Carlos Platas-Iglesias

List of Publications by Year in Descending Order

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	Exploiting the Fluxionality of Lanthanide Complexes in the Design of Paramagnetic Fluorine Probes.. *Inorganic Chemistry*, **2022**, 61, 4130-4142	5.1	2
271	Rigidified Derivative of the Non-macrocyclic Ligand HOCTAPA for Stable Lanthanide(III) Complexation.. *Inorganic Chemistry*, **2022**,	5.1	3
270	Prediction of Gd(III) complex thermodynamic stability. *Coordination Chemistry Reviews*, **2022**, 467, 214606	23.2	1
269	Zeolitic imidazolate framework (AMCD-ZIF) functionalised membrane for the removal of dyes from water. *Journal of Environmental Chemical Engineering*, **2022**, 108019	6.8	1
268	Importance of ligand design in lanthanide azamacrocyclic complexes relevant to biomedical applications. *Fundamental Theories of Physics*, **2022**,	0.8	
267	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. *Angewandte Chemie - International Edition*, **2021**,	16.4	6
266	Rigid versions of PDTA incorporating a 1,3-diaminocyclobutyl spacer for Mn complexation: stability, water exchange dynamics and relaxivity. *Dalton Transactions*, **2021**, 50, 16290-16303	4.3	0
265	Understanding the Effect of the Electron Spin Relaxation on the Relaxivities of Mn(II) Complexes with Triazacyclononane Derivatives. *Inorganic Chemistry*, **2021**, 60, 15055-15068	5.1	1
264	Complexation of Mn(II) by Rigid Pyclen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. *Inorganic Chemistry*, **2021**, 60, 1133-1148	5.1	12
263	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. *Molecules*, **2021**, 26,	4.8	2
262	Electronic Structure of Ytterbium(III) Solvates-a Combined Spectroscopic and Theoretical Study. *Inorganic Chemistry*, **2021**, 60, 7453-7464	5.1	7
261	Complexation of -Functionalized Cyclams with Copper(II) and Zinc(II): Similarities and Changes When Compared to Parent Cyclam Analogues. *Inorganic Chemistry*, **2021**, 60, 10857-10872	5.1	0
260	Paramagnetic chemical exchange saturation transfer agents and their perspectives for application in magnetic resonance imaging. *International Reviews in Physical Chemistry*, **2021**, 40, 51-79	7	4
259	Viologen-cucurbituril host/guest chemistry - redox control of dimerization inclusion.. *RSC Advances*, **2021**, 11, 29543-29554	3.7	1
258	Defining the conditions for the development of the emerging class of Fe-based MRI contrast agents. *Chemical Science*, **2021**, 12, 11138-11145	9.4	8
257	Lanthanide(III) Complexes Based on an 18-Membered Macrocycle Containing Acetamide Pendants. Structural Characterization and paraCEST Properties. *Inorganic Chemistry*, **2021**, 60, 1902-1914	5.1	1
256	Stability, relaxometric and computational studies on Mn complexes with ligands containing a cyclobutane scaffold. *Dalton Transactions*, **2021**, 50, 1076-1085	4.3	2

255	Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Gadolinium Complexation. *Inorganic Chemistry*, **2021**, 60, 2390-2405	5.1	4
254	Scrutinising the role of intramolecular hydrogen bonding in water exchange dynamics of Gd(III) complexes. *Dalton Transactions*, **2021**, 50, 5506-5518	4.3	2
253	Bifunctional Paramagnetic and Luminescent Clays Obtained by Incorporation of Gd and Eu Ions in the Saponite Framework. *Inorganic Chemistry*, **2021**, 60, 10749-10756	5.1	1
252	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. *Journal of Inorganic Biochemistry*, **2021**, 224, 111579	4.2	5
251	Thiosemicarbazone modified zeolitic imidazolate framework (TSC-ZIF) for mercury(ii) removal from water.. *RSC Advances*, **2021**, 11, 16192-16199	3.7	2
250	Surprising Complexity of the [Gd(AAZTA)(HO)] Chelate Revealed by NMR in the Frequency and Time Domains. *Inorganic Chemistry*, **2021**,	5.1	1
249	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. *Inorganic Chemistry*, **2020**, 59, 6648-6678	5.1	35
248	Europium(III) Macrocyclic Chelates Appended with Tyrosine-based Chromophores and Di-(2-picolyl)amine-based Receptors: Turn-On Luminescent Chemosensors Selective to Zinc(II) Ions. *ChemPlusChem*, **2020**, 85, 796	2.8	
247	Macrocyclic Pyclen-Based Gd Complex with High Relaxivity and pH Response. *Inorganic Chemistry*, **2020**, 59, 7306-7317	5.1	3
246	Ferric nitrosylated myoglobin catalyzes peroxynitrite scavenging. *Journal of Biological Inorganic Chemistry*, **2020**, 25, 361-370	3.7	4
245	Europium(III) Macrocyclic Chelates Appended with Tyrosine-based Chromophores and Di-(2-picolyl)amine-based Receptors: Turn-On Luminescent Chemosensors Selective to Zinc(II) Ions. *ChemPlusChem*, **2020**, 85, 806-814	2.8	4
244	Axial Ligation in Ytterbium(III) DOTAM Complexes Rationalized with Multireference and Ligand-Field ab Initio Calculations. *Journal of Physical Chemistry A*, **2020**, 124, 1362-1371	2.8	5
243	Circularly polarized luminescence of enantiopure carboline-based europium cryptates under visible light excitation. *Journal of Rare Earths*, **2020**, 38, 564-570	3.7	3
242	pH-Dependent Hydration Change in a Gd-Based MRI Contrast Agent with a Phosphonated Ligand. *Chemistry - A European Journal*, **2020**, 26, 5407-5418	4.8	3
241	Unexpected Trends in the Stability and Dissociation Kinetics of Lanthanide(III) Complexes with Cyclen-Based Ligands across the Lanthanide Series. *Inorganic Chemistry*, **2020**, 59, 8184-8195	5.1	11
240	Inert macrocyclic Eu3+ complex with affirmative paraCEST features. *Inorganic Chemistry Frontiers*, **2020**, 7, 2274-2286	6.8	3
239	Hydrothermal synthesis of six new lanthanides coordination polymers based on 1-H-benzimidazole-5-carboxylic acid: Structure, Hirshfeld analysis, thermal and spectroscopic properties. *Inorganica Chimica Acta*, **2020**, 510, 119740	2.7	2
238	Ditopic binuclear copper(II) complexes for DNA cleavage. *Journal of Inorganic Biochemistry*, **2020**, 205, 110995	4.2	0

237	Combined NMR, DFT and X-ray studies highlight structural and hydration changes of [Ln(AAZTA)]□ complexes across the series. *Inorganic Chemistry Frontiers*, **2020**, 7, 795-803	6.8	10
236	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. *Coordination Chemistry Reviews*, **2020**, 406, 213146	23.2	29
235	Expanding the Scope of Pyclen-Picolinate Lanthanide Chelates to Potential Theranostic Applications. *Inorganic Chemistry*, **2020**, 59, 11736-11748	5.1	4
234	Mn Complexes Containing Sulfonamide Groups with pH-Responsive Relaxivity. *Inorganic Chemistry*, **2020**, 59, 14306-14317	5.1	5
233	Mn(II) compounds as an alternative to Gd-based MRI probes. *Future Medicinal Chemistry*, **2019**, 11, 1461-1483	4.8	44
232	Gadolinium Complexes of Highly Rigid, Open-Chain Ligands Containing a Cyclobutane Ring in the Backbone: Decreasing Ligand Denticity Might Enhance Kinetic Inertness. *Inorganic Chemistry*, **2019**, 58, 13170-13183	5.1	6
231	Electronic versus steric control in palladium complexes of carboranyl phosphine-iminophosphorane ligands. *Dalton Transactions*, **2019**, 48, 486-503	4.3	1
230	A pentadentate member of the picolinate family for Mn(ii) complexation and an amphiphilic derivative. *Dalton Transactions*, **2019**, 48, 696-710	4.3	6
229	Methylthiazolyl Tacn Ligands for Copper Complexation and Their Bifunctional Chelating Agent Derivatives for Bioconjugation and Copper-64 Radiolabeling: An Example with Bombesin. *Inorganic Chemistry*, **2019**, 58, 2669-2685	5.1	8
228	Gadolinium(III)-Based Dual H/ F Magnetic Resonance Imaging Probes. *Chemistry - A European Journal*, **2019**, 25, 4782-4792	4.8	11
227	Accelerating water exchange in Gd-DO3A-derivatives by favouring the dissociative mechanism through hydrogen bonding. *Chemical Communications*, **2019**, 55, 513-516	5.8	13
226	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. *Dalton Transactions*, **2019**, 48, 11161-11180	4.3	23
225	Phosphate and polyphosphate anion recognition by a dinuclear copper(ii) complex of an unsymmetrical squaramide. *Dalton Transactions*, **2019**, 48, 10104-10115	4.3	6
224	PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Gallium-68 Complexes at Physiological pH. *Chemistry - A European Journal*, **2019**, 25, 10698-10709	4.8	6
223	Lanthanide Complexes with H paraCEST and F Response for Magnetic Resonance Imaging Applications. *Inorganic Chemistry*, **2019**, 58, 7571-7583	5.1	14
222	endo- versus exo-Cyclic coordination in copper complexes with methylthiazolylcarboxylate tacn derivatives. *Dalton Transactions*, **2019**, 48, 8740-8755	4.3	2
221	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. *Inorganic Chemistry*, **2019**, 58, 3732-3743	5.1	17
220	Reinforced Ni(ii)-cyclam derivatives as dual H/F MRI probes. *Chemical Communications*, **2019**, 55, 4115-4118	5.8	14

219	Controlling water exchange rates in potential Mn-based MRI agents derived from NO2A. *Dalton Transactions*, **2019**, 48, 3962-3972	4.3	10
218	Investigations into the effects of linker length elongation on the behaviour of calcium-responsive MRI probes. *Dalton Transactions*, **2019**, 48, 13546-13554	4.3	3
217	Synthesis of Orthogonal N-Protected C-Functional Side-Bridged Cyclams to Give Access to Unsymmetrical Constrained BCAs. *European Journal of Organic Chemistry*, **2019**, 2019, 5955-5962	3.2	1
216	In-depth Study of a Novel Class of Ditopic Gadolinium(III)-based MRI Probes Sensitive to Zwitterionic Neurotransmitters. *Frontiers in Chemistry*, **2019**, 7, 490	5	2
215	Highly Stable and Inert Complexation of Indium(III) by Reinforced Cyclam Dipicolinate and a Bifunctional Derivative for Bead Encoding in Mass Cytometry. *Chemistry - A European Journal*, **2019**, 25, 15387-15400	4.8	6
214	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
213	Characterisation of magnetic resonance imaging (MRI) contrast agents using NMR relaxometry. *Molecular Physics*, **2019**, 117, 898-909	1.7	34
212	Metal□Organic Self-Assembled Trefoil Knots for C□Br Bond Activation. *ACS Catalysis*, **2019**, 9, 1907-1914	13.1	22
211	Molecular Upconversion in Water in Heteropolynuclear Supramolecular Tb/Yb Assemblies. *Journal of the American Chemical Society*, **2019**, 141, 1568-1576	16.4	48
210	Synthesis and Characterization of Positively Charged tris-Imidazolium Calix[6]arene Hosts for Anion Recognition. *ChemistrySelect*, **2019**, 4, 321-328	1.8	3
209	Water soluble Eu(III) complexes of macrocyclic triamide ligands: Structure, stability, luminescence and redox properties. *Inorganica Chimica Acta*, **2019**, 486, 252-260	2.7	8
208	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
207	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
206	Coordination Properties of GdDO3A-Based Model Compounds of Bioresponsive MRI Contrast Agents. *Inorganic Chemistry*, **2018**, 57, 5973-5986	5.1	16
205	Morphological Diversity in Nanoporous Covalent Organic Materials Derived from Viologen and Pyrene. *ChemNanoMat*, **2018**, 4, 61-65	3.5	16
204	Steric Effects on the Binding of Phosphate and Polyphosphate Anions by Zinc(II) and Copper(II) Dinuclear Complexes of m-Xylyl-bis-cyclen. *Inorganic Chemistry*, **2018**, 57, 6466-6478	5.1	10
203	Modulating the DNA cleavage ability of copper(II) Schiff bases through ternary complex formation. *New Journal of Chemistry*, **2018**, 42, 15170-15183	3.6	8
202	Long Wavelength Excitation of Europium Luminescence in Extended, Carboline-Based Cryptates. *Inorganic Chemistry*, **2018**, 57, 7390-7401	5.1	11

201	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
200	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
199	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
198	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
197	On the consequences of the stereochemical activity of the Bi(iii) 6s lone pair in cyclen-based complexes. The [Bi(DO3A)] case. *Dalton Transactions*, **2018**, 47, 13830-13842	4.3	11
196	Modeling the OEC with Two New Biomimetic Models: Preparations, Structural Characterization, and Water Photolysis Studies of a Ba^{II}Mn Box Type Complex and a Mn4N6 Planar-Diamond Cluster. *Catalysts*, **2018**, 8, 382	4	1
195	Recognition of AMP, ADP and ATP through Cooperative Binding by Cu(II) and Zn(II) Complexes Containing Urea and/or Phenylboronic-Acid Moieties. *Molecules*, **2018**, 23,	4.8	13
194	Expanding the Family of Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. *Inorganic Chemistry*, **2018**, 57, 6932-6945	5.1	25
193	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. *Angewandte Chemie*, **2018**, 130, 10069-10072	3.6	8
192	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
191	Ditopic receptors containing urea groups for solvent extraction of Cu(ii) salts. *Dalton Transactions*, **2017**, 46, 3192-3206	4.3	15
190	Spectroscopic Properties of a Family of Mono- to Trinuclear Lanthanide Complexes. *European Journal of Inorganic Chemistry*, **2017**, 2017, 2122-2129	2.3	7
189	1,4,7-Triazacyclononane-Based Bifunctional Picolinate Ligands for Efficient Copper Complexation. *European Journal of Inorganic Chemistry*, **2017**, 2017, 2435-2443	2.3	12
188	Selective growth inhibition of cancer cells with doxorubicin-loaded CB[7]-modified iron-oxide nanoparticles. *RSC Advances*, **2017**, 7, 23827-23834	3.7	19
187	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
186	Developing the family of picolinate ligands for Mn complexation. *Dalton Transactions*, **2017**, 46, 1546-1558	4.3	31
185	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
184	Toward inert paramagnetic Ni(ii)-based chemical exchange saturation transfer MRI agents. *Dalton Transactions*, **2017**, 46, 15095-15106	4.3	10

183	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
182	Effects of the substituents of pyrazole/thiazine ligands on the magnetic properties of chloro-bridged Cu(II) complexes. *New Journal of Chemistry*, **2017**, 41, 8818-8827	3.6	8
181	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
180	Tuning the copper(ii) coordination properties of cyclam by subtle chemical modifications. *Dalton Transactions*, **2017**, 46, 11479-11490	4.3	5
179	Dimer formation of GdDO3A-arylsulfonamide complexes causes loss of pH-dependency of relaxivity. *Dalton Transactions*, **2017**, 46, 16828-16836	4.3	12
178	Recognition of phosphopeptides by a dinuclear copper(ii) macrocyclic complex in a water : methanol 50 : 50 v/v solution. *Dalton Transactions*, **2017**, 46, 9549-9564	4.3	7
177	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. *Chemistry - A European Journal*, **2017**, 23, 1110-1117	4.8	17
176	Chapter 2:Gadolinium-based Contrast Agents. *New Developments in NMR*, **2017**, 121-242	0.9	11
175	Chapter 5:Transition Metal-based T1 Contrast Agents. *New Developments in NMR*, **2017**, 448-478	0.9	2
174	Optimising the relaxivities of Mn complexes by targeting human serum albumin (HSA). *Dalton Transactions*, **2017**, 46, 8494-8504	4.3	20
173	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg over Cu, Zn and Cd. *Dalton Transactions*, **2016**, 45, 15211-15224	4.3	12
172	Stimuli-responsive metal-directed self-assembly of a ring-in-ring complex. *Dalton Transactions*, **2016**, 45, 11611-5	4.3	10
171	Room temperature molecular up conversion in solution. *Nature Communications*, **2016**, 7, 11978	17.4	65
170	Paramagnetic lanthanide chelates for multicontrast MRI. *Chemical Communications*, **2016**, 52, 9224-7	5.8	19
169	Magnetic Anisotropy in Functionalized Bipyridyl Cryptates. *Inorganic Chemistry*, **2016**, 55, 5549-57	5.1	15
168	Complexation of [Gd(DTTA-Me)(H2O)2](-) by Fluoride and Its Consequences to Water Exchange. *Inorganic Chemistry*, **2016**, 55, 6231-9	5.1	8
167	A density functional theory study on the interaction of dipicolinic acid with hydrated Fe2+ cation. *Computational and Theoretical Chemistry*, **2016**, 1090, 134-146	2	4
166	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

165	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
164	Self-assembly of Pd2L2 Metallacycles Owning Diversely Functionalized Racemic Ligands. *Inorganic Chemistry*, **2016**, 55, 2290-8	5.1	13
163	[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
162	Magnetic Anisotropies in Rhombic Lanthanide(III) Complexes Do Not Conform to Bleaney's Theory. *Inorganic Chemistry*, **2016**, 55, 3490-7	5.1	41
161	Synthesis and characterisation of bismacrocyclic DO3A-amide derivatives - an approach towards metal-responsive PARACEST agents. *Dalton Transactions*, **2016**, 45, 6555-65	4.3	7
160	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. *Inorganic Chemistry*, **2016**, 55, 619-32	5.1	12
159	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
158	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. *Inorganic Chemistry*, **2016**, 55, 12962-12974	5.1	12
157	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
156	Post-synthetic modifications of cadmium-based knots and links. *Chemical Communications*, **2016**, 52, 7398-401	5.8	14
155	Multifunctional redox-tuned viologen-based covalent organic polymers. *Journal of Materials Chemistry A*, **2016**, 4, 15361-15369	13	85
154	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
153	The Relationship between NMR Chemical Shifts of Thermally Polarized and Hyperpolarized Y Complexes and Their Solution Structures. *Chemistry - A European Journal*, **2016**, 22, 16657-16667	4.8	11
152	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
151	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
150	Water exchange rates and mechanisms in tetrahedral [Be(H2O)4]2+ and [Li(H2O)4]+ complexes using DFT methods and cluster-continuum models. *International Journal of Quantum Chemistry*, **2016**, 116, 1388-1396	2.1	3
149	AMPED: a new platform for picolinate based luminescent lanthanide chelates. *Dalton Transactions*, **2015**, 44, 7654-61	4.3	14
148	Investigating the Complexation of the Pb(2+)/Bi(3+) Pair with Dipicolinate Cyclen Ligands. *Inorganic Chemistry*, **2015**, 54, 7045-57	5.1	34

147	Complexation of Sm3+ and pamidronate: A DFT study. *Journal of Rare Earths*, **2015**, 33, 310-319	3.7	2
146	[Tl(III)(dota)](-): An Extraordinarily Robust Macrocyclic Complex. *Inorganic Chemistry*, **2015**, 54, 5426-37	5.1	9
145	Stabilizing divalent europium in aqueous solution using size-discrimination and electrostatic effects. *Inorganic Chemistry*, **2015**, 54, 4940-52	5.1	33
144	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
143	Mono-, bi-, and trinuclear bis-hydrated Mn(2+) complexes as potential MRI contrast agents. *Inorganic Chemistry*, **2015**, 54, 9576-87	5.1	33
142	A [two-step/one week] synthesis of C-functionalized homocyclens and cyclams. Application to the preparation of conjugable BCAs without chelating properties alteration. *RSC Advances*, **2015**, 5, 85898-85910	3.7	8
141	Gd(3+)-Based Magnetic Resonance Imaging Contrast Agent Responsive to Zn(2+). *Inorganic Chemistry*, **2015**, 54, 10342-50	5.1	26
140	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
139	Dynamic stereoisomerization in inherently chiral bimetallic [2]catenanes. *Chemical Communications*, **2015**, 51, 5840-3	5.8	15
138	Macrocyclic Gd(3+) complexes with pendant crown ethers designed for binding zwitterionic neurotransmitters. *Chemistry - A European Journal*, **2015**, 21, 11226-37	4.8	16
137	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
136	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
135	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
134	H4octapa: highly stable complexation of lanthanide(III) ions and copper(II). *Inorganic Chemistry*, **2015**, 54, 2345-56	5.1	33
133	Lanthanide(III) complexation with an amide derived pyridinophane. *Inorganic Chemistry*, **2015**, 54, 1671-83	5.1	18
132	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
131	Lower denticity leading to higher stability: structural and solution studies of Ln(III)-OBETA complexes. *Inorganic Chemistry*, **2014**, 53, 12499-511	5.1	24
130	Tetraphosphonated thiophene ligand: mixing the soft and the hard. *Dalton Transactions*, **2014**, 43, 9070-80	4.3	7

129	HBMe-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
128	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
127	Secrets of solid state and aqueous solution structures of [Ni(tmdta)](2-). *Inorganic Chemistry*, **2014**, 53, 6684-97	5.1	7
126	Supramolecular Luminescent Lanthanide Dimers for Fluoride Sequestering and Sensing. *Angewandte Chemie*, **2014**, 126, 7387-7391	3.6	16
125	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
124	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
123	Supramolecular luminescent lanthanide dimers for fluoride sequestering and sensing. *Angewandte Chemie - International Edition*, **2014**, 53, 7259-63	16.4	77
122	Spontaneous Self-Assembly of a 1,8-Naphthyridine into Diverse Crystalline 1D Nanostructures: Implications on the Stimuli-Responsive Luminescent Behaviour. *Crystal Growth and Design*, **2014**, 14, 3849-3856	3.5	9
121	Dual-frequency calcium-responsive MRI agents. *Chemistry - A European Journal*, **2014**, 20, 7351-62	4.8	35
120	Picolinate-containing macrocyclic Mn2+ complexes as potential MRI contrast agents. *Inorganic Chemistry*, **2014**, 53, 5136-49	5.1	42
119	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
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