

# Claude Piguet

## List of Publications by Citations

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16,177  
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#	Paper	IF	Citations
216	Taking advantage of luminescent lanthanide ions. <i>Chemical Society Reviews</i> , <b>2005</b> , 34, 1048-77	58.5	2994
215	Helicates as Versatile Supramolecular Complexes. <i>Chemical Reviews</i> , <b>1997</b> , 97, 2005-2062	68.1	1432
214	Lanthanide-containing molecular and supramolecular polymetallic functional assemblies. <i>Chemical Reviews</i> , <b>2002</b> , 102, 1897-928	68.1	891
213	Mono- and polymetallic lanthanide-containing functional assemblies: a field between tradition and novelty. <i>Chemical Society Reviews</i> , <b>1999</b> , 28, 347-358	58.5	306
212	Self-assembly and photophysical properties of lanthanide dinuclear triple-helical complexes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 8197-8206	16.4	269
211	Strict self-assembly of polymetallic helicates: the concepts behind the semantics. <i>Coordination Chemistry Reviews</i> , <b>2005</b> , 249, 705-726	23.2	243
210	Extending lifetimes of lanthanide-based near-infrared emitters (Nd, Yb) in the millisecond range through Cr(III) sensitization in discrete bimetallic edifices. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15698-9	16.4	230
209	Lanthanide Podates with Predetermined Structural and Photophysical Properties: Strongly Luminescent Self-Assembled Heterodinuclear d <sup>0</sup> Complexes with a Segmental Ligand Containing Heterocyclic Imines and Carboxamide Binding Units. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 6681-6697	16.4	196
208	Visible and Near-Infrared Luminescence of Lanthanide-Containing Dimetallic Triple-Stranded Helicates: Energy Transfer Mechanisms in the Sm(III) and Yb(III) Molecular Edifices. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 1670-1677	2.8	181
207	Lanthanide Helicates Self-Assembled in Water: A New Class of Highly Stable and Luminescent Dimetallic Carboxylates. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 10747-10762	16.4	181
206	Tuning the decay time of lanthanide-based near infrared luminescence from micro- to milliseconds through d <sup>0</sup> ->f energy transfer in discrete heterobimetallic complexes. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 3228-42	4.8	161
205	Paramagnetic Susceptibility by NMR: The "Solvent Correction" Removed for Large Paramagnetic Molecules. <i>Journal of Chemical Education</i> , <b>1997</b> , 74, 815	2.4	146
204	Near-infrared->visible light upconversion in a molecular trinuclear d-f-d complex. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4108-12	16.4	142
203	Molecular control of macroscopic cubic, columnar, and lamellar organizations in luminescent lanthanide-containing thermotropic liquid crystals. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 888-903	16.4	141
202	Self-assembly of double and triple helices controlled by metal ion stereochemical preference. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 7440-7451	16.4	129
201	Self-assembly of dinuclear helical and non-helical complexes with copper(I). <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 4230-4237	16.4	124
200	High-spin iron(II) as a semitransparent partner for tuning europium(III) luminescence in heterodimetallic d-f complexes. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 3014-24	4.8	119

199	Influence of charge-transfer states on the Eu(III) luminescence in mononuclear triple helical complexes with tridentate aromatic ligands. <i>Journal of Luminescence</i> , <b>1999</b> , 82, 69-79	3.8	115
198	The first enantiomerically pure helical noncovalent tripod for assembling nine-coordinate lanthanide(III) podates. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 1840-9	5.1	114
197	Nine-Coordinate Lanthanide Podates with Predetermined Structural and Electronic Properties: Facial Organization of Unsymmetrical Tridentate Binding Units by a Protonated Covalent Tripod. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 9326-9342	16.4	112
196	A Self-Assembling Triple-Helical Co Complex : Synthesis and Structure. <i>Angewandte Chemie International Edition in English</i> , <b>1991</b> , 30, 1490-1492		112
195	Structural and photophysical properties of lanthanide complexes with planar aromatic tridentate nitrogen ligands as luminescent building blocks for triple-helical structures. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 4139-4149	5.1	109
194	Optimizing millisecond time scale near-infrared emission in polynuclear chrome(III)-lanthanide(III) complexes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12675-84	16.4	101
193	Symmetry numbers and statistical factors in self-assembly and multivalency. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 12195-203	3.4	100
192	Luminescent Properties of Lanthanide Nitrate Complexes with Substituted Bis(benzimidazolyl)pyridines. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 1345-1353	5.1	97
191	Design of luminescent building blocks for supramolecular triple-helical lanthanide complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1995</b> , 83-97		97
190	Preparation and crystal structure of the unusual double-helical copper(I) complex bis(2,6-bis(1-methylbenzimidazol-2-yl)pyridine)dicopper(I) naphthalene-1,5-disulfonate. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 2920-2925	5.1	97
189	Self-Assembled Dinuclear Lanthanide Helicates: Substantial Luminescence Enhancement upon Replacing Terminal Benzimidazole Groups by Carboxamide Binding Units. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 577-589	5.1	94
188	Thermotropic lanthanidomesogens. <i>Chemical Communications</i> , <b>2006</b> , 3755-68	5.8	92
187	Self-Assembly of Heteronuclear Supramolecular Helical Complexes with Segmental Ligands. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 9092-9102	16.4	92
186	In Search for Mononuclear Helical Lanthanide Building Blocks with Predetermined Properties: Triple-stranded Helical Complexes with N,N,N',N'-tetraethylpyridine-2,6-dicarboxamide. <i>Chemistry - A European Journal</i> , <b>1997</b> , 3, 1646-1659	4.8	87
185	Supramolecular recognition of heteropairs of lanthanide ions: a step toward self-assembled bifunctional probes. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 515-29	5.1	86
184	Non-covalent lanthanide podates with predetermined physicochemical properties: iron(II) spin-state equilibria in self-assembled heterodinuclear d $\pi$ supramolecular complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 421-434		84
183	Formation of the First Isomeric [2]Catenates by Self-Assembly about Two Different Metal Ions. <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 582-584		82
182	Optical sensitization and upconversion in discrete polynuclear chromium-lanthanide complexes. <i>Coordination Chemistry Reviews</i> , <b>2012</b> , 256, 1644-1663	23.2	79

181	Analysis of paramagnetic NMR spectra of triple-helical lanthanide complexes with 2,6-dipicolinic acid revisited: a new assignment of structural changes and crystal-field effects 25 years later. <i>Inorganic Chemistry</i> , <b>2002</b> , 41, 1436-45	5.1	78
180	Chiral Molecular Ruby [Cr(dqp)] with Long-Lived Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 13244-13252	16.4	76
179	Ion spray-tandem mass spectrometry of supramolecular coordination complexes. <i>Journal of the American Society for Mass Spectrometry</i> , <b>1994</b> , 5, 748-56	3.5	76
178	Structural and Photophysical Properties of Lanthanide Nitrate 1:1 Complexes with planar tridentate nitrogen ligands analogous to 2,2':6',2''-terpyridine. <i>Helvetica Chimica Acta</i> , <b>1992</b> , 75, 1697-1717	17	76
177	Simple thermodynamics for unravelling sophisticated self-assembly processes. <i>Dalton Transactions</i> , <b>2006</b> , 1473-90	4.3	75
176	Self-assembly mechanism of a bimetallic europium triple-stranded helicate. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1541-50	16.4	75
175	Predictions, synthetic strategy, and isolation of a linear tetrametallic triple-stranded lanthanide helicate. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7954-8	16.4	75
174	Optimizing sensitization processes in dinuclear luminescent lanthanide oligomers: selection of rigid aromatic spacers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 16219-34	16.4	73
173	Stability and Size-Discriminating Effects in Mononuclear Lanthanide Triple-Helical Building Blocks with Tridentate Aromatic Ligands. <i>Inorganic Chemistry</i> , <b>1997</b> , 36, 5750-5760	5.1	72
172	The First Self-Assembled Dinuclear Triple-Helical Lanthanide Complex: Synthesis and Structure. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1622-1624		72
171	A kinetically inert and optically active Cr(III) partner in thermodynamically self-assembled heterodimetallic non-covalent dffpodates. <i>Dalton Transactions RSC</i> , <b>2002</b> , 1929		70
170	Structural, Magnetic, and Electrochemical Properties of Dinuclear Triple Helices: Comparison with Their Mononuclear Analogues. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 485-493	4.8	68
169	Isolation and characterization of the first circular single-stranded polymetallic lanthanide-containing helicate. <i>Chemical Communications</i> , <b>2005</b> , 2235-7	5.8	68
168	Bent Tridentate Receptors in Calamitic Mesophases with Predetermined Photophysical Properties: New Luminescent Lanthanide-Containing Materials. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12274-12288	16.4	68
167	Synthesis, structure and resolution of a dinuclear Co(III) triple helix. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 1419		68
166	Ion binding to polyelectrolytes. <i>Current Opinion in Colloid and Interface Science</i> , <b>2006</b> , 11, 280-289	7.6	65
165	Programming heteropolymetallic lanthanide helicates: thermodynamic recognition of different metal ions along the strands. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1091-105	4.8	64
164	Models for Copper-Dioxygen Complexes: The chemistry of copper(II) with some planar tridentate nitrogen ligands. <i>Helvetica Chimica Acta</i> , <b>1989</b> , 72, 323-337	2	64

163	Five thermodynamic descriptors for addressing serendipity in the self-assembly of polynuclear complexes in solution. <i>Chemical Communications</i> , <b>2010</b> , 46, 6209-31	5.8	63
162	Metal-Centered Photoluminescence as a Tool for Detecting Phase Transitions in EuIII- and TbIII-Containing Metallomesogens. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3257-3266	9.6	62
161	Isolated d $f$ pairs in supramolecular complexes with tunable structural and electronic properties. <i>Dalton Transactions RSC</i> , <b>2000</b> , 3999-4006		62
160	Connecting terminal carboxylate groups in nine-coordinate lanthanide podates: consequences on the thermodynamic, structural, electronic, and photophysical properties. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 4680-95	5.1	60
159	Encapsulation of labile trivalent lanthanides into a homobimetallic chromium(III)-containing triple-stranded helicate. Synthesis, characterization, and divergent intramolecular energy transfers. <i>Dalton Transactions</i> , <b>2006</b> , 2647-60	4.3	59
158	Influence of bulky N-substituents on the formation of lanthanide triple helical complexes with a ligand derived from bis(benzimidazole)pyridine: structural and thermodynamic evidence. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 2642-51	5.1	59
157	A simple thermodynamic model for quantitatively addressing cooperativity in multicomponent self-assembly processes--part 1: Theoretical concepts and application to monometallic coordination complexes and bimetallic helicates possessing identical binding sites. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5217-26	4.8	58
156	The first self-assembled trimetallic lanthanide helicates driven by positive cooperativity. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1860-75	4.8	57
155	Discriminating between lanthanide ions: self-assembly of heterodimetallic triple-stranded helicates. <i>Chemical Communications</i> , <b>2002</b> , 214-5	5.8	57
154	Synthesis of Unsubstituted and 4,4'-Substituted Oligobipyridines as Ligand Strands for Helicate Self-Assembly. <i>Helvetica Chimica Acta</i> , <b>1991</b> , 74, 594-610	2	56
153	Trivalent lanthanide ions: versatile coordination centers with unique spectroscopic and magnetic properties. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 303-304, 66-74	5.7	55
152	Helicates and Related Metallosupramolecular Assemblies: Toward Structurally Controlled and Functional Devices. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>1999</b> , 34, 361-391		55
151	Luminescence-detected phase transitions in lanthanide-containing liquid crystals. <i>Chemical Communications</i> , <b>2003</b> , 1226-7	5.8	54
150	Aromatic Bent-Core Liquid Crystals: an Opportunity for Introducing Terdentate Binding Units into Mesophases. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 1075-1090	9.6	54
149	In Search for Mononuclear Helical Lanthanide Building Blocks with Predetermined Properties: Lanthanide Complexes with Diethyl Pyridine-2, 6-Dicarboxylate. <i>Chemistry - A European Journal</i> , <b>1997</b> , 3, 1660-1667	4.8	53
148	Application of Electrospray Mass Spectrometry for Characterizing Supramolecular Coordination Complexes. <i>Helvetica Chimica Acta</i> , <b>1993</b> , 76, 1759-1766	2	53
147	Ruthenium(II) as a novel "labile" partner in thermodynamic self-assembly of heterobimetallic d-f triple-stranded helicates. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 3503-16	4.8	52
146	A simple thermodynamic model for quantitatively addressing cooperativity in multicomponent self-assembly processes--Part 2: Extension to multimetallic helicates possessing different binding sites. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 5227-37	4.8	52

- 145 Unusual electronic effects of electron-withdrawing sulfonamide groups in optically and magnetically active self-assembled noncovalent heterodimetallic d-f podates. *Inorganic Chemistry*, **2000**, 39, 5059-73 5.1 52
- 144 Syntheses of Segmental Heteroleptic Ligands for the Self-Assembly of Heteronuclear Helical Supramolecular Complexes. *Helvetica Chimica Acta*, **1994**, 77, 931-942 2 52
- 143 Complexation of trivalent lanthanides with planar tridentate aromatic ligands tuned by counteranions and steric constraints. *Inorganic Chemistry*, **2009**, 48, 1132-47 5.1 51
- 142 Monometallic lanthanide complexes with tridentate 2,6-dicarboxamidopyridine ligands. Influence of peripheral substitutions on steric congestion and antenna effect. *Dalton Transactions*, **2003**, 3856-3868 4.3 51
- 141 Self-assembly of the first heterodinuclear d<sup>ff</sup> triple helix in solution. *Journal of the Chemical Society Chemical Communications*, **1995**, 491-493 51
- 140 Effective concentration as a tool for quantitatively addressing preorganization in multicomponent assemblies: application to the selective complexation of lanthanide cations. *Journal of the American Chemical Society*, **2008**, 130, 1025-40 16.4 50
- 139 N-Heterocyclic tridentate aromatic ligands bound to [Ln(hexafluoroacetylacetonate)<sub>3</sub>] units: thermodynamic, structural, and luminescent properties. *Chemistry - A European Journal*, **2012**, 18, 7155-68 4.8 48
- 138 A simple thermodynamic model for rationalizing the formation of self-assembled multimetallic edifices: application to triple-stranded helicates. *Journal of the American Chemical Society*, **2004**, 126, 11589-601 16.4 48
- 137 Extended rodlike polyaromatic receptors with bent tridentate units complexed to lanthanide metal ions. *Inorganic Chemistry*, **2000**, 39, 5286-98 5.1 46
- 136 Ein tripelhelicaler Co-Komplex durch Selbstorganisation - Synthese und Struktur. *Angewandte Chemie*, **1991**, 103, 1530-1532 3.6 46
- 135 Taming Lanthanide-Centered Upconversion at the Molecular Level. *Inorganic Chemistry*, **2016**, 55, 9964-9972 9.7 46
- 134 The origin of the surprising stabilities of highly charged self-assembled polymetallic complexes in solution. *Inorganic Chemistry*, **2007**, 46, 3511-22 5.1 45
- 133 Structural and Photophysical Properties of Pseudo-Tricapped Trigonal Prismatic Lanthanide building blocks controlled by zinc(II) in heterodinuclear d<sup>f</sup> complexes. *Helvetica Chimica Acta*, **1995**, 78, 1541-1566 2 44
- 132 Metallomesogens with extended bent tridentate receptors: columnar and cubic mesomorphism tuned by the size of the lanthanide metal ions. *Dalton Transactions*, **2003**, 769-772 4.3 43
- 131 Smaller than a nanoparticle with the design of discrete polynuclear molecular complexes displaying near-infrared to visible upconversion. *Dalton Transactions*, **2015**, 44, 2529-40 4.3 42
- 130 Understanding, controlling and programming cooperativity in self-assembled polynuclear complexes in solution. *Chemistry - A European Journal*, **2009**, 15, 12702-18 4.8 42
- 129 Intermetallic interactions within solvated polynuclear complexes: a misunderstood concept. *Angewandte Chemie - International Edition*, **2010**, 49, 125-8 16.4 42
- 128 Statistical mechanical approach to competitive binding of metal ions to multi-center receptors. *Dalton Transactions*, **2004**, 4096-105 4.3 42

127	Self-assembly of helical supramolecular lanthanide complexes. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 225, 324-330	5.7	42
126	Lanthanide-Assisted Self-Assembly of an Inert, Metal-Containing Nonadentate Tripodal Receptor. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 169-172	16.4	41
125	Self-assembly of the first discrete 3d-4f-4f triple-stranded helicate. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5512-5519	5.1	40
124	Linear polynuclear helicates as a link between discrete supramolecular complexes and programmed infinite polymetallic chains. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 2994-3005	4.8	40
123	Lanthanide triple helical complexes with a chiral ligand derived from 2,6-pyridinedicarboxylic acid. <i>Dalton Transactions RSC</i> , <b>2001</b> , 2655-2662		40
122	Near-Infrared to Visible Light-Upconversion in Molecules: From Dream to Reality. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 26957-26963	3.8	39
121	Lanthanide luminescent mesomorphic complexes with macrocycles derived from diaza-18-crown-6. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 1323	3.6	38
120	CD spectra of d-f heterobimetallic helicates with segmental di-imine ligands. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5302-10	5.1	38
119	Predictions and Assignments of NMR Spectra for Strongly Paramagnetic Supramolecular Lanthanide Complexes: The Effect of the Gadolinium Break. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9304-9305	16.4	38
118	Cobalt(III)/Cobalt(II) Electrochemical Potential Controlled by Steric Constraints in Self-Assembled Dinuclear Triple-Helical Complexes. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 4112-4121	5.1	38
117	Molecular Magnetism and Iron(II) Spin-State Equilibrium as Structural Probes in Heterodinuclear d <sup>6</sup> Complexes. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 1651-1672	2	38
116	Structure, formation, and dynamics of Mo(12) and Mo(16) oxothiomolybdenum rings containing terephthalate derivatives. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 3548-57	4.8	37
115	Tuneable intramolecular intermetallic interactions as a new tool for programming linear heterometallic 4f-4f complexes. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 9312-22	5.1	37
114	The solution structure of supramolecular lanthanide triple helices revisited: application of crystal-field independent paramagnetic NMR techniques to mono- and di-metallic complexes. <i>Dalton Transactions RSC</i> , <b>2000</b> , 2045-2053		37
113	On-Demand Degradation of Metal-Organic Framework Based on Photocleavable Dianthracene-Based Ligand. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10820-10828	16.4	36
112	Evidence of ionic liquid crystal properties for a DODA <sup>+</sup> salt of the keplerate [Mo <sub>132</sub> O <sub>372</sub> (CH <sub>3</sub> COO) <sub>30</sub> (H <sub>2</sub> O) <sub>72</sub> ] <sub>42</sub> . <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 865	3.6	36
111	Rational tuning of melting entropies for designing luminescent lanthanide-containing thermotropic liquid crystals at room temperature. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 8696-713	4.8	36
110	Host-guest adaptability within oxothiomolybdenum wheels: structures, studies in solution and DFT calculations. <i>Dalton Transactions</i> , <b>2007</b> , 3043-54	4.3	36

109	Paramagnetic NMR Lanthanide Induced Shifts for Extracting Solution Structures. <i>Fundamental Theories of Physics</i> , <b>2003</b> , 353-463	0.8	36
108	The first structurally characterized and strongly luminescent self-assembled helical heterodinuclear d $\beta$ complex. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2575-2577		36
107	Synthesis and Electronic Properties of Intensely Coloured Iron(II) complexes with new 4-substituted planar tridentate nitrogen ligands analogous to 2, 2': 6', 2'':terpyridine. <i>Helvetica Chimica Acta</i> , <b>1993</b> , 76, 372-384	2	36
106	The first self-assembled trimetallic lanthanide helicate: different coordination sites in symmetrical molecular architectures. <i>Chemical Communications</i> , <b>2002</b> , 930-1	5.8	34
105	Tuning facial-meridional isomerisation in monometallic nine-co-ordinate lanthanide complexes with unsymmetrical tridentate ligands. <i>Dalton Transactions</i> , <b>2004</b> , 723-33	4.3	33
104	Cr as an alternative to Ru in metallo-supramolecular chemistry. <i>Dalton Transactions</i> , <b>2017</b> , 46, 8992-9009	4.3	32
103	Dimerization of dendrimeric lanthanide complexes: thermodynamic, thermal, and liquid-crystalline properties. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8601-19	5.1	31
102	In search for tuneable intramolecular intermetallic interactions in polynuclear lanthanide complexes. <i>Dalton Transactions</i> , <b>2009</b> , 7625-38	4.3	31
101	Controlling Lanthanide Exchange in Triple-Stranded Helicates: A Way to Optimize Molecular Light-Upconversion. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 14612-14617	16.4	30
100	The first lanthanide-containing helicates self-assembled in water. <i>Chemical Communications</i> , <b>1998</b> , 2347-2348	3.48	30
99	Tuning the polarization along linear polyaromatic strands for rationally inducing mesomorphism in lanthanide nitrate complexes. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 1674-91	4.8	30
98	How to adapt Scatchard plot for graphically addressing cooperativity in multicomponent self-assemblies. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 7783-92	3.4	30
97	Combination of crystal-field dependent and independent paramagnetic NMR hyperfine shift analysis methods for investigating the solution structures of inert self-assembled heterodimetallic d $\beta$ supramolecular complexes. <i>Dalton Transactions RSC</i> , <b>2000</b> , 4587-4600		30
96	Lanthanide triple-stranded helical complexes with a substituted 2,6-pyridinedicarboxylate. <i>Dalton Transactions RSC</i> , <b>2001</b> , 3084-3091		30
95	Erbium complexes as pioneers for implementing linear light-upconversion in molecules. <i>Materials Horizons</i> , <b>2020</b> , 7, 1279-1296	14.4	29
94	Enthalpy-entropy correlations as chemical guides to unravel self-assembly processes. <i>Dalton Transactions</i> , <b>2011</b> , 40, 8059-71	4.3	29
93	Planned failures from the principle of maximum site occupancy in lanthanide helicates. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 1252-65	5.1	29
92	Lanthanide Triple Helical Complexes with a Chiral Bis(benzimidazole)pyridine Derivative. <i>European Journal of Inorganic Chemistry</i> , <b>2002</b> , 2002, 3101-3110	2.3	29



91	A novel extended covalent tripod for assembling nine-coordinate lanthanide(III) podates: a delicate balance between flexibility and rigidity. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1062-74	4.8	29
90	Near-Infrared->Visible Light Upconversion in a Molecular Trinuclear dff Complex. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 4194-4198	3.6	28
89	A water-stable and strongly luminescent self-assembled non-covalent lanthanide podate $\square$ <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1997</b> , 4657-4664		27
88	Structural, Photophysical and Chiro-Optical Properties of Lanthanide Complexes with a Bis(benzimidazole)pyridine-Based Chiral Ligand. <i>European Journal of Inorganic Chemistry</i> , <b>2003</b> , 2003, 4065-4072	2.3	27
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- 1 R ktitelbild: Bright Long-Lived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes (Angew. Chem. 18/2021). *Angewandte Chemie*, **2021**, 133, 10524-10524

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