

# Carlos Platas-Iglesias

## List of Publications by Year in descending order

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281  
papers

8,101  
citations

41323

49  
h-index

98753

67  
g-index

289  
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289  
docs citations

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times ranked

5934  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	35
2	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
3	Stable and inert macrocyclic cobalt( <sup>ii</sup> ) and nickel( <sup>ii</sup> ) complexes with paraCEST response. <i>Dalton Transactions</i> , 2022, 51, 1580-1593.	1.6	7
4	The critical role of ligand topology: strikingly different properties of Gd( <sup>iii</sup> ) complexes with regioisomeric AAZTA derivatives. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2271-2283.	3.0	4
5	Exploiting the Fluxionality of Lanthanide Complexes in the Design of Paramagnetic Fluorine Probes. <i>Inorganic Chemistry</i> , 2022, 61, 4130-4142.	1.9	5
6	Rigidified Derivative of the Non-macrocyclic Ligand H <sub>4</sub> OCTAPA for Stable Lanthanide(III) Complexation. <i>Inorganic Chemistry</i> , 2022, 61, 5157-5171.	1.9	11
7	Surprising Complexity of the [Gd(AAZTA)(H <sub>2</sub> O) <sub>2</sub> ] <sup>+</sup> Chelate Revealed by NMR in the Frequency and Time Domains. <i>Inorganic Chemistry</i> , 2022, 61, 496-506.	1.9	4
8	Versatile Macrocyclic Platform for the Complexation of [ <sup>nat</sup> Y/ <sup>90</sup> Y]Yttrium and Lanthanide Ions. <i>Inorganic Chemistry</i> , 2022, 61, 6209-6222.	1.9	6
9	Relevance of Palladium to Radiopharmaceutical Development Considering Enhanced Coordination Properties of TE1PA. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	2
10	Prediction of Gd(III) complex thermodynamic stability. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214606.	9.5	9
11	Zeolitic imidazolate framework (AMCD-ZIF) functionalised membrane for the removal of dyes from water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108019.	3.3	5
12	Front Cover: Relevance of Palladium to Radiopharmaceutical Development Considering Enhanced Coordination Properties of TE1PA (Chem. Eur. J. 41/2022). <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	0
13	Importance of ligand design in lanthanide azamacrocyclic complexes relevant to biomedical applications. <i>Fundamental Theories of Physics</i> , 2022, , 129-220.	0.1	1
14	Upconversion in a d <sup>f</sup> [RuYb <sub>3</sub> ] Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2022, 144, 13356-13365.	6.6	16
15	Paramagnetic chemical exchange saturation transfer agents and their perspectives for application in magnetic resonance imaging. <i>International Reviews in Physical Chemistry</i> , 2021, 40, 51-79.	0.9	14
16	Viologenâ€“cucurbituril host/guest chemistry â€“ redox control of dimerization <i>versus</i> inclusion. <i>RSC Advances</i> , 2021, 11, 29543-29554.	1.7	3
17	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.	3.7	34
18	Lanthanide(III) Complexes Based on an 18-Membered Macrocycle Containing Acetamide Pendants. Structural Characterization and paraCEST Properties. <i>Inorganic Chemistry</i> , 2021, 60, 1902-1914.	1.9	5

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19	Stability, relaxometric and computational studies on Mn <sup>2+</sup> complexes with ligands containing a cyclobutane scaffold. Dalton Transactions, 2021, 50, 1076-1085.	1.6	4
20	Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Gadolinium Complexation. Inorganic Chemistry, 2021, 60, 2390-2405.	1.9	12
21	Scrutinising the role of intramolecular hydrogen bonding in water exchange dynamics of Gd(III) complexes. Dalton Transactions, 2021, 50, 5506-5518.	1.6	5
22	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. Molecules, 2021, 26, 1524.	1.7	7
23	4 Metal Ion Complexes in Paramagnetic Chemical Exchange Saturation Transfer (ParaCEST)., 2021, , 101-136.		2
24	Electronic Structure of Ytterbium(III) Solvates—a Combined Spectroscopic and Theoretical Study. Inorganic Chemistry, 2021, 60, 7453-7464.	1.9	16
25	Complexation of <i>C</i> -Functionalized Cyclams with Copper(II) and Zinc(II): Similarities and Changes When Compared to Parent Cyclam Analogues. Inorganic Chemistry, 2021, 60, 10857-10872.	1.9	10
26	Bifunctional Paramagnetic and Luminescent Clays Obtained by Incorporation of Gd <sup>3+</sup> and Eu <sup>3+</sup> Ions in the Saponite Framework. Inorganic Chemistry, 2021, 60, 10749-10756.	1.9	4
27	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. Journal of Inorganic Biochemistry, 2021, 224, 111579.	1.5	10
28	Thiosemicarbazone modified zeolitic imidazolate framework (TSC-ZIF) for mercury(II) removal from water. RSC Advances, 2021, 11, 16192-16199.	1.7	5
29	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.	1.9	34
30	Rigid versions of PDTA <sup>4-</sup> incorporating a 1,3-diaminocyclobutyl spacer for Mn <sup>2+</sup> complexation: stability, water exchange dynamics and relaxivity. Dalton Transactions, 2021, 50, 16290-16303.	1.6	5
31	Understanding the Effect of the Electron Spin Relaxation on the Relaxivities of Mn(II) Complexes with Triazacyclononane Derivatives. Inorganic Chemistry, 2021, 60, 15055-15068.	1.9	11
32	Ditopic binuclear copper(II) complexes for DNA cleavage. Journal of Inorganic Biochemistry, 2020, 205, 110995.	1.5	6
33	Combined NMR, DFT and X-ray studies highlight structural and hydration changes of [Ln(AAZTA)] <sup>+</sup> complexes across the series. Inorganic Chemistry Frontiers, 2020, 7, 795-803.	3.0	16
34	The chemical consequences of the gradual decrease of the ionic radius along the Ln-series. Coordination Chemistry Reviews, 2020, 406, 213146.	9.5	64
35	Expanding the Scope of Pyclen-Picolinate Lanthanide Chelates to Potential Theranostic Applications. Inorganic Chemistry, 2020, 59, 11736-11748.	1.9	14
36	Mn <sup>2+</sup> Complexes Containing Sulfonamide Groups with pH-Responsive Relaxivity. Inorganic Chemistry, 2020, 59, 14306-14317.	1.9	10

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37	Applications for Transition-Metal Chemistry in Contrast-Enhanced Magnetic Resonance Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 6648-6678.	1.9	80
38	Europium(III) Macrocyclic Chelates Appended with Tyrosine-based Chromophores and Di(2-picoly)amine-based Receptors: Turn-On Luminescent Chemosensors Selective to Zinc(II) Ions. <i>ChemPlusChem</i> , 2020, 85, 796-796.	1.3	0
39	Macrocyclic Pycen-Based Gd <sup>3+</sup> Complex with High Relaxivity and pH Response. <i>Inorganic Chemistry</i> , 2020, 59, 7306-7317.	1.9	4
40	Ferric nitrosylated myoglobin catalyzes peroxynitrite scavenging. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 361-370.	1.1	6
41	Europium(III) Macrocyclic Chelates Appended with Tyrosine-based Chromophores and Di(2-picoly)amine-based Receptors: Turn-On Luminescent Chemosensors Selective to Zinc(II) Ions. <i>ChemPlusChem</i> , 2020, 85, 806-814.	1.3	7
42	Axial Ligation in Ytterbium(III) DOTAM Complexes Rationalized with Multireference and Ligand-Field ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1362-1371.	1.1	9
43	Circularly polarized luminescence of enantiopure carboline-based europium cryptates under visible light excitation. <i>Journal of Rare Earths</i> , 2020, 38, 564-570.	2.5	4
44	pH-Dependent Hydration Change in a Gd-based MRI Contrast Agent with a Phosphonated Ligand. <i>Chemistry - A European Journal</i> , 2020, 26, 5407-5418.	1.7	8
45	Unexpected Trends in the Stability and Dissociation Kinetics of Lanthanide(III) Complexes with Cyclen-Based Ligands across the Lanthanide Series. <i>Inorganic Chemistry</i> , 2020, 59, 8184-8195.	1.9	15
46	Inert macrocyclic Eu <sup>3+</sup> complex with affirmative paraCEST features. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2274-2286.	3.0	14
47	Hydrothermal synthesis of six new lanthanides coordination polymers based on 1-H-benzimidazole-5-carboxylic acid: Structure, Hirshfeld analysis, thermal and spectroscopic properties. <i>Inorganica Chimica Acta</i> , 2020, 510, 119740.	1.2	6
48	Investigations into the effects of linker length elongation on the behaviour of calcium-responsive MRI probes. <i>Dalton Transactions</i> , 2019, 48, 13546-13554.	1.6	4
49	Synthesis of Orthogonal N-Protected C-Functional Side-Bridged Cyclams to Give Access to Unsymmetrical Constrained BCAs. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5955-5962.	1.2	1
50	In-depth Study of a Novel Class of Ditopic Gadolinium(III)-based MRI Probes Sensitive to Zwitterionic Neurotransmitters. <i>Frontiers in Chemistry</i> , 2019, 7, 490.	1.8	3
51	Highly Stable and Inert Complexation of Indium(III) by Reinforced Cyclam Dipicolinate and a Bifunctional Derivative for Bead Encoding in Mass Cytometry. <i>Chemistry - A European Journal</i> , 2019, 25, 15387-15400.	1.7	8
52	Mn(II) compounds as an alternative to Gd-based MRI probes. <i>Future Medicinal Chemistry</i> , 2019, 11, 1461-1483.	1.1	81
53	Gadolinium Complexes of Highly Rigid, Open-Chain Ligands Containing a Cyclobutane Ring in the Backbone: Decreasing Ligand Denticity Might Enhance Kinetic Inertness. <i>Inorganic Chemistry</i> , 2019, 58, 13170-13183.	1.9	10
54	Electronic versus steric control in palladium complexes of carboranyl phosphine-iminophosphorane ligands. <i>Dalton Transactions</i> , 2019, 48, 486-503.	1.6	5

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55	A pentadentate member of the picolinate family for Mn(II) complexation and an amphiphilic derivative. Dalton Transactions, 2019, 48, 696-710.	1.6	11
56	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.	1.9	21
57	Gadolinium(III)-Based Dual <sup>1</sup> H/ <sup>19</sup> F Magnetic Resonance Imaging Probes. Chemistry - A European Journal, 2019, 25, 4782-4792.	1.7	21
58	Accelerating water exchange in Gd <sup>III</sup> -DO3A-derivatives by favouring the dissociative mechanism through hydrogen bonding. Chemical Communications, 2019, 55, 513-516.	2.2	18
59	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. Dalton Transactions, 2019, 48, 11161-11180.	1.6	41
60	Phosphate and polyphosphate anion recognition by a dinuclear copper( <sup>II</sup> ) complex of an unsymmetrical squaramide. Dalton Transactions, 2019, 48, 10104-10115.	1.6	9
61	PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Gallium <sup>68</sup> Complexes at Physiological pH. Chemistry - A European Journal, 2019, 25, 10698-10709.	1.7	11
62	Lanthanide Complexes with <sup>1</sup> H paraCEST and <sup>19</sup> F Response for Magnetic Resonance Imaging Applications. Inorganic Chemistry, 2019, 58, 7571-7583.	1.9	25
63	<i>endo</i> - versus <i>exo</i> -Cyclic coordination in copper complexes with methylthiazolylcarboxylate tacn derivatives. Dalton Transactions, 2019, 48, 8740-8755.	1.6	7
64	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. Inorganic Chemistry, 2019, 58, 3732-3743.	1.9	25
65	Reinforced Ni( <sup>II</sup> )-cyclam derivatives as dual <sup>1</sup> H/ <sup>19</sup> F MRI probes. Chemical Communications, 2019, 55, 4115-4118.	2.2	22
66	Controlling water exchange rates in potential Mn <sup>2+</sup> -based MRI agents derived from NO <sub>2</sub> A <sup>2+</sup> . Dalton Transactions, 2019, 48, 3962-3972.	1.6	18
67	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.	1.6	26
68	Characterisation of magnetic resonance imaging (MRI) contrast agents using NMR relaxometry. Molecular Physics, 2019, 117, 898-909.	0.8	50
69	Metal-Organic Self-Assembled Trefoil Knots for C-Br Bond Activation. ACS Catalysis, 2019, 9, 1907-1914.	5.5	30
70	Molecular Upconversion in Water in Heteropolynuclear Supramolecular Tb/Yb Assemblies. Journal of the American Chemical Society, 2019, 141, 1568-1576.	6.6	80
71	Synthesis and Characterization of Positively Charged <i>tris</i> -imidazolium Calix[6]arene Hosts for Anion Recognition. ChemistrySelect, 2019, 4, 321-328.	0.7	4
72	Water soluble Eu(III) complexes of macrocyclic triamide ligands: Structure, stability, luminescence and redox properties. Inorganica Chimica Acta, 2019, 486, 252-260.	1.2	11

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73	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.	1.4	34
74	Stable and Inert Yttrium(III) Complexes with Pyclen-Based Ligands Bearing Pendant Picolinate Arms: Toward New Pharmaceuticals for <sup>177</sup> Lu-Radiotherapy. <i>Inorganic Chemistry</i> , 2018, 57, 2051-2063.	1.9	25
75	Coordination Properties of GdDO3A-Based Model Compounds of Bioresponsive MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2018, 57, 5973-5986.	1.9	18
76	Morphological Diversity in Nanoporous Covalent Organic Materials Derived from Viologen and Pyrene. <i>ChemNanoMat</i> , 2018, 4, 61-65.	1.5	20
77	A Coordination Chemistry Approach to Fine-Tune the Physicochemical Parameters of Lanthanide Complexes Relevant to Medical Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 3127-3131.	1.7	22
78	Remarkable differences and similarities between the isomeric Mn(II)- cis - and trans-1,2-diaminocyclohexane- N , N , N - N -tetraacetate complexes. <i>Inorganica Chimica Acta</i> , 2018, 472, 254-263.	1.2	21
79	On the consequences of the stereochemical activity of the Bi( <sup>III</sup> ) 6s <sup>2</sup> lone pair in cyclen-based complexes. The [Bi(DO3A)] case. <i>Dalton Transactions</i> , 2018, 47, 13830-13842.	1.6	19
80	Modeling the OEC with Two New Biomimetic Models: Preparations, Structural Characterization, and Water Photolysis Studies of a Ba-Mn Box Type Complex and a Mn <sub>4</sub> N <sub>6</sub> Planar-Diamond Cluster. <i>Catalysts</i> , 2018, 8, 382.	1.6	3
81	Recognition of AMP, ADP and ATP through Cooperative Binding by Cu(II) and Zn(II) Complexes Containing Urea and/or Phenylboronic Acid Moieties. <i>Molecules</i> , 2018, 23, 479.	1.7	16
82	Expanding the Family of Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. <i>Inorganic Chemistry</i> , 2018, 57, 6932-6945.	1.9	33
83	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. <i>Angewandte Chemie</i> , 2018, 130, 10069-10072.	1.6	12
84	Steric Effects on the Binding of Phosphate and Polyphosphate Anions by Zinc(II) and Copper(II) Dinuclear Complexes of m-Xylyl-bis-cyclen. <i>Inorganic Chemistry</i> , 2018, 57, 6466-6478.	1.9	13
85	Modulating the DNA cleavage ability of copper(II) Schiff bases through ternary complex formation. <i>New Journal of Chemistry</i> , 2018, 42, 15170-15183.	1.4	12
86	Long Wavelength Excitation of Europium Luminescence in Extended, Carboline-Based Cryptates. <i>Inorganic Chemistry</i> , 2018, 57, 7390-7401.	1.9	12
87	Sensing Uranyl(VI) Ions by Coordination and Energy Transfer to a Luminescent Europium(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9921-9924.	7.2	50
88	Diimidazolium Halobismuthates [Dim] <sub>2</sub> [Bi <sub>2</sub> X <sub>10</sub> ] (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Photoluminescent Materials. <i>Inorganic Chemistry</i> , 2018, 57, 7655-7664.	1.9	56
89	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.	6.6	96
90	Ditopic receptors containing urea groups for solvent extraction of Cu(II) salts. <i>Dalton Transactions</i> , 2017, 46, 3192-3206.	1.6	16

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91	Spectroscopic Properties of a Family of Mono- to Trinuclear Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2122-2129.	1.0	8
92	1,4,7-Triazacyclononane-Based Bifunctional Picolinate Ligands for Efficient Copper Complexation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2435-2443.	1.0	23
93	Selective growth inhibition of cancer cells with doxorubicin-loaded CB[7]-modified iron-oxide nanoparticles. <i>RSC Advances</i> , 2017, 7, 23827-23834.	1.7	28
94	Spectrally Undiscerned Isomers Might Lead to Erroneous Determination of Water Exchange Rates of paraCEST Eu(III) Agents. <i>Inorganic Chemistry</i> , 2017, 56, 7737-7745.	1.9	17
95	Developing the family of picolinate ligands for Mn <sup>2+</sup> complexation. <i>Dalton Transactions</i> , 2017, 46, 1546-1558.	1.6	41
96	Enantiomeric Recognition of <i>d</i> - and <i>l</i> -Lactate by CEST with the Aid of a Paramagnetic Shift Reagent. <i>Journal of the American Chemical Society</i> , 2017, 139, 17431-17437.	6.6	26
97	Toward inert paramagnetic Ni(II)-based chemical exchange saturation transfer MRI agents. <i>Dalton Transactions</i> , 2017, 46, 15095-15106.	1.6	14
98	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.	1.3	26
99	Effects of the substituents of pyrazole/thiazine ligands on the magnetic properties of chloro-bridged Cu(II) complexes. <i>New Journal of Chemistry</i> , 2017, 41, 8818-8827.	1.4	8
100	The role of the capping bond effect on pycen <sup>nat</sup> Y <sup>3+</sup> / <sup>90</sup> Y <sup>3+</sup> chelates: full control of the regioselective N-functionalization makes the difference. <i>Chemical Communications</i> , 2017, 53, 9534-9537.	2.2	23
101	Tuning the copper(II) coordination properties of cyclam by subtle chemical modifications. <i>Dalton Transactions</i> , 2017, 46, 11479-11490.	1.6	9
102	Dimer formation of GdDO3A-arylsulfonamide complexes causes loss of pH-dependency of relaxivity. <i>Dalton Transactions</i> , 2017, 46, 16828-16836.	1.6	13
103	Recognition of phosphopeptides by a dinuclear copper(II) macrocyclic complex in a water:methanol 50:50 v/v solution. <i>Dalton Transactions</i> , 2017, 46, 9549-9564.	1.6	9
104	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 1110-1117.	1.7	24
105	Chapter 2. Gadolinium-based Contrast Agents. <i>New Developments in NMR</i> , 2017, , 121-242.	0.1	17
106	Chapter 5. Transition Metal-based <i>T1</i> Contrast Agents. <i>New Developments in NMR</i> , 2017, , 448-478.	0.1	3
107	Optimising the relaxivities of Mn <sup>2+</sup> complexes by targeting human serum albumin (HSA). <i>Dalton Transactions</i> , 2017, 46, 8494-8504.	1.6	27
108	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.	1.7	31



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109	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 12962-12974.	1.9	15
110	Breaking the Barrier to Slow Water Exchange Rates for Optimal Magnetic Resonance Detection of paraCEST Agents. <i>Inorganic Chemistry</i> , 2016, 55, 3007-3014.	1.9	28
111	Post-synthetic modifications of cadmium-based knots and links. <i>Chemical Communications</i> , 2016, 52, 7398-7401.	2.2	16
112	Multifunctional redox-tuned viologen-based covalent organic polymers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15361-15369.	5.2	114
113	Unexpected Changes in the Population of Coordination Isomers for the Lanthanide Ion Complexes of DOTMA <sup>4-</sup> Tetraglycinate. <i>Inorganic Chemistry</i> , 2016, 55, 9297-9305.	1.9	18
114	The Relationship between NMR Chemical Shifts of Thermally Polarized and Hyperpolarized <sup>89</sup> Y Complexes and Their Solution Structures. <i>Chemistry - A European Journal</i> , 2016, 22, 16657-16667.	1.7	16
115	Pyclen Tri- <i>n</i> -butylphosphonate Ester as Potential Chelator for Targeted Radiotherapy: From Yttrium(III) Complexation to <sup>90</sup> Y Radiolabeling. <i>Inorganic Chemistry</i> , 2016, 55, 8003-8012.	1.9	19
116	Transient versus Static Electron Spin Relaxation in Mn <sup>2+</sup> Complexes Relevant as MRI Contrast Agents. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6467-6476.	1.1	19
117	Water exchange rates and mechanisms in tetrahedral [Be(H <sub>2</sub> O) <sub>4</sub> ] <sup>2+</sup> and [Li(H <sub>2</sub> O) <sub>4</sub> ] <sup>+</sup> complexes using DFT methods and cluster-continuum models. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1388-1396.	1.0	5
118	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg <sup>2+</sup> over Cu <sup>2+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> . <i>Dalton Transactions</i> , 2016, 45, 15211-15224.	1.6	14
119	Stimuli-responsive metal-directed self-assembly of a ring-in-ring complex. <i>Dalton Transactions</i> , 2016, 45, 11611-11615.	1.6	12
120	Room temperature molecular up conversion in solution. <i>Nature Communications</i> , 2016, 7, 11978.	5.8	83
121	Paramagnetic lanthanide chelates for multicontrast MRI. <i>Chemical Communications</i> , 2016, 52, 9224-9227.	2.2	22
122	Magnetic Anisotropy in Functionalized Bipyridyl Cryptates. <i>Inorganic Chemistry</i> , 2016, 55, 5549-5557.	1.9	15
123	Complexation of [Gd(DTTA <sup>4-</sup> Me)(H <sub>2</sub> O) <sub>2</sub> ] <sup>+</sup> by Fluoride and Its Consequences to Water Exchange. <i>Inorganic Chemistry</i> , 2016, 55, 6231-6239.	1.9	9
124	A density functional theory study on the interaction of dipicolinic acid with hydrated Fe <sup>2+</sup> cation. <i>Computational and Theoretical Chemistry</i> , 2016, 1090, 134-146.	1.1	4
125	Improving the stability and inertness of Cu( <i>ii</i> ) and Cu( <i>i</i> ) complexes with methylthiazolyl ligands by tuning the macrocyclic structure. <i>Dalton Transactions</i> , 2016, 45, 7406-7420.	1.6	31
126	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.	1.9	26



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127	Self-assembly of Pd <sub>2</sub> L <sub>2</sub> Metallacycles Owning Diversely Functionalized Racemic Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 2290-2298.	1.9	15
128	[Ca <sup>2+</sup> anion] interactions mediate the templation and anion binding properties of topologically non-trivial metal-organic structures in aqueous solutions. <i>Chemical Science</i> , 2016, 7, 2524-2531.	3.7	50
129	Magnetic Anisotropies in Rhombic Lanthanide(III) Complexes Do Not Conform to Bleaney's Theory. <i>Inorganic Chemistry</i> , 2016, 55, 3490-3497.	1.9	46
130	Synthesis and characterisation of bismacrocyclic DO3A-amide derivatives – an approach towards metal-responsive PARACEST agents. <i>Dalton Transactions</i> , 2016, 45, 6555-6565.	1.6	7
131	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. <i>Inorganic Chemistry</i> , 2016, 55, 619-632.	1.9	15
132	Macrocyclic Gd <sup>3+</sup> Complexes with Pendant Crown Ethers Designed for Binding Zwitterionic Neurotransmitters. <i>Chemistry - A European Journal</i> , 2015, 21, 11226-11237.	1.7	21
133	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.	1.7	25
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271	Comparison of different methods for structural analysis of lanthanide-induced NMR shifts: a case of lanthanide(III) cryptates. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 824-827.	2.8	13
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