

# Carlos Platas-Iglesias

## List of Publications by Year in descending order

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281  
papers

8,101  
citations

41344  
49  
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98798  
67  
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289  
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289  
docs citations

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times ranked

5934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of paramagnetic lanthanide(III) concentrations from bulk magnetic susceptibility shifts in NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 723-726.	1.9	183
2	Synthesis of silver nanoparticles for the dual delivery of doxorubicin and alendronate to cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7237-7245.	5.8	131
3	Macrocyclic Receptor Exhibiting Unprecedented Selectivity for Light Lanthanides. <i>Journal of the American Chemical Society</i> , 2009, 131, 3331-3341.	13.7	128
4	Zeolite GdNaY Nanoparticles with Very High Relaxivity for Application as Contrast Agents in Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2002, 8, 5121-5131.	3.3	119
5	Multifunctional redox-tuned viologen-based covalent organic polymers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15361-15369.	10.3	114
6	Lanthanide Chelates Containing Pyridine Units with Potential Application as Contrast Agents in Magnetic Resonance Imaging. <i>Chemistry - A European Journal</i> , 2004, 10, 3579-3590.	3.3	107
7	Understanding the Quenching Effects of Aromatic C-H- and C-D-Oscillators in Near-IR Lanthanoid Luminescence. <i>Journal of the American Chemical Society</i> , 2012, 134, 16413-16423.	13.7	101
8	Structural and Photophysical Properties of Heterobimetallic 4f-Zn Iminophenolate Cryptates. <i>Inorganic Chemistry</i> , 2002, 41, 5336-5349.	4.0	99
9	Simultaneous Self-Assembly of a [2]Catenane, a Trefoil Knot, and a Solomon Link from a Simple Pair of Ligands. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9956-9960.	13.8	99
10	Upconverted Photosensitization of Tb Visible Emission by NIR Yb Excitation in Discrete Supramolecular Heteropolynuclear Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 1456-1459.	13.7	96
11	Pyridine- and Phosphonate-Containing Ligands for Stable Ln Complexation. Extremely Fast Water Exchange on the Gd(III) Chelates. <i>Inorganic Chemistry</i> , 2006, 45, 8719-8728.	4.0	87
12	Supramolecular Luminescent Lanthanide Dimers for Fluoride Sequestering and Sensing. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7259-7263.	13.8	85
13	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. <i>Inorganic Chemistry</i> , 2008, 47, 7840-7851.	4.0	83
14	Room temperature molecular up conversion in solution. <i>Nature Communications</i> , 2016, 7, 11978.	12.8	83
15	<sup>1</sup> H NMR in Solution and Solid State Structural Study of Lanthanide(III) Cryptates. <i>Inorganic Chemistry</i> , 1999, 38, 3190-3199.	4.0	82
16	Monopicolinate Cyclen and Cyclam Derivatives for Stable Copper(II) Complexation. <i>Inorganic Chemistry</i> , 2012, 51, 6916-6927.	4.0	82
17	Mn(II) compounds as an alternative to Gd-based MRI probes. <i>Future Medicinal Chemistry</i> , 2019, 11, 1461-1483.	2.3	81
18	Hyperfine Coupling Constants on Inner-Sphere Water Molecules of Gd(III)-Based MRI Contrast Agents. <i>ChemPhysChem</i> , 2012, 13, 3640-3650.	2.1	80

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19	Molecular Upconversion in Water in Heteropolynuclear Supramolecular Tb/Yb Assemblies. <i>Journal of the American Chemical Society</i> , 2019, 141, 1568-1576.	13.7	80
20	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 6648-6678.	4.0	80
21	<sup>1</sup> H and <sup>17</sup> O NMR Relaxometric and Computational Study on Macrocyclic Mn(II) Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 3268-3279.	4.0	77
22	Lanthanide dota-like Complexes Containing a Picolinate Pendant: Structural Entry for the Design of Ln <sup>III</sup> -Based Luminescent Probes. <i>Inorganic Chemistry</i> , 2011, 50, 4125-4141.	4.0	76
23	Aqueous Complexes for Efficient Size-based Separation of Americium from Curium. <i>Inorganic Chemistry</i> , 2014, 53, 6003-6012.	4.0	73
24	Lanthanide(III) Complexes with a Tetrapyridine Pendant-Armed Macrocyclic Ligand: <sup>1</sup> H NMR Structural Determination in Solution, X-ray Diffraction, and Density-Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2006, 45, 4484-4496.	4.0	70
25	Lead(II) Thiocyanate Complexes with Bibracchial Lariat Ethers: An X-ray and DFT Study. <i>Inorganic Chemistry</i> , 2005, 44, 2224-2233.	4.0	68
26	Understanding Stability Trends along the Lanthanide Series. <i>Chemistry - A European Journal</i> , 2014, 20, 3974-3981.	3.3	68
27	Positively Charged Lanthanide Complexes with Cyclen-Based Ligands: Synthesis, Solid-State and Solution Structure, and Fluoride Interaction. <i>Inorganic Chemistry</i> , 2011, 50, 12508-12521.	4.0	64
28	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. <i>Coordination Chemistry Reviews</i> , 2020, 406, 213146.	18.8	64
29	Lanthanide(III) Complexes with Ligands Derived from a Cyclen Framework Containing Pyridinecarboxylate Pendants. The Effect of Steric Hindrance on the Hydration Number. <i>Inorganic Chemistry</i> , 2012, 51, 2509-2521.	4.0	63
30	Zn(ii), Cd(ii) and Pb(ii) complexation with pyridinecarboxylate containing ligands. <i>Dalton Transactions</i> , 2008, , 5754.	3.3	62
31	Macrocyclic Receptor Showing Extremely High Sr(II)/Ca(II) and Pb(II)/Ca(II) Selectivities with Potential Application in Chelation Treatment of Metal Intoxication. <i>Inorganic Chemistry</i> , 2011, 50, 3772-3784.	4.0	60
32	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. <i>Inorganic Chemistry</i> , 2005, 44, 9704-9713.	4.0	57
33	Diimidazolium Halobismuthates [Dim] <sub>2</sub> [Bi <sub>2</sub> X <sub>10</sub> ] (X =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Photoluminescent Materials. <i>Inorganic Chemistry</i> , 2018, 57, 7655-7664.	4.0	56
34	Synthesis of New Self-Assembled Pd <sup>II</sup> and Pt <sup>II</sup> Rectangular Metallomacrocycles: A Comparative Study of their Inclusion Complexes. <i>Chemistry - A European Journal</i> , 2007, 13, 8572-8582.	3.3	55
35	Solution Structure and Dynamics, Stability, and NIR Emission Properties of Lanthanide Complexes with a Carboxylated Bispirazolylpyridyl Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 1507-1518.	4.0	55
36	Stable Mn <sup>2+</sup> , Cu <sup>2+</sup> and Ln <sup>3+</sup> complexes with cyclen-based ligands functionalized with picolinate pendant arms. <i>Dalton Transactions</i> , 2015, 44, 5017-5031.	3.3	55

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37	Structural characterisation, EPR and magnetic properties of f and d lanthanide(III) phenolic cryptates. Dalton Transactions RSC, 2002, , 4658.	2.3	54
38	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 Gd <sup>3+</sup> Complex. Inorganic Chemistry, 2009, 48, 8878-8889.	4.0	54
39	Density functional dependence of molecular geometries in lanthanide(III) complexes relevant to bioanalytical and biomedical applications. Computational and Theoretical Chemistry, 2012, 999, 93-104.	2.5	54
40	Picolinate-Containing Macrocyclic Mn <sup>2+</sup> Complexes as Potential MRI Contrast Agents. Inorganic Chemistry, 2014, 53, 5136-5149.	4.0	54
41	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, 6436-6445.	2.5	54
42	Lanthanide(III) Complexes with a Reinforced Cyclam Ligand Show Unprecedented Kinetic Inertness. Journal of the American Chemical Society, 2014, 136, 17954-17957.	13.7	53
43	Lone-Pair Activity in Lead(II) Complexes with Unsymmetrical Lariat Ethers. Inorganic Chemistry, 2006, 45, 5407-5416.	4.0	52
44	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, 4370-4382.	4.0	52
45	Monopicolinate-dipicolyl Derivative of Triazacyclononane for Stable Complexation of Cu <sup>2+</sup> and <sup>64</sup> Cu <sup>2+</sup> . Inorganic Chemistry, 2013, 52, 5246-5259.	4.0	52
46	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.	0.2	51
47	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.	2.0	51
48	Monopicolinate Cross-Bridged Cyclam Combining Very Fast Complexation with Very High Stability and Inertness of Its Copper(II) Complex. Inorganic Chemistry, 2014, 53, 5269-5279.	4.0	51
49	[Câ€“Hâ€“anion] interactions mediate the templation and anion binding properties of topologically non-trivial metalâ€“organic structures in aqueous solutions. Chemical Science, 2016, 7, 2524-2531.	7.4	50
50	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. Angewandte Chemie - International Edition, 2018, 57, 9921-9924.	13.8	50
51	Characterisation of magnetic resonance imaging (MRI) contrast agents using NMR relaxometry. Molecular Physics, 2019, 117, 898-909.	1.7	50
52	<sup>17</sup> O and <sup>1</sup> H relaxometric and DFT study of hyperfine coupling constants in [Mn(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> . RSC Advances, 2014, 4, 7094.	3.6	49
53	Tuning the Coordination Sphere around Highly Luminescent Lanthanide Complexes. Inorganic Chemistry, 2008, 47, 3748-3762.	4.0	48
54	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, 11173-11184.	4.0	47

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55	Mono- and bimetallic lanthanide(III) phenolic cryptates obtained by template reaction: solid state structure, photophysical properties and relaxivity. Dalton Transactions RSC, 2000, , 611-618.	2.3	46
56	The structure of the lanthanide aquo ions in solution as studied by 17O NMR spectroscopy and DFT calculations. Dalton Transactions, 2008, , 602-607.	3.3	46
57	Self-Assembly of 1:2 Inclusion Complexes between a Metallocycle Host and Dihydroxyaromatic Guests: A Redox Controlled Complexation Process. Organic Letters, 2008, 10, 409-412.	4.6	46
58	Regioselective Catenation of Dinuclear Palladium and Platinum Metallocycles Promoted by $\pi$ - $\pi$ Interactions. Inorganic Chemistry, 2009, 48, 4098-4107.	4.0	46
59	Magnetic Anisotropies in Rhombic Lanthanide(III) Complexes Do Not Conform to Bleaney's Theory. Inorganic Chemistry, 2016, 55, 3490-3497.	4.0	46
60	Lead(II) Complexes with Macrocyclic Receptors Derived from 4,13-Diaza-18-crown-6. Inorganic Chemistry, 2002, 41, 4337-4347.	4.0	45
61	Towards Fluoride Sensing with Positively Charged Lanthanide Complexes. European Journal of Inorganic Chemistry, 2010, 2010, 2735-2745.	2.0	45
62	Investigating the Complexation of the $Pb^{2+}/Bi^{3+}$ Pair with Dipicolinate Cyclen Ligands. Inorganic Chemistry, 2015, 54, 7045-7057.	4.0	45
63	Pyridine and phosphonate containing ligands for stable lanthanide complexation. An experimental and theoretical study to assess the solution structure. Dalton Transactions, 2006, , 5404-5415.	3.3	44
64	Dual-Frequency Calcium-Responsive MRI Agents. Chemistry - A European Journal, 2014, 20, 7351-7362.	3.3	44
65	Seven-Coordination versus Six-Coordination in Divalent First-Row Transition-Metal Complexes Derived from 1,10-Diaza-15-crown-5. Inorganic Chemistry, 2007, 46, 8271-8282.	4.0	43
66	Structural and Photophysical Properties of Lanthanide(III) Complexes with a Novel Octadentate Iminophenolate Bibrachial Lariat Ether. Inorganic Chemistry, 2005, 44, 4254-4262.	4.0	41
67	Solution Structure of Ln(III) Complexes with Macrocyclic Ligands Through Theoretical Evaluation of $^1H$ NMR Contact Shifts. Inorganic Chemistry, 2012, 51, 13419-13429.	4.0	41
68	Developing the family of picolinate ligands for $Mn^{2+}$ complexation. Dalton Transactions, 2017, 46, 1546-1558.	3.3	41
69	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. Dalton Transactions, 2019, 48, 11161-11180.	3.3	41
70	Intramolecular redox-induced dimerization in a viologen dendrimer. Journal of Materials Chemistry C, 2013, 1, 2302.	5.5	40
71	$H_{4}^{octapa}$ : Highly Stable Complexation of Lanthanide(III) Ions and Copper(II). Inorganic Chemistry, 2015, 54, 2345-2356.	4.0	40
72	Mono-, Bi-, and Trinuclear Bis-Hydrated $Mn^{2+}$ Complexes as Potential MRI Contrast Agents. Inorganic Chemistry, 2015, 54, 9576-9587.	4.0	40

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73	The highest water exchange rate ever measured for a Gd(III) chelate. <i>Chemical Communications</i> , 2005, , 4729.	4.1	39
74	Definition of an Intramolecular Eu <sup>III</sup> Energy Transfer within a Discrete [Eu <sub>2</sub> L] Complex in Solution. <i>Chemistry - A European Journal</i> , 2012, 18, 8163-8173.	3.3	39
75	Stabilizing Divalent Europium in Aqueous Solution Using Size-Discrimination and Electrostatic Effects. <i>Inorganic Chemistry</i> , 2015, 54, 4940-4952.	4.0	39
76	Expanding the Cavity Size: Preparation of 2:1 Inclusion Complexes Based on Dinuclear Square Metallochromes. <i>Journal of Organic Chemistry</i> , 2009, 74, 6577-6583.	3.2	38
77	Lower Ligand Denticity Leading to Improved Thermodynamic and Kinetic Stability of the Gd <sup>3+</sup> Complex: The Strange Case of OBETA. <i>Chemistry - A European Journal</i> , 2012, 18, 7680-7685.	3.3	37
78	A Schiff-Base Bibracchial Lariat Ether Forming a Cryptand-like Cavity for Lanthanide Ions. <i>Inorganic Chemistry</i> , 2003, 42, 6946-6954.	4.0	36
79	17O NMR and Density Functional Theory Study of the Dynamics of the Carboxylate Groups in DOTA Complexes of Lanthanides in Aqueous Solution. <i>Inorganic Chemistry</i> , 2012, 51, 170-178.	4.0	35
80	Toward theranostic nanoparticles: CB[7]-functionalized iron oxide for drug delivery and MRI. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5076.	5.8	35
81	Reasons behind the Relative Abundances of Heptacoordinate Complexes along the Late First-Row Transition Metal Series. <i>Inorganic Chemistry</i> , 2014, 53, 12859-12869.	4.0	35
82	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	35
83	New self-assembled dinuclear Pd(II) and Pt(II) metallomacrocycles of a 4,4'-bipyridin-1-ium ligand with an inner cavity. <i>Tetrahedron Letters</i> , 2006, 47, 3119-3122.	1.4	34
84	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). <i>Inorganic Chemistry</i> , 2009, 48, 11821-11831.	4.0	34
85	Nonmacrocyclic Luminescent Lanthanide Complexes Stable in Biological Media. <i>Inorganic Chemistry</i> , 2011, 50, 1689-1697.	4.0	34
86	Taking the next step toward inert Mn <sup>2+</sup> complexes of open-chain ligands: the case of the rigid PhDTA ligand. <i>New Journal of Chemistry</i> , 2018, 42, 8001-8011.	2.8	34
87	Defining the conditions for the development of the emerging class of Fe <sup>III</sup> -based MRI contrast agents. <i>Chemical Science</i> , 2021, 12, 11138-11145.	7.4	34
88	Complexation of Mn(II) by Rigid Pycen Diacetates: Equilibrium, Kinetic, Relaxometric, Density Functional Theory, and Superoxide Dismutase Activity Studies. <i>Inorganic Chemistry</i> , 2021, 60, 1133-1148.	4.0	34
89	Templating Schiff-Base Lateral Macrobicycles: An Experimental and Theoretical Structural Study of the Intermediates. <i>Inorganic Chemistry</i> , 2003, 42, 4299-4307.	4.0	33
90	Molecular Recognition of Sialic Acid by Lanthanide(III) Complexes through Cooperative Two-Site Binding. <i>Inorganic Chemistry</i> , 2010, 49, 4212-4223.	4.0	33

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91	Lanthanide Complexes Based on a Diazapyridinophane Platform Containing Picolinate Pendants. <i>Inorganic Chemistry</i> , 2012, 51, 10893-10903.	4.0	33
92	Expanding the Family of PycLen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. <i>Inorganic Chemistry</i> , 2018, 57, 6932-6945.	4.0	33
93	Lanthanide triple-stranded helical complexes with a substituted 2,6-pyridinedicarboxylate. Electronic supplementary information (ESI) available: analytical, IR and luminescence data, contact and dipolar shifts, calculated Cartesian co-ordinate for the Eu(III) complex, plots of chemical shifts for protons H8, H9 versus the chemical shift of proton H2. See <a href="http://www.rsc.org/suppdata/doi/10.1039/C8DT00000A">http://www.rsc.org/suppdata/doi/10.1039/C8DT00000A</a> . <i>Dalton Transactions RSC</i> , 2001, , 3084-3091.	2.3	32
94	Stability, structure and dynamics of cationic lanthanide(III) complexes of N,N'-bis(propylamide)ethylenediamine-N,N'-diacetic acid. <i>Dalton Transactions</i> , 2003, , 727-737.	3.3	32
95	Lower Denticity Leading to Higher Stability: Structural and Solution Studies of Ln(III)-OBETA Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 12499-12511.	4.0	31
96	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. <i>Journal of Organic Chemistry</i> , 2014, 79, 1885-1899.	3.2	31
97	Approaching the Kinetic Inertness of Macrocyclic Gadolinium(III)-Based MRI Contrast Agents with Highly Rigid Open-Chain Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 896-901.	3.3	31
98	Improving the stability and inertness of Cu(II) and Cu(I) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. <i>Dalton Transactions</i> , 2016, 45, 7406-7420.	3.3	31
99	The template synthesis and X-ray crystal structure of the first dinuclear lanthanide(III) iminophenolate cryptate. <i>Chemical Communications</i> , 1999, , 125-126.	4.1	30
100	Structure and Dynamics of Lanthanide(III) Complexes with an N-Alkylated do3a Ligand (H3do3a = Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50). <i>Journal of Inorganic Chemistry</i> , 2010, 2010, 3586-3595.	2.0	30
101	Metal-Organic Self-Assembled Trefoil Knots for C-Br Bond Activation. <i>ACS Catalysis</i> , 2019, 9, 1907-1914.	11.2	30
102	The effect of ring size variation on the structure and stability of lanthanide(III) complexes with crown ethers containing picolinate pendants. <i>Dalton Transactions</i> , 2011, 40, 384-392.	3.3	29
103	Lanthanide Complexes with Heteroditopic Ligands as Fluorescent Zinc Sensors. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1072-1081.	2.0	29
104	Cooperative Anion Recognition in Copper(II) and Zinc(II) Complexes with a Ditopic Tripodal Ligand Containing a Urea Group. <i>Inorganic Chemistry</i> , 2014, 53, 2554-2568.	4.0	29
105	A Bis(pyridine-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). <i>Chemistry - A European Journal</i> , 2014, 20, 14834-14845.	3.3	29
106	Gd3+-Based Magnetic Resonance Imaging Contrast Agent Responsive to Zn2+. <i>Inorganic Chemistry</i> , 2015, 54, 10342-10350.	4.0	29
107	Towards Selective Recognition of Sialic Acid Through Simultaneous Binding to Its cis-Diol and Carboxylate Functions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3237-3248.	2.4	28
108	Highly relaxing gadolinium based MRI contrast agents responsive to Mg2+ sensing. <i>Chemical Communications</i> , 2012, 48, 4085.	4.1	28



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109	Breaking the Barrier to Slow Water Exchange Rates for Optimal Magnetic Resonance Detection of paraCEST Agents. <i>Inorganic Chemistry</i> , 2016, 55, 3007-3014.	4.0	28
110	Selective growth inhibition of cancer cells with doxorubicin-loaded CB[7]-modified iron-oxide nanoparticles. <i>RSC Advances</i> , 2017, 7, 23827-23834.	3.6	28
111	Effect of a halogenide substituent on the stability and photophysical properties of lanthanide triple-stranded helicates with ditopic ligands derived from bis(benzimidazolyl)pyridine. <i>Dalton Transactions RSC</i> , 2000, , 2031-2043.	2.3	27
112	Optimising the relaxivities of Mn <sup>2+</sup> complexes by targeting human serum albumin (HSA). <i>Dalton Transactions</i> , 2017, 46, 8494-8504.	3.3	27
113	A hexaaza macrocyclic ligand containing acetohydrazide pendants for Ln(III) complexation in aqueous solution. Solid-state and solution structures and DFT calculations. <i>Dalton Transactions</i> , 2008, , 3841.	3.3	26
114	Radical Cation Dimerization Overwhelms Inclusion in [Cn]Pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2014, 20, 7334-7344.	3.3	26
115	H2Me-do2pa: an attractive chelator with fast, stable and inert <sup>nat</sup> Bi <sup>3+</sup> and <sup>213</sup> Bi <sup>3+</sup> complexation for potential $\pm$ -radioimmunotherapy applications. <i>Chemical Communications</i> , 2014, 50, 12371-12374.	4.1	26
116	Complexation of Ln <sup>3+</sup> Ions with Cyclam Dipicolinates: A Small Bridge that Makes Huge Differences in Structure, Equilibrium, and Kinetic Properties. <i>Inorganic Chemistry</i> , 2016, 55, 2227-2239.	4.0	26
117	Enantiomeric Recognition of <sup>d</sup> - and <sup>l</sup> -Lactate by CEST with the Aid of a Paramagnetic Shift Reagent. <i>Journal of the American Chemical Society</i> , 2017, 139, 17431-17437.	13.7	26
118	A combined NMR and DFT study of conformational dynamics in lanthanide complexes of macrocyclic DOTA-like ligands. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26662-26671.	2.8	26
119	The role of ligand to metal charge-transfer states on the luminescence of Europium complexes with 18-membered macrocyclic ligands. <i>Dalton Transactions</i> , 2019, 48, 4035-4045.	3.3	26
120	Stereoselective self-assembly of atropoisomeric Pd(II) metallocycles induced by an aromatic guest. <i>Chemical Communications</i> , 2008, , 2879.	4.1	25
121	High Relaxivity Mn <sup>2+</sup> -Based MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2014, 20, 17300-17305.	3.3	25
122	Importance of Outer-Sphere and Aggregation Phenomena in the Relaxation Properties of Phosphonated Gadolinium Complexes with Potential Applications as MRI Contrast Agents. <i>Chemistry - A European Journal</i> , 2015, 21, 6535-6546.	3.3	25
123	Stable and Inert Yttrium(III) Complexes with Pycen-Based Ligands Bearing Pendant Picolinate Arms: Toward New Pharmaceuticals for $\beta^2$ -Radiotherapy. <i>Inorganic Chemistry</i> , 2018, 57, 2051-2063.	4.0	25
124	Lanthanide Complexes with <sup>1</sup> H paraCEST and <sup>19</sup> F Response for Magnetic Resonance Imaging Applications. <i>Inorganic Chemistry</i> , 2019, 58, 7571-7583.	4.0	25
125	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3732-3743.	4.0	25
126	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 1110-1117.	3.3	24



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127	Lateral Macrobicyclic Architectures: Toward New Lead(II) Sequestering Agents. <i>Inorganic Chemistry</i> , 2005, 44, 5428-5436.	4.0	23
128	Structural Study of Ga(III), In(III), and Fe(III) Complexes of Triaza-Macrocyclic Based Ligands with N3S3 Donor Set. <i>Inorganic Chemistry</i> , 2009, 48, 3257-3267.	4.0	23
129	Ln2M complexes (M = Ru, Re) derived from a bismacrocyclic ligand containing a 4,4'-dimethyl-2,2'-bipyridyl bridging unit. <i>Dalton Transactions</i> , 2013, 42, 3667.	3.3	23
130	1,4,7-Triazacyclononane-Based Bifunctional Picolinate Ligands for Efficient Copper Complexation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2435-2443.	2.0	23
131	The role of the capping bond effect on pycnolene Y <sup>3+</sup> chelates: full control of the regiospecific N-functionalization makes the difference. <i>Chemical Communications</i> , 2017, 53, 9534-9537.	4.1	23
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