Gion Anton Calzaferri

List of Publications by Citations

221 papers	8,330 citations	52 h-index	78 g-index
236 ext. papers	8,605 ext. citations	5.4 avg, IF	6.05 L-index

#	Paper	IF	Citations
221	Host-guest antenna materials. *Angewandte Chemie - International Edition*, **2003**, 42, 3732-58	16.4	441
220	Molecular geometries by the Extended Hueckel Molecular Orbital (EHMO) method. *The Journal of Physical Chemistry*, **1989**, 93, 5366-5371		182
219	Encapsulated lanthanides as luminescent materials. *Angewandte Chemie - International Edition*, **2002**, 41, 2495-7	16.4	181
218	Synthesis of Zeolite L. Tuning Size and Morphology. *Monatshefte F□ Chemie*, **2005**, 136, 77-89	1.4	163
217	Organizing supramolecular functional dye-zeolite crystals. *Angewandte Chemie - International Edition*, **2006**, 45, 5282-7	16.4	142
216	Mimicking the antenna system of green plants. *Photochemical and Photobiological Sciences*, **2008**, 7, 879-910	4.2	138
215	Molecular sieves as host materials for supramolecular organization. *Microporous and Mesoporous Materials*, **2004**, 72, 1-23	5.3	137
214	Nanochannels for supramolecular organization of luminescent guests. *Journal of Materials Chemistry*, **2009**, 19, 8040		135
213	Photonic antenna system for light harvesting, transport and trapping. *Journal of Materials Chemistry*, **2002**, 12, 1-13		133
212	Wirt-Gast-Antennenmaterialien. *Angewandte Chemie*, **2003**, 115, 3860-3888	3.6	118
211	Nanochannels: hosts for the supramolecular organization of molecules and complexes. *Langmuir*, **2012**, 28, 6216-31	4	110
210	Orienting zeolite L microcrystals with a functional linker. *Angewandte Chemie - International Edition*, **2010**, 49, 1434-8	16.4	110
209	The band structures of the silver halides AgF, AgCl, and AgBr: A comparative study. *Photochemical and Photobiological Sciences*, **2003**, 2, 398	4.2	108
208	Orientation of Fluorescent Dyes in the Nano Channels of Zeolite L. *Journal of Physical Chemistry B*, **2001**, 105, 25-35	3.4	104
207	H8Si8O12: A model for the vibrational structure of zeolite A. *The Journal of Physical Chemistry*, **1994**, 98, 2817-2831		103
206	Monosubstituted octasilasesquioxanes. *Applied Organometallic Chemistry*, **1999**, 13, 213-226	3.1	102
205	Thionine in the cage of zeolite L. *The Journal of Physical Chemistry*, **1992**, 96, 3428-3435		95

204	Luminescence enhancement after adding stoppers to europium(III) nanozeolite L. *Angewandte Chemie - International Edition*, **2014**, 53, 2904-9	16.4	93
203	Dye-loaded zeolite L sandwiches as artificial antenna systems for light transport. *Chemistry - A European Journal*, **2000**, 6, 3456-70	4.8	89
202	Time, space, and spectrally resolved studies on J-aggregate interactions in zeolite L nanochannels. *Journal of the American Chemical Society*, **2008**, 130, 10970-6	16.4	88
201	Luminescent Silver Sulfide Clusters. *Journal of Physical Chemistry B*, **2002**, 106, 3770-3777	3.4	88
200	The Silver Chloride Photoanode in Photoelectrochemical Water Splitting. *Journal of Physical Chemistry B*, **2002**, 106, 12764-12775	3.4	87
199	Designing dye-nanochannel antenna hybrid materials for light harvesting, transport and trapping. *ChemPhysChem*, **2011**, 12, 580-94	3.2	86
198	Trapping energy from and injecting energy into dye-zeolite nanoantennae. *Angewandte Chemie - International Edition*, **2002**, 41, 2284-8	16.4	86
197	Toward white light emission through efficient two-step energy transfer in hybrid nanofibers. *ACS Nano*, **2010**, 4, 1409-16	16.7	83
196	Ring-Opening Vibrations of Spherosiloxanes. *The Journal of Physical Chemistry*, **1996**, 100, 2035-2044		82
195	Electronic properties of the silver-silver chloride cluster interface. *Chemistry - A European Journal*, **2002**, 8, 1785-94	4.8	81
194	Silver-Zeolite-Modified Electrodes: An Intrazeolite Electron Transport Mechanism. *The Journal of Physical Chemistry*, **1995**, 99, 2119-2126		81
193	Formation of two-dimensional supramolecular polymers by amphiphilic pyrene oligomers. *Angewandte Chemie - International Edition*, **2013**, 52, 11488-93	16.4	78
192	The Yellow Color of Silver-Containing Zeolite A. *Angewandte Chemie - International Edition*, **1998**, 37, 1521-1524	16.4	76
191	Self-assembling living systems with functional nanomaterials. *Angewandte Chemie - International Edition*, **2007**, 46, 6188-91	16.4	75
190	Time- and Space-Resolved Luminescence of a Photonic Dye-Zeolite Antenna. *Angewandte Chemie - International Edition*, **2001**, 40, 2839-2842	16.4	75
189	Thermally stable luminescent lanthanide complexes in zeolite L. *Microporous and Mesoporous Materials*, **2009**, 121, 1-6	5.3	74
188	Playing with dye molecules at the inner and outer surface of zeolite L. *Solid State Sciences*, **2000**, 2, 421-447	3.4	73
187	Colors of Ag+-Exchanged Zeolite A. *Journal of Physical Chemistry A*, **2000**, 104, 7473-7483	2.8	73

186	The electronic structure of Cu+, Ag+, and Au+ zeolites. *Chemical Society Reviews*, **2003**, 32, 29-37	58.5	70
185	Förster resonance energy transfer in quantum dot-dye-loaded zeolite L nanoassemblies. *Small*, **2011**, 7, 1488-94	11	68
184	Orthogonally Bifunctional Fluorescent Zeolite-L Microcrystals. *Advanced Materials*, **2008**, 20, 1614-1618	24	67
183	Limits of the in Situ Synthesis of Tris(2,2'-bipyridine)ruthenium(II) in the Supercages of Zeolite Y. *Inorganic Chemistry*, **1996**, 35, 3514-3518	5.1	67
182	Sequential functionalization of the channel entrances of zeolite L crystals. *Angewandte Chemie - International Edition*, **2004**, 43, 6738-42	16.4	65
181	Phenoxazine dyes in zeolite L, synthesis and properties. *Microporous and Mesoporous Materials*, **2003**, 65, 233-242	5.3	60
180	Quantum-Sized Silver Sulfide Clusters in Zeolite A. *Journal of Physical Chemistry B*, **1999**, 103, 6397-6399	3.4	60
179	Energy Migration in Dye-Loaded Hexagonal Microporous Crystals. *Journal of Physical Chemistry B*, **1997**, 101, 1396-1408	3.4	58
178	Dye-modified nanochannel materials for photoelectronic and optical devices. *Chemistry - A European Journal*, **2008**, 14, 7442-9	4.8	58
177	Injecting electronic excitation energy into an artificial antenna system through an Ru2+ complex. *Chemistry - A European Journal*, **2004**, 10, 5771-5	4.8	58
176	Excited states of M(II,d6)-4'-phenylterpyridine complexes: electron localization. *The Journal of Physical Chemistry*, **1991**, 95, 7641-7649		57
175	Vibrations of H8Si8O12, D8Si8O12, and H10Si10O15 As Determined by INS, IR, and Raman Experiments. *Journal of Physical Chemistry B*, **1997**, 101, 1171-1179	3.4	56
174	Characterization of Methyl Viologen in the Channels of Zeolite L. *Journal of Physical Chemistry B*, **1999**, 103, 3340-3351	3.4	56
173	Proton activity inside the channels of zeolite L. *Chemistry - A European Journal*, **2007**, 13, 8939-52	4.8	54
172	Energy transfer from dye-zeolite L antenna crystals to bulk silicon. *ChemPhysChem*, **2004**, 5, 239-42	3.2	54
171	The symmetrical octasilasesquioxanes X8Si8O12: electronic structure and reactivity. *Journal of the Chemical Society Dalton Transactions*, **1991**, 917		53
170	Interactions of Perylene Bisimide in the One-Dimensional Channels of Zeolite L. *Journal of Physical Chemistry C*, **2011**, 115, 5974-5988	3.8	52
169	Copper-zeolite-modified electrodes: An intrazeolite ion transport mechanism. *Journal of Electroanalytical Chemistry*, **1994**, 377, 163-175	4.1	52

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167	Electronic Transition Oscillator Strength by the Extended Hueckel Molecular Orbital Method. *The Journal of Physical Chemistry*, **1995**, 99, 12141-12150		51
166	Monolayers of zeolite A containing luminescent silver sulfide clusters. *ChemPhysChem*, **2004**, 5, 1593-6	3.2	48
165	Synthesis and luminescence properties of Ag2S and PbS clusters in zeolite A. *Chemistry - A European Journal*, **2005**, 11, 7191-8	4.8	48
164	Photocatalytic oxidation of water to O2 on AgCl-coated electrodes. *Journal of Photochemistry and Photobiology A: Chemistry*, **1999**, 120, 105-117	4.7	48
163	Transfer of Electronic Excitation Energy between Dye Molecules in the Channels of Zeolite L. *Journal of Physical Chemistry B*, **1998**, 102, 2433-2436	3.4	47
162	Formation of two homo-chromophoric H-aggregates in DNA-assembled alternating dye stacks. *Angewandte Chemie - International Edition*, **2015**, 54, 3643-7	16.4	44
161	Interactions, Behavior, And Stability of Fluorenone inside Zeolite Nanochannels. *Journal of Physical Chemistry C*, **2010**, 114, 10572-10579	3.8	44
160	Vibrational Structure of Monosubstituted Octahydrosilasesquioxanes. *Journal of Physical Chemistry B*, **1997**, 101, 4925-4933	3.4	43
159	Electronic excitation energy migration in a photonic dye--zeolite antenna. *ChemPhysChem*, **2003**, 4, 567-87	3.2	43
158	Efficient and Robust Host□Guest Antenna Composite for Light Harvesting. *Chemistry of Materials*, **2014**, 26, 6878-6885	9.6	42
157	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	3.8	42
156	Host-guest interactions and orientation of dyes in the one-dimensional channels of zeolite L. *Langmuir*, **2013**, 29, 9188-98	4	42
155	Energy Transfer in Fluorescent Nanofibers Embedding Dye-Loaded Zeolite L Crystals. *Advanced Materials*, **2009**, 21, 1146-1150	24	42
154	Multilevel organization in hybrid thin films for optoelectronic applications. *Langmuir*, **2009**, 25, 12019-23	4	42
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149	Förster-type energy transfer along a specified axis. *Angewandte Chemie - International Edition*, **2005**, 44, 5325-9	16.4	39
148	Gold-colloid-modified AgCl photocatalyst for water oxidation to O2. *ChemPhysChem*, **2004**, 5, 720-4	3.2	38
147	Photochemical oxidation of water with thin AgCl layers. *Journal of Photochemistry and Photobiology A: Chemistry*, **1996**, 95, 175-180	4.7	38
146	Monosubstitution von Octa(hydridosilasesquioxan) H8Si8O12 zu R?H7Si8O12 mittels Hydrosilylierung Kurzmitteilung. *Helvetica Chimica Acta*, **1991**, 74, 1278-1280	2	38
145	Artificial Photosynthesis. *Topics in Catalysis*, **2010**, 53, 130-140	2.3	37
144	Assembling micro crystals through cooperative coordinative interactions. *Angewandte Chemie - International Edition*, **2007**, 46, 8898-902	16.4	37
143	Luminescence properties of Ag2S and Ag4S2 in zeolite A. *Journal of Materials Chemistry*, **2003**, 13, 1969-1977		37
142	New Synthetic Route to Polyhedral Organylsilsesquioxanes. *Helvetica Chimica Acta*, **1991**, 74, 24-26	2	37
141	Normal coordinate analysis of H8Si8O12. *Spectrochimica Acta Part A: Molecular Spectroscopy*, **1990**, 46, 1045-1056		36
140	Self-sensitization of photo-oxygen evolution in Ag+ zeolites: computer-controlled experiments. *Journal of Photochemistry and Photobiology*, **1984**, 26, 109-118		36
139	Optical spectroscopy of inorganic–organic host–guest nanocrystals organized as oriented monolayers. *Inorganica Chimica Acta*, **2007**, 360, 869-875	2.7	35
138	Methyl viologen–zeolite electrodes: intrazeolite charge transfer. *Journal of the Chemical Society Chemical Communications*, **1995**, 1313-1314		35
137	The Band Structure of Diamond. *The Journal of Physical Chemistry*, **1996**, 100, 11122-11124		35
136	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	4.7	35
135	Structure of nanochannel entrances in stopcock-functionalized zeolite L composites. *Angewandte Chemie - International Edition*, **2015**, 54, 11112-6	16.4	34
134	Intrazeolite diffusion kinetics of dye molecules in the nanochannels of zeolite L, monitored by energy transfer. *ChemPhysChem*, **2000**, 1, 211-7	3.2	34
133	Towards artificial photosynthesis: Experiments with silver zeolites, part 2. *Coordination Chemistry Reviews*, **1991**, 111, 193-200	23.2	34

132	Supramolecular Organization of Dye Molecules in Zeolite L Channels: Synthesis, Properties, and Composite Materials. *Chemistry - A European Journal*, **2016**, 22, 4046-60	4.8	33
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130	Transfer of electronic excitation energy between randomly mixed dye molecules in the channels of zeolite L. *Journal of Physical Chemistry B*, **2006**, 110, 5633-8	3.4	33
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127	Abfangen und Einspeisen von Energie in Farbstoff-Zeolith-Nanoantennen. *Angewandte Chemie*, **2002**, 114, 2389-2392	3.6	32
126	Resorufin in the Channels of Zeolite L. *Journal of Physical Chemistry B*, **1998**, 102, 2923-2929	3.4	32
125	First-principles simulation of the absorption bands of fluorenone in zeolite L. *Physical Chemistry Chemical Physics*, **2013**, 15, 159-67	3.6	31
124	Photon harvesting by excimer-forming multichromophores. *Chemical Communications*, **2012**, 48, 9589-91	5.8	31
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122	Silver Chloride Clusters and Surface States. *Journal of Physical Chemistry B*, **1999**, 103, 5622-5630	3.4	31
121	Molecular Geometries by the Extended-Hückel Molecular Orbital method II: Hydrocarbons and organic molecules containing O, N, and S. *Helvetica Chimica Acta*, **1993**, 76, 924-951	2	31
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117	Einfluss intramolekularer Bewegungen auf die Fluoreszenzquantenausbeute. *Helvetica Chimica Acta*, **1976**, 59, 1969-1987	2	30
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114	Model calculations on thiocarbonyl systems. *Journal of the Chemical Society Perkin Transactions II*, **1975**, 559		27
113	Fabrication of oriented zeolite L monolayers employing luminescent perylenediimide-bridged silsesquioxane precursor as the covalent linker. *Chemical Communications*, **2007**, 2853-4	5.8	26
112	Light-harvesting host–guest antenna materials for quantum solar energy conversion devices. *Comptes Rendus Chimie*, **2006**, 9, 214-225	2.7	26
111	Structural and vibrational properties of the octanuclear silasesquioxane C6H13(H7Si8O12). *Journal of the Chemical Society Dalton Transactions*, **1994**, 3123-3128		26
110	Separation of the oligomeric silsesquioxanes (HSiO3/2)8–18 by size-exclusion chromatography. *Journal of Chromatography A*, **1990**, 507, 481-486	4.5	26
109	Selbstorganisation lebender Systeme mit funktionalen Nanomaterialien. *Angewandte Chemie*, **2007**, 119, 6301-6304	3.6	25
108	Self-Absorption and Luminescence Quantum Yields of Dye-Zeolite L Composites. *Journal of Physical Chemistry C*, **2013**, 117, 23034-23047	3.8	24
107	Selective functionalization of the external surface of zeolite L. *Comptes Rendus Chimie*, **2005**, 8, 391-398	2.7	24
106	Förster-Type Energy Transfer along a Specified Axis. *Angewandte Chemie*, **2005**, 117, 5459-5463	3.6	24
105	Dye molecules in zeolites as artificial antenna. *Solar Energy Materials and Solar Cells*, **1995**, 38, 175-186	6.4	24
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90	Fabrication of oriented zeolite L monolayer via covalent molecular linkers. *Journal of Solid State Chemistry*, **2008**, 181, 2469-2472	3.3	17
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87	Luminescence quenching by O2 of a Ru2+ complex attached to zeolite L. *ChemPhysChem*, **2006**, 7, 1050-3	3.2	16
86	Eingeschlossene Lanthanoide als lumineszierende Materialien. *Angewandte Chemie*, **2002**, 114, 2607-2608	3.6	16
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84	Correlation of the vibrational structure of H8Si8O12 and H10Si10O15. *Vibrational Spectroscopy*, **1995**, 8, 305-308	2.1	16
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61	Structure of Nanochannel Entrances in Stopcock-Functionalized Zeolite L Composites. *Angewandte Chemie*, **2015**, 127, 11264-11268	3.6	11

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