596.	1.0	50
62	Interactions, Behavior, And Stability of Fluorenone inside Zeolite Nanochannels. Journal of Physical Chemistry C, 2010, 114, 10572-10579.	1.5	49
63	Monosubstitution von Octa(hydridosilasesquioxan) H8Si8O12 zu R?H7Si8O12 mittels Hydrosilylierung Kurzmitteilung. Helvetica Chimica Acta, 1991, 74, 1278-1280.	1.0	45
64	Multilevel Organization in Hybrid Thin Films for Optoelectronic Applications. Langmuir, 2009, 25, 12019-12023.	1.6	45
65	Efficient and Robust Hostâ€“Guest Antenna Composite for Light Harvesting. Chemistry of Materials, 2014, 26, 6878-6885.	3.2	45
66	Towards artificial photosynthesis. Coordination Chemistry Reviews, 1991, 111, 193-200.	9.5	44
67	Solubilisation of dye-loaded zeolite L nanocrystals. Microporous and Mesoporous Materials, 2006, 90, 69-72.	2.2	44
68	Orientation and Order of Xanthene Dyes in the One-Dimensional Channels of Zeolite L: Bridging the Gap between Experimental Data and Molecular Behavior. Journal of Physical Chemistry C, 2012, 116, 16784-16799.	1.5	44
69	Hostâ€“Guest Interactions and Orientation of Dyes in the One-Dimensional Channels of Zeolite L. Langmuir, 2013, 29, 9188-9198.	1.6	44
70	Electronic and Vibrational Properties of Fluorenone in the Channels of Zeolite L. Chemistry - A European Journal, 2004, 10, 2391-2408.	1.7	43
71	Water splitting with silver chloride photoanodes and amorphous silicon solar cells. Photochemical and Photobiological Sciences, 2004, 3, 1017.	1.6	43
72	Energy Transfer in Fluorescent Nanofibers Embedding Dyeâ€Loaded Zeolite L Crystals. Advanced Materials, 2009, 21, 1146-1150.	11.1	43

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73	New Synthetic Route to Polyhedral Organylsilsesquioxanes. Helvetica Chimica Acta, 1991, 74, 24-26.	1.0	42
74	Photochemical oxidation of water with thin AgCl layers. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 95, 175-180.	2.0	42
75	FÃ¶rster-Type Energy Transfer along a Specified Axis. Angewandte Chemie - International Edition, 2005, 44, 5325-5329.	7.2	42
76	Assembling Micro Crystals through Cooperative Coordinative Interactions. Angewandte Chemie - International Edition, 2007, 46, 8898-8902.	7.2	41
77	Methyl viologenâ€“zeolite electrodes: intrazeolite charge transfer. Journal of the Chemical Society Chemical Communications, 1995, , 1313-1314.	2.0	40
78	Luminescence properties of Ag2S and Ag4S2in zeolite A. Journal of Materials Chemistry, 2003, 13, 1969-1977.	6.7	40
79	Gold-Colloid-Modified AgCl Photocatalyst for Water Oxidation to O2. ChemPhysChem, 2004, 5, 720-724.	1.0	40
80	Artificial Photosynthesis. Topics in Catalysis, 2010, 53, 130-140.	1.3	40
81	Self-sensitization of photo-oxygen evolution in Ag+ zeolites: computer-controlled experiments. Journal of Photochemistry and Photobiology, 1984, 26, 109-118.	0.6	39
82	Normal coordinate analysis of H8Si8O12. Spectrochimica Acta Part A: Molecular Spectroscopy, 1990, 46, 1045-1056.	0.1	39
83	Photoreduction and electroreduction of carbon dioxide by a novel rhenium(I) p-phenyl-terpyridine carbonyl complex. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 64, 259-262.	2.0	39
84	Einfluss intramolekularer Bewegungen auf die Fluoreszenzquantenausbeute. Helvetica Chimica Acta, 1976, 59, 1969-1987.	1.0	38
85	Resorufin in the Channels of Zeolite L. Journal of Physical Chemistry B, 1998, 102, 2923-2929.	1.2	38
86	First-principles simulation of the absorption bands of fluorenone in zeolite L. Physical Chemistry Chemical Physics, 2013, 15, 159-167.	1.3	38
87	Structure of Nanochannel Entrances in Stopcockâ€Functionalized Zeoliteâ€…L Composites. Angewandte Chemie - International Edition, 2015, 54, 11112-11116.	7.2	38
88	Intrazeolite Diffusion Kinetics of Dye Molecules in the Nanochannels of Zeolite L, Monitored by Energy Transfer. ChemPhysChem, 2000, 1, 211-217.	1.0	37
89	Optical spectroscopy of inorganicâ€“organic hostâ€“guest nanocrystals organized as oriented monolayers. Inorganica Chimica Acta, 2007, 360, 869-875.	1.2	37
90	Dye molecules in zeolites as artificial antenna. Solar Energy Materials and Solar Cells, 1995, 38, 175-186.	3.0	36

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91	The Band Structure of Diamond. The Journal of Physical Chemistry, 1996, 100, 11122-11124.	2.9	36
92	Photon harvesting by excimer-forming multichromophores. Chemical Communications, 2012, 48, 9589.	2.2	36
93	X-ray diffraction study of the molecular structure of a spherohydridosilasesquioxane, H10Si10O15, a flexible assembly of rigid tetrahedra. Inorganic Chemistry, 1993, 32, 4914-4919.	1.9	35
94	Silver zeolite 4A modified electrodes: intrazeolite effect. Journal of the Chemical Society Chemical Communications, 1993, , 1430.	2.0	35
95	Transfer of Electronic Excitation Energy between Randomly Mixed Dye Molecules in the Channels of Zeolite L. Journal of Physical Chemistry B, 2006, 110, 5633-5638.	1.2	34
96	Fluorescent Electrospun Nanofibers Embedding Dye-Loaded Zeolite Crystals. Small, 2007, 3, 305-309.	5.2	34
97	Silver Chloride Clusters and Surface States. Journal of Physical Chemistry B, 1999, 103, 5622-5630.	1.2	33
98	One-dimensional self-assembly of perylene-diimide dyes by unidirectional transit of zeolite channel openings. Chemical Communications, 2016, 52, 11195-11198.	2.2	33
99	Supramolecular Organization of Dye Molecules in Zeoliteâ€…L Channels: Synthesis, Properties, and Composite Materials. Chemistry - A European Journal, 2016, 22, 4046-4060.	1.7	33
100	Molecular Geometries by the Extended-HÃ¼ckelMolecular Orbital method II: Hydrocarbons and organic molecules containing O, N, and S. Helvetica Chimica Acta, 1993, 76, 924-951.	1.0	32
101	Synthesis and crystal structure of [Co(CO)4(H7Si8O12)]. A new type of monosubstituted octanuclear silasesquioxane with a siliconâ€“cobalt bond. Journal of the Chemical Society Dalton Transactions, 1993, , 3741-3748.	1.1	32
102	Selective Modification of the Channel Entrances of Zeolite L with Triethoxysilylated Coumarin. Journal of Physical Chemistry B, 2004, 108, 16348-16352.	1.2	32
103	Model calculations on thiocarbonyl systems. Journal of the Chemical Society Perkin Transactions II, 1975, , 559.	0.9	30
104	Self-Assembling Zeolite Crystals into Uniformly Oriented Layers. Langmuir, 2011, 27, 12614-12620.	1.6	30
105	On the Significance of the Anchoring Group in the Design of Antenna Materials Based on Phthalocyanine Stopcocks and Zeoliteâ€…L. Chemistry - A European Journal, 2011, 17, 1855-1862.	1.7	30
106	Light-harvesting hostâ€“guest antenna materials for quantum solar energy conversion devices. Comptes Rendus Chimie, 2006, 9, 214-225.	0.2	29
107	Structural and vibrational properties of the octanuclear silasesquioxane C6H13(H7Si8O12). Journal of the Chemical Society Dalton Transactions, 1994, , 3123-3128.	1.1	28
108	Fabrication of oriented zeolite L monolayers employing luminescent perylenediimide-bridged silsesquioxane precursor as the covalent linker. Chemical Communications, 2007, , 2853.	2.2	28

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109	Separation of the oligomeric silsesquioxanes (HSiO3/2)8â€“18 by size-exclusion chromatography. Journal of Chromatography A, 1990, 507, 481-486.	1.8	27
110	Synthesis of New Molecules Containing Head, Spacer, and Label Moieties. Journal of Organic Chemistry, 2002, 67, 6705-6710.	1.7	27
111	Selective functionalization of the external surface of zeolite L. Comptes Rendus Chimie, 2005, 8, 391-398.	0.2	27
112	Self-Absorption and Luminescence Quantum Yields of Dye-Zeolite L Composites. Journal of Physical Chemistry C, 2013, 117, 23034-23047.	1.5	25
113	Pd-katalysierter Deuterium-Austausch am Octa(silsesquioxan)H8Si8O12zu D8Si8O12. Helvetica Chimica Acta, 1990, 73, 698-699.	1.0	24
114	Geometry optimization of organometallic compounds using a modified extended-Hueckel formalism. The Journal of Physical Chemistry, 1993, 97, 3722-3727.	2.9	24
115	Oxidation Numbers. Journal of Chemical Education, 1999, 76, 362.	1.1	24
116	Carboxyester functionalised dyeâ€“zeolite L hostâ€“guest materials. Microporous and Mesoporous Materials, 2006, 95, 112-117.	2.2	24
117	Gold-loaded zeolite A. Microporous and Mesoporous Materials, 2003, 66, 15-20.	2.2	22
118	Structure and Hostâ€“Guest Interactions of Peryleneâ€“Diimide Dyes in Zeolite L Nanochannels. Journal of Physical Chemistry C, 2018, 122, 3401-3418.	1.5	22
119	Copper and Silver Atoms in the ?-Cage of a Zeolite: Model Calculations. Helvetica Chimica Acta, 1987, 70, 465-479.	1.0	20
120	Thin Mo(CO)6â€“Y-zeolite layers: preparation and in situ transmission FTIR spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1633-1637.	1.7	19
121	Oxygen detection in photochemical experiments. Journal of Photochemistry and Photobiology, 1982, 19, 321-327.	0.6	18
122	The monophenylhydrosilasesquioxanes PhHnâ€“1SinO1.5nwhere n= 8 or 10. Journal of the Chemical Society Dalton Transactions, 1996, , 3313-3322.	1.1	18
123	Photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 109, 47-52.	2.0	18
124	Novel phthalocyanine-based stopcock for zeolite L. Chemical Communications, 2008, , 1187.	2.2	18
125	Surprising Properties of a Furoâ€Furanone. Chemistry - A European Journal, 2010, 16, 11289-11299.	1.7	18
126	Picosecond time resolution by a continuous wave laser amplitude modulation technique I: A critical investigation. Journal of Photochemistry and Photobiology, 1980, 13, 21-33.	0.6	17

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127	An Ag-Atom in the 6-6 Subunit of a Zeolite: Model Calculations. Helvetica Chimica Acta, 1986, 69, 873-880.	1.0	17
128	H₈Si₈O₁₂ â€“ Modell und Ausgangsverbindung. Nachrichten Aus Der Chemie, 1992, 40, 1106-1114.	0.0	17
129	Photochemical oxidation of water on a 1 Î¼ Ag+ zeolite layer. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 69, 67-72.	2.0	17
130	Correlation of the vibrational structure of H8Si8O12 and H10Si10O15. Vibrational Spectroscopy, 1995, 8, 305-308.	1.2	17
131	Eingeschlossene Lanthanoide als lumineszierende Materialien. Angewandte Chemie, 2002, 114, 2607-2608.	1.6	17
132	Luminescence Quenching by O2 of a Ru2+ Complex Attached to Zeolite L. ChemPhysChem, 2006, 7, 1050-1053.	1.0	17
133	Nanochannel Materials for Quantum Solar Energy Conversion Devices. Chimia, 2007, 61, 820-822.	0.3	17
134	Fabrication of oriented zeolite L monolayer via covalent molecular linkers. Journal of Solid State Chemistry, 2008, 181, 2469-2472.	1.4	17
135	Multiple equilibria describe the complete adsorption isotherms of nonporous, microporous, and mesoporous adsorbents. Microporous and Mesoporous Materials, 2022, 330, 111563.	2.2	17
136	Self-sensitization of photo-chlorine evolution in aqueous dispersions of silver zeolites. Journal of Photochemistry and Photobiology, 1986, 32, 151-155.	0.6	16
137	Dalton communications. Synthesis of the first organometallic monosubstituted octanuclear silasesquioxane. Journal of the Chemical Society Dalton Transactions, 1992, , 3391.	1.1	16
138	Photochemical oxidation of water and electrochemistry of silver chloride complexes occluded in zeolite A. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 87, 81-84.	2.0	16
139	At the time he made the first photographs on paper: Did Henry Fox Talbot oxidize water to oxygen with sunlight?. Catalysis Today, 1997, 39, 145-157.	2.2	16
140	Particle Distribution in a Microporous Material. Journal of Physical Chemistry B, 1999, 103, 18-26.	1.2	16
141	Self-Assembled Nanofibers of Fluorescent Zeolite L Crystals and Conjugated Polymer. Langmuir, 2010, 26, 1590-1593.	1.6	16
142	Picosecond time resolution by a continuous wave laser amplitude modulation technique II: Experimental basis. Journal of Photochemistry and Photobiology, 1980, 13, 295-307.	0.6	15
143	Luminescence experiments on copper(I) zeolites. Journal of the Chemical Society Chemical Communications, 1991, , 1489.	2.0	15
144	Quasi-reversible silver zeolite electrode prepared by photochemical modification. Journal of the Chemical Society Chemical Communications, 1991, .	2.0	15

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145	Photocatalytic oxidation of water to O2 on AgCl-coated electrodes. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 109, 87-89.	2.0	15
146	Entropy in multiple equilibria, theory and applications. Physical Chemistry Chemical Physics, 2017, 19, 10611-10621.	1.3	15
147	Self-absorption and re-emission in wavelength-dependent fluorescence decay. Chemical Physics Letters, 1985, 116, 66-72.	1.2	14
148	Selfassembly of zeolite L crystals on biological self-cleaning surfaces. Microporous and Mesoporous Materials, 2008, 109, 392-397.	2.2	14
149	Picosecond time resolution by a continuous wave laser amplitude modulation technique III: dual-beam luminescence experiment. Journal of Photochemistry and Photobiology, 1981, 16, 31-41.	0.6	13
150	In situ attenuated total reflection FTIR investigations of H2O, HSiCl3 and Co2(CO)8 on ZnSe in the range 600â€“4000 cmâ¯1. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1996, 52, 23-28.	2.0	13
151	Particle Distribution in a Microporous Material: Experiments with Zeolite A. ChemPhysChem, 2005, 6, 1071-1080.	1.0	13
152	Preparative separation of higher fullerenes by high-performance liquid chromatography on a tetrachlorophthalimidopropyl-modified silica column. Journal of Chromatography A, 1993, 644, 188-192.	1.8	12
153	Organisation and Solubilisation of Zeolite L Crystals. Chimia, 2006, 60, 179-181.	0.3	12
154	Synthese von 4-Trichlorsilylmethylbenzonitril und 4-(2-TrichlorsilylÃthyl)pyridin zur OberflÃchenmodifikation von Zinndioxid. Helvetica Chimica Acta, 1979, 62, 2547-2550.	1.0	11
155	Development of picosecond time-resolved techniques by continuous-wave laser amplitude modulation IV: systematic errors. Journal of Photochemistry and Photobiology, 1983, 22, 297-312.	0.6	11
156	A Layered Red-Emitting Chromophoric Organic Salt. Crystal Growth and Design, 2008, 8, 3004-3009.	1.4	11
157	Entropy in multiple equilibria. Argon and nitrogen adsorption isotherms of nonporous, microporous, and mesoporous materials. Microporous and Mesoporous Materials, 2021, 312, 110744.	2.2	11
158	Photochromism of 4-Substituted Benzofuroxans. Angewandte Chemie International Edition in English, 1974, 13, 86-88.	4.4	10
159	Molecular Geometries by the Extended-HÃ¼ckelMolecular Orbital Method III: Band-structure calculations. Helvetica Chimica Acta, 1993, 76, 2350-2355.	1.0	10
160	Sorption properties of Mo(CO)6 on thin Y-zeolite layers. Microporous and Mesoporous Materials, 1998, 21, 59-66.	2.2	10
161	Formation of Mixed Layers Derived from Functional Silicon Oxide Clusters on Gold. Langmuir, 2001, 17, 7879-7885.	1.6	10
162	Manipulation of Energy Transfer Processes in Nanochannels. International Journal of Photoenergy, 2009, 2009, 1-9.	1.4	10

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163	Time-resolved fluorescence spectra derived from multiple frequency phase fluorimetry. Chemical Physics Letters, 1985, 121, 147-153.	1.2	9
164	Size quantization and surface states of molybdenum sulphide clusters: a molecular orbital approach. Chemical Physics, 1995, 201, 141-150.	0.9	9
165	Introduction to Basic Terms of Band Structures. Journal of Chemical Education, 2003, 80, 1221.	1.1	9
166	Cationic dye molecules in zeolite L as artificial antenna. Journal of Chemical Sciences, 1995, 107, 753.	0.7	9
167	Photochromism of O-Analogs of Thiathiophthenes. Helvetica Chimica Acta, 1973, 56, 597-609.	1.0	8
168	Clark-Ähnlicher Wasserstoffdetektor. Helvetica Chimica Acta, 1978, 61, 2375-2380.	1.0	8
169	Development of picosecond time-resolved techniques by continuous-wave laser amplitude modulation V: Elimination of r.f. interference problems. Journal of Photochemistry and Photobiology, 1983, 23, 387-390.	0.6	7
170	Relative shift of ligand versus metal orbitals. Chemical Physics Letters, 1984, 103, 296-301.	1.2	7
171	Light-harvesting host-guest antenna materials for photonic devices. , 2006, 6192, 201.		7
172	Photochemical Investigation of the Iodine/Iron System. Zeitschrift Fur Physikalische Chemie, 1979, 118, 11-30.	1.4	6
173	The instability of H3. Chemical Physics Letters, 1982, 87, 443-446.	1.2	6
174	Reaktionskinetik einer Monomolekularen OberflÃchenbelegung von Germanium mit 4-(Trichlorsilylmethyl)benzonitril mit Hilfe von FTIR-Experimenten. Helvetica Chimica Acta, 1985, 68, 1617-1623.	1.0	6
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