Carlos Platas-Iglesias

List of Publications by Citations

272 papers	6,491 citations	44 h-index	59 g-index
289 ext. papers	7,276 ext. citations	5 avg, IF	5.88 L-index

#	Paper	IF	Citations
272	Determination of paramagnetic lanthanide(III) concentrations from bulk magnetic susceptibility shifts in NMR spectra. *Magnetic Resonance in Chemistry*, **2001**, 39, 723-726	2.1	165
271	Zeolite GdNaY nanoparticles with very high relaxivity for application as contrast agents in magnetic resonance imaging. *Chemistry - A European Journal*, **2002**, 8, 5121-31	4.8	113
270	Macrocyclic receptor exhibiting unprecedented selectivity for light lanthanides. *Journal of the American Chemical Society*, **2009**, 131, 3331-41	16.4	100
269	Lanthanide chelates containing pyridine units with potential application as contrast agents in magnetic resonance imaging. *Chemistry - A European Journal*, **2004**, 10, 3579-90	4.8	96
268	Synthesis of silver nanoparticles for the dual delivery of doxorubicin and alendronate to cancer cells. *Journal of Materials Chemistry B*, **2015**, 3, 7237-7245	7.3	92
267	Structural and photophysical properties of heterobimetallic 4f-zn iminophenolate cryptates. *Inorganic Chemistry*, **2002**, 41, 5336-49	5.1	88
266	Simultaneous self-assembly of a [2]catenane, a trefoil knot, and a Solomon link from a simple pair of ligands. *Angewandte Chemie - International Edition*, **2013**, 52, 9956-60	16.4	86
265	Multifunctional redox-tuned viologen-based covalent organic polymers. *Journal of Materials Chemistry A*, **2016**, 4, 15361-15369	13	85
264	Understanding the quenching effects of aromatic C-H- and C-D-oscillators in near-IR lanthanoid luminescence. *Journal of the American Chemical Society*, **2012**, 134, 16413-23	16.4	84
263	Pyridine- and phosphonate-containing ligands for stable Ln complexation. Extremely fast water exchange on the Gd(III) chelates. *Inorganic Chemistry*, **2006**, 45, 8719-28	5.1	80
262	Upconverted Photosensitization of Tb Visible Emission by NIR Yb Excitation in Discrete Supramolecular Heteropolynuclear Complexes. *Journal of the American Chemical Society*, **2017**, 139, 1456-1459	16.4	77
261	Supramolecular luminescent lanthanide dimers for fluoride sequestering and sensing. *Angewandte Chemie - International Edition*, **2014**, 53, 7259-63	16.4	77
260	Lanthanide complexes based on a 1,7-diaza-12-crown-4 platform containing picolinate pendants: a new structural entry for the design of magnetic resonance imaging contrast agents. *Inorganic Chemistry*, **2008**, 47, 7840-51	5.1	76
259	Hyperfine coupling constants on inner-sphere water molecules of Gd(III)-based MRI contrast agents. *ChemPhysChem*, **2012**, 13, 3640-50	3.2	72
258	Lanthanide dota-like complexes containing a picolinate pendant: structural entry for the design of Ln(III)-based luminescent probes. *Inorganic Chemistry*, **2011**, 50, 4125-41	5.1	69
257	1H NMR in Solution and Solid State Structural Study of Lanthanide(III) Cryptates. *Inorganic Chemistry*, **1999**, 38, 3190-3199	5.1	68
256	Monopicolinate cyclen and cyclam derivatives for stable copper(II) complexation. *Inorganic Chemistry*, **2012**, 51, 6916-27	5.1	67

255	Room temperature molecular up conversion in solution. *Nature Communications*, **2016**, 7, 11978	17.4	65
254	Lanthanide(III) complexes with a tetrapyridine pendant-armed macrocyclic ligand: 1H NMR structural determination in solution, X-ray diffraction, and density-functional theory calculations. *Inorganic Chemistry*, **2006**, 45, 4484-96	5.1	63
253	Lead(II) thiocyanate complexes with bibracchial lariat ethers: an X-ray and DFT study. *Inorganic Chemistry*, **2005**, 44, 2224-33	5.1	62
252	Positively charged lanthanide complexes with cyclen-based ligands: synthesis, solid-state and solution structure, and fluoride interaction. *Inorganic Chemistry*, **2011**, 50, 12508-21	5.1	60
251	Aqueous complexes for efficient size-based separation of americium from curium. *Inorganic Chemistry*, **2014**, 53, 6003-12	5.1	59
250	Lanthanide(III) complexes with ligands derived from a cyclen framework containing pyridinecarboxylate pendants. The effect of steric hindrance on the hydration number. *Inorganic Chemistry*, **2012**, 51, 2509-21	5.1	58
249	Understanding stability trends along the lanthanide series. *Chemistry - A European Journal*, **2014**, 20, 3974-81	4.8	57
248	1H and 17O NMR relaxometric and computational study on macrocyclic Mn(II) complexes. *Inorganic Chemistry*, **2013**, 52, 3268-79	5.1	57
247	Zn(ii), Cd(ii) and Pb(ii) complexation with pyridinecarboxylate containing ligands. *Dalton Transactions*, **2008**, 5754-65	4.3	56
246	Macrocyclic receptor showing extremely high Sr(II)/Ca(II) and Pb(II)/Ca(II) selectivities with potential application in chelation treatment of metal intoxication. *Inorganic Chemistry*, **2011**, 50, 3772-84	5.1	52
245	Solution structure and dynamics, stability, and NIR emission properties of lanthanide complexes with a carboxylated bispyrazolylpyridyl ligand. *Inorganic Chemistry*, **2009**, 48, 1507-18	5.1	52
244	An NMR and DFT investigation on the conformational properties of lanthanide(III) 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetate analogues containing methylenephosphonate pendant arms. *Inorganic Chemistry*, **2010**, 49, 4370-82	5.1	51
243	Stability, water exchange, and anion binding studies on lanthanide(III) complexes with a macrocyclic ligand based on 1,7-diaza-12-crown-4: extremely fast water exchange on the Gd3+ complex. *Inorganic Chemistry*, **2009**, 48, 8878-89	5.1	51
242	Synthesis of new self-assembled PdII and PtII rectangular metallomacrocycles: a comparative study of their inclusion complexes. *Chemistry - A European Journal*, **2007**, 13, 8572-82	4.8	51
241	Structural characterisation, EPR and magnetic properties of f□ and f□ lanthanide(III) phenolic cryptates. *Dalton Transactions RSC*, **2002**, 4658		51
240	Electronic structure study of seven-coordinate first-row transition metal complexes derived from 1,10-diaza-15-crown-5: a successful marriage of theory with experiment. *Inorganic Chemistry*, **2005**, 44, 9704-13	5.1	50
239	Stable Mn(2+), Cu(2+) and Ln(3+) complexes with cyclen-based ligands functionalized with picolinate pendant arms. *Dalton Transactions*, **2015**, 44, 5017-31	4.3	49
238	Lone-pair activity in lead(II) complexes with unsymmetrical lariat ethers. *Inorganic Chemistry*, **2006**, 45, 5407-16	5.1	48

237	Molecular Upconversion in Water in Heteropolynuclear Supramolecular Tb/Yb Assemblies. *Journal of the American Chemical Society*, **2019**, 141, 1568-1576	16.4	48
236	Toward the Prediction of Water Exchange Rates in Magnetic Resonance Imaging Contrast Agents: A Density Functional Theory Study. *Journal of Physical Chemistry A*, **2015**, 119, 6436-45	2.8	47
235	The Solution Structure and Dynamics of MRI Probes Based on Lanthanide(III) DOTA as Investigated by DFT and NMR Spectroscopy. *European Journal of Inorganic Chemistry*, **2012**, 2012, 2023-2033	2.3	46
234	[C-H anion] interactions mediate the templation and anion binding properties of topologically non-trivial metal-organic structures in aqueous solutions. *Chemical Science*, **2016**, 7, 2524-2531	9.4	45
233	Density functional dependence of molecular geometries in lanthanide(III) complexes relevant to bioanalytical and biomedical applications. *Computational and Theoretical Chemistry*, **2012**, 999, 93-104	2	45
232	Tuning the coordination sphere around highly luminescent lanthanide complexes. *Inorganic Chemistry*, **2008**, 47, 3748-62	5.1	45
231	Mono- and bimetallic lanthanide(III) phenolic cryptates obtained by template reaction: solid state structure, photophysical properties and relaxivity. *Dalton Transactions RSC*, **2000**, 611-618		45
230	Mn(II) compounds as an alternative to Gd-based MRI probes. *Future Medicinal Chemistry*, **2019**, 11, 1461-1483	4.8	44
229	Lanthanide(III) complexes with a reinforced cyclam ligand show unprecedented kinetic inertness. *Journal of the American Chemical Society*, **2014**, 136, 17954-7	16.4	44
228	Lead(II) complexes with macrocyclic receptors derived from 4,13-diaza-18-crown-6. *Inorganic Chemistry*, **2002**, 41, 4337-47	5.1	44
227	17 O and 1H relaxometric and DFT study of hyperfine coupling constants in [Mn(H2O)6]2+. *RSC Advances*, **2014**, 4, 7094	3.7	43
226	Regioselective catenation of dinuclear palladium and platinum metallocycles promoted by pi...pi interactions. *Inorganic Chemistry*, **2009**, 48, 4098-107	5.1	43
225	Towards Fluoride Sensing with Positively Charged Lanthanide Complexes. *European Journal of Inorganic Chemistry*, **2010**, 2010, 2735-2745	2.3	43
224	The structure of the lanthanide aquo ions in solution as studied by 17O NMR spectroscopy and DFT calculations. *Dalton Transactions*, **2008**, 602-7	4.3	43
223	Picolinate-containing macrocyclic Mn2+ complexes as potential MRI contrast agents. *Inorganic Chemistry*, **2014**, 53, 5136-49	5.1	42
222	Monopicolinate-dipicolyl derivative of triazacyclononane for stable complexation of Cu2+ and 64Cu2+. *Inorganic Chemistry*, **2013**, 52, 5246-59	5.1	42
221	Self-assembly of 1:2 inclusion complexes between a metallocycle host and dihydroxyaromatic guests: a redox controlled complexation process. *Organic Letters*, **2008**, 10, 409-12	6.2	42
220	Pyridine and phosphonate containing ligands for stable lanthanide complexation. An experimental and theoretical study to assess the solution structure. *Dalton Transactions*, **2006**, 5404-15	4.3	42

219	Magnetic Anisotropies in Rhombic Lanthanide(III) Complexes Do Not Conform to Bleaney's Theory. *Inorganic Chemistry*, **2016**, 55, 3490-7	5.1	41
218	Applications of Density Functional Theory (DFT) to Investigate the Structural, Spectroscopic and Magnetic Properties of Lanthanide(III) Complexes. *Current Inorganic Chemistry*, **2011**, 1, 91-116		41
217	Monopicolinate cross-bridged cyclam combining very fast complexation with very high stability and inertness of its copper(II) complex. *Inorganic Chemistry*, **2014**, 53, 5269-79	5.1	40
216	Hyperfine coupling constants on inner-sphere water molecules of a triazacyclononane-based Mn(II) complex and related systems relevant as MRI contrast agents. *Inorganic Chemistry*, **2013**, 52, 11173-84	5.1	39
215	The highest water exchange rate ever measured for a Gd(III) chelate. *Chemical Communications*, **2005**, 4729-31	5.8	39
214	Structural and photophysical properties of lathanide(III) complexes with a novel octadentate iminophenolate bibracchial lariat ether. *Inorganic Chemistry*, **2005**, 44, 4254-62	5.1	39
213	Seven-coordination versus six-coordination in divalent first-row transition-metal complexes derived from 1,10-diaza-15-crown-5. *Inorganic Chemistry*, **2007**, 46, 8271-82	5.1	38
212	Diimidazolium Halobismuthates [Dim][BiX] (X = Cl, Br, or I): A New Class of Thermochromic and Photoluminescent Materials. *Inorganic Chemistry*, **2018**, 57, 7655-7664	5.1	37
211	Solution structure of Ln(III) complexes with macrocyclic ligands through theoretical evaluation of 1H NMR contact shifts. *Inorganic Chemistry*, **2012**, 51, 13419-29	5.1	36
210	A schiff-base bibracchial lariat ether forming a cryptand-like cavity for lanthanide ions. *Inorganic Chemistry*, **2003**, 42, 6946-54	5.1	36
209	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. *Inorganic Chemistry*, **2020**, 59, 6648-6678	5.1	35
208	Dual-frequency calcium-responsive MRI agents. *Chemistry - A European Journal*, **2014**, 20, 7351-62	4.8	35
207	Definition of an intramolecular Eu-to-Eu energy transfer within a discrete [Eu2L] complex in solution. *Chemistry - A European Journal*, **2012**, 18, 8163-73	4.8	35
206	Expanding the cavity size: preparation of 2:1 inclusion complexes based on dinuclear square metallocycles. *Journal of Organic Chemistry*, **2009**, 74, 6577-83	4.2	35
205	Investigating the Complexation of the Pb(2+)/Bi(3+) Pair with Dipicolinate Cyclen Ligands. *Inorganic Chemistry*, **2015**, 54, 7045-57	5.1	34
204	Nonmacrocyclic luminescent lanthanide complexes stable in biological media. *Inorganic Chemistry*, **2011**, 50, 1689-97	5.1	34
203	Characterisation of magnetic resonance imaging (MRI) contrast agents using NMR relaxometry. *Molecular Physics*, **2019**, 117, 898-909	1.7	34
202	Stabilizing divalent europium in aqueous solution using size-discrimination and electrostatic effects. *Inorganic Chemistry*, **2015**, 54, 4940-52	5.1	33

201	Mono-, bi-, and trinuclear bis-hydrated Mn(2+) complexes as potential MRI contrast agents. *Inorganic Chemistry*, **2015**, 54, 9576-87	5.1	33
200	Intramolecular redox-induced dimerization in a viologen dendrimer. *Journal of Materials Chemistry C*, **2013**, 1, 2302	7.1	33
199	H4octapa: highly stable complexation of lanthanide(III) ions and copper(II). *Inorganic Chemistry*, **2015**, 54, 2345-56	5.1	33
198	17O NMR and density functional theory study of the dynamics of the carboxylate groups in DOTA complexes of lanthanides in aqueous solution. *Inorganic Chemistry*, **2012**, 51, 170-8	5.1	33
197	Eight-coordinate Zn(II), Cd(II), and Pb(II) complexes based on a 1,7-diaza-12-crown-4 platform endowed with a remarkable selectivity over Ca(II). *Inorganic Chemistry*, **2009**, 48, 11821-31	5.1	33
196	Toward theranostic nanoparticles: CB[7]-functionalized iron oxide for drug delivery and MRI. *Journal of Materials Chemistry B*, **2013**, 1, 5076-5082	7.3	32
195	Developing the family of picolinate ligands for Mn complexation. *Dalton Transactions*, **2017**, 46, 1546-1558	4.5	31
194	New self-assembled dinuclear Pd(II) and Pt(II) metallomacrocycles of a 4,4?-bipyridin-1-ium ligand with an inner cavity. *Tetrahedron Letters*, **2006**, 47, 3119-3122	2	30
193	Templating Schiff-base lateral macrobicycles: an experimental and theoretical structural study of the intermediates. *Inorganic Chemistry*, **2003**, 42, 4299-307	5.1	30
192	Lanthanide triple-stranded helical complexes with a substituted 2,6-pyridinedicarboxylate. *Dalton Transactions RSC*, **2001**, 3084-3091		30
191	The template synthesis and X-ray crystal structure of the first dinuclear lanthanide(III) iminophenolate cryptate. *Chemical Communications*, **1999**, 125-126	5.8	30
190	Lanthanide complexes based on a diazapyridinophane platform containing picolinate pendants. *Inorganic Chemistry*, **2012**, 51, 10893-903	5.1	29
189	Molecular recognition of sialic acid by lanthanide(III) complexes through cooperative two-site binding. *Inorganic Chemistry*, **2010**, 49, 4212-23	5.1	29
188	Stability, structure and dynamics of cationic lanthanide(III) complexes of N,N?-bis(propylamide)ethylenediamine-N,N?-diacetic acid. *Dalton Transactions*, **2003**, 727-737	4.3	29
187	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. *Coordination Chemistry Reviews*, **2020**, 406, 213146	23.2	29
186	Structure and Dynamics of Lanthanide(III) Complexes with an N-Alkylated do3a Ligand (H3do3a = 1,4,7,10-Tetraazacyclododecane-1,4,7-triacetic Acid): A Combined Experimental and DFT Study. *European Journal of Inorganic Chemistry*, **2010**, 2010, 3586-3595	2.3	28
185	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. *Angewandte Chemie - International Edition*, **2018**, 57, 9921-9924	16.4	27
184	Reasons behind the relative abundances of heptacoordinate complexes along the late first-row transition metal series. *Inorganic Chemistry*, **2014**, 53, 12859-69	5.1	27

183	Cooperative anion recognition in copper(II) and zinc(II) complexes with a ditopic tripodal ligand containing a urea group. *Inorganic Chemistry*, **2014**, 53, 2554-68	5.1	27
182	A bis(pyridine N-oxide) analogue of DOTA: relaxometric properties of the Gd(III) complex and efficient sensitization of visible and NIR-emitting lanthanide(III) cations including Pr(III) and Ho(III). *Chemistry - A European Journal*, **2014**, 20, 14834-45	4.8	27
181	Lower ligand denticity leading to improved thermodynamic and kinetic stability of the Gd3+ complex: the strange case of OBETA. *Chemistry - A European Journal*, **2012**, 18, 7680-5	4.8	27
180	Approaching the Kinetic Inertness of Macrocyclic Gadolinium(III)-Based MRI Contrast Agents with Highly Rigid Open-Chain Derivatives. *Chemistry - A European Journal*, **2016**, 22, 896-901	4.8	27
179	Gd(3+)-Based Magnetic Resonance Imaging Contrast Agent Responsive to Zn(2+). *Inorganic Chemistry*, **2015**, 54, 10342-50	5.1	26
178	Highly relaxing gadolinium based MRI contrast agents responsive to Mg2+ sensing. *Chemical Communications*, **2012**, 48, 4085-7	5.8	26
177	The effect of ring size variation on the structure and stability of lanthanide(III) complexes with crown ethers containing picolinate pendants. *Dalton Transactions*, **2011**, 40, 384-92	4.3	26
176	Full control of the regiospecific N-functionalization of C-functionalized cyclam bisaminal derivatives and application to the synthesis of their TETA, TE2A, and CB-TE2A analogues. *Journal of Organic Chemistry*, **2014**, 79, 1885-99	4.2	25
175	Lanthanide Complexes with Heteroditopic Ligands as Fluorescent Zinc Sensors. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1072-1081	2.3	25
174	A hexaaza macrocyclic ligand containing acetohydrazide pendants for Ln(III) complexation in aqueous solution. Solid-state and solution structures and DFT calculations. *Dalton Transactions*, **2008**, 3841-50	4.3	25
173	Expanding the Family of Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. *Inorganic Chemistry*, **2018**, 57, 6932-6945	5.1	25
172	Lower denticity leading to higher stability: structural and solution studies of Ln(III)-OBETA complexes. *Inorganic Chemistry*, **2014**, 53, 12499-511	5.1	24
171	High relaxivity Mn(2+)-based MRI contrast agents. *Chemistry - A European Journal*, **2014**, 20, 17300-5	4.8	24
170	Towards Selective Recognition of Sialic Acid Through Simultaneous Binding to Its cis-Diol and Carboxylate Functions. *European Journal of Organic Chemistry*, **2010**, 2010, 3237-3248	3.2	24
169	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. *Dalton Transactions*, **2019**, 48, 11161-11180	4.3	23
168	Taking the next step toward inert Mn2+ complexes of open-chain ligands: the case of the rigid PhDTA ligand. *New Journal of Chemistry*, **2018**, 42, 8001-8011	3.6	23
167	HEMe-do2pa: an attractive chelator with fast, stable and inert (nat)Bi□+ and □□Bi□+ complexation for potential □radioimmunotherapy applications. *Chemical Communications*, **2014**, 50, 12371-4	5.8	23
166	Radical-cation dimerization overwhelms inclusion in [N]pseudorotaxanes. *Chemistry - A European Journal*, **2014**, 20, 7334-44	4.8	23

165	Stereoselective self-assembly of atropoisomeric Pd(II) metallocycles induced by an aromatic guest. *Chemical Communications*, **2008**, 2879-81	5.8	23
164	Effect of a halogenide substituent on the stability and photophysical properties of lanthanide triple-stranded helicates with ditopic ligands derived from bis(benzimidazolyl)pyridine. *Dalton Transactions RSC*, **2000**, 2031-2043		23
163	Ln2M complexes (M = Ru, Re) derived from a bismacrocyclic ligand containing a 4,4'-dimethyl-2,2'-bipyridyl bridging unit. *Dalton Transactions*, **2013**, 42, 3667-81	4.3	22
162	Metal Organic Self-Assembled Trefoil Knots for CBr Bond Activation. *ACS Catalysis*, **2019**, 9, 1907-1914	13.1	22
161	Structural study of Ga(III), In(III), and Fe(III) complexes of triaza-macrocycle based ligands with N3S3 donor set. *Inorganic Chemistry*, **2009**, 48, 3257-67	5.1	21
160	Metal Ion Complementarity: Effect of Ring-Size Variation on the Conformation and Stability of Lead(II) and Cadmium(II) Complexes with Pendant-Armed Crowns. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2198-2207	2.3	21
159	Complexation of Ln(3+) Ions with Cyclam Dipicolinates: A Small Bridge that Makes Huge Differences in Structure, Equilibrium, and Kinetic Properties. *Inorganic Chemistry*, **2016**, 55, 2227-39	5.1	20
158	Importance of outer-sphere and aggregation phenomena in the relaxation properties of phosphonated gadolinium complexes with potential applications as MRI contrast agents. *Chemistry - A European Journal*, **2015**, 21, 6535-46	4.8	20
157	Selective chelation of Cd(II) and Pb(II) versus Ca(II) and Zn(II) by using octadentate ligands containing pyridinecarboxylate and pyridyl pendants. *Inorganic Chemistry*, **2009**, 48, 10976-87	5.1	20
156	Protonated macrobicyclic hosts containing pyridine head units for anion recognition. *Chemistry - A European Journal*, **2008**, 14, 5829-38	4.8	20
155	Lateral macrobicyclic architectures: toward new lead(II) sequestering agents. *Inorganic Chemistry*, **2005**, 44, 5428-36	5.1	20
154	Optimising the relaxivities of Mn complexes by targeting human serum albumin (HSA). *Dalton Transactions*, **2017**, 46, 8494-8504	4.3	20
153	Breaking the Barrier to Slow Water Exchange Rates for Optimal Magnetic Resonance Detection of paraCEST Agents. *Inorganic Chemistry*, **2016**, 55, 3007-14	5.1	20
152	The role of ligand to metal charge-transfer states on the luminescence of Europium complexes with 18-membered macrocyclic ligands. *Dalton Transactions*, **2019**, 48, 4035-4045	4.3	20
151	Selective growth inhibition of cancer cells with doxorubicin-loaded CB[7]-modified iron-oxide nanoparticles. *RSC Advances*, **2017**, 7, 23827-23834	3.7	19
150	Enantiomeric Recognition of d- and l-Lactate by CEST with the Aid of a Paramagnetic Shift Reagent. *Journal of the American Chemical Society*, **2017**, 139, 17431-17437	16.4	19
149	Paramagnetic lanthanide chelates for multicontrast MRI. *Chemical Communications*, **2016**, 52, 9224-7	5.8	19
148	Stable and Inert Yttrium(III) Complexes with Pyclen-Based Ligands Bearing Pendant Picolinate Arms: Toward New Pharmaceuticals for -Radiotherapy. *Inorganic Chemistry*, **2018**, 57, 2051-2063	5.1	18

147	A combined NMR and DFT study of conformational dynamics in lanthanide complexes of macrocyclic DOTA-like ligands. *Physical Chemistry Chemical Physics*, **2017**, 19, 26662-26671	3.6	18
146	The role of the capping bond effect on pyclen Y/Y chelates: full control of the regiospecific N-functionalization makes the difference. *Chemical Communications*, **2017**, 53, 9534-9537	5.8	18
145	Lanthanide(III) complexation with an amide derived pyridinophane. *Inorganic Chemistry*, **2015**, 54, 1671-83	5.1	18
144	Luminescence properties of heterodinuclear Pt-Eu complexes from unusual nonadentate ligands. *Dalton Transactions*, **2009**, 5688-700	4.3	18
143	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. *Inorganic Chemistry*, **2019**, 58, 3732-3743	5.1	17
142	Improving the stability and inertness of Cu(ii) and Cu(i) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. *Dalton Transactions*, **2016**, 45, 7406-20	4.3	17
141	Self-aggregated dinuclear lanthanide(III) complexes as potential bimodal probes for magnetic resonance and optical imaging. *Chemistry - A European Journal*, **2013**, 19, 11696-706	4.8	17
140	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. *Chemistry - A European Journal*, **2017**, 23, 1110-1117	4.8	17
139	Catechol versus bisphosphonate ligand exchange at the surface of iron oxide nanoparticles: towards multi-functionalization. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	17
138	A Coordination Chemistry Approach to Fine-Tune the Physicochemical Parameters of Lanthanide Complexes Relevant to Medical Applications. *Chemistry - A European Journal*, **2018**, 24, 3127-3131	4.8	17
137	Coordination Properties of GdDO3A-Based Model Compounds of Bioresponsive MRI Contrast Agents. *Inorganic Chemistry*, **2018**, 57, 5973-5986	5.1	16
136	Morphological Diversity in Nanoporous Covalent Organic Materials Derived from Viologen and Pyrene. *ChemNanoMat*, **2018**, 4, 61-65	3.5	16
135	Supramolecular Luminescent Lanthanide Dimers for Fluoride Sequestering and Sensing. *Angewandte Chemie*, **2014**, 126, 7387-7391	3.6	16
134	Macrocyclic Gd(3+) complexes with pendant crown ethers designed for binding zwitterionic neurotransmitters. *Chemistry - A European Journal*, **2015**, 21, 11226-37	4.8	16
133	Ditopic receptors containing urea groups for solvent extraction of Cu(ii) salts. *Dalton Transactions*, **2017**, 46, 3192-3206	4.3	15
132	Spectrally Undiscerned Isomers Might Lead to Erroneous Determination of Water Exchange Rates of paraCEST Eu(III) Agents. *Inorganic Chemistry*, **2017**, 56, 7737-7745	5.1	15
131	Dynamic stereoisomerization in inherently chiral bimetallic [2]catenanes. *Chemical Communications*, **2015**, 51, 5840-3	5.8	15
130	Magnetic Anisotropy in Functionalized Bipyridyl Cryptates. *Inorganic Chemistry*, **2016**, 55, 5549-57	5.1	15

129	Dynamic formation of self-organized corner-connected square metallocycles by stoichiometric control. *Chemical Communications*, **2010**, 46, 6672-4	5.8	15
128	Macrocyclic Receptor Showing Improved PbII/ZnII and PbII/CaII Selectivities. *European Journal of Inorganic Chemistry*, **2010**, 2010, 2495-2503	2.3	15
127	Effect of Protonation and Interaction with Anions on a Lead(II) Complex with a Lateral Macrobicycle Containing a Phenol Schiff-Base Spacer. *European Journal of Inorganic Chemistry*, **2007**, 2007, 1635-1643	2.3	15
126	Lanthanide Complexes with H paraCEST and F Response for Magnetic Resonance Imaging Applications. *Inorganic Chemistry*, **2019**, 58, 7571-7583	5.1	14
125	Reinforced Ni(ii)-cyclam derivatives as dual H/F MRI probes. *Chemical Communications*, **2019**, 55, 4115-4118	5.8	14
124	AMPED: a new platform for picolinate based luminescent lanthanide chelates. *Dalton Transactions*, **2015**, 44, 7654-61	4.3	14
123	Exceptionally Inert Lanthanide(III) PARACEST MRI Contrast Agents Based on an 18-Membered Macrocyclic Platform. *Chemistry - A European Journal*, **2015**, 21, 18662-70	4.8	14
122	Post-synthetic modifications of cadmium-based knots and links. *Chemical Communications*, **2016**, 52, 7398-401	5.8	14
121	Unexpected Changes in the Population of Coordination Isomers for the Lanthanide Ion Complexes of DOTMA-Tetraglycinate. *Inorganic Chemistry*, **2016**, 55, 9297-305	5.1	14
120	Pyclen Tri-n-butylphosphonate Ester as Potential Chelator for Targeted Radiotherapy: From Yttrium(III) Complexation to (90)Y Radiolabeling. *Inorganic Chemistry*, **2016**, 55, 8003-12	5.1	14
119	Transient versus Static Electron Spin Relaxation in Mn(2+) Complexes Relevant as MRI Contrast Agents. *Journal of Physical Chemistry A*, **2016**, 120, 6467-76	2.8	14
118	Remarkable differences and similarities between the isomeric Mn(II)-cis- and trans-1,2-diaminocyclohexane-N,N,N?,N?-tetraacetate complexes. *Inorganica Chimica Acta*, **2018**, 472, 254-263	2.7	14
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