

David Esteban

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h-index

72
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155
ext. papers

6,153
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
151	Nature of urea-fluoride interaction: incipient and definitive proton transfer. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16507-14	16.4	758
150	What anions do to N-H-containing receptors. <i>Accounts of Chemical Research</i> , 2006 , 39, 343-53	24.3	718
149	Why, on interaction of urea-based receptors with fluoride, beautiful colors develop. <i>Journal of Organic Chemistry</i> , 2005 , 70, 5717-20	4.2	456
148	Urea vs. thiourea in anion recognition. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 1495-500	3.9	321
147	Anion-induced urea deprotonation. <i>Chemistry - A European Journal</i> , 2005 , 11, 3097-104	4.8	240
146	Some guidelines for the design of anion receptors. <i>Coordination Chemistry Reviews</i> , 2006 , 250, 1451-1470	3.2	222
145	Macrocyclic receptor exhibiting unprecedented selectivity for light lanthanides. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3331-41	16.4	100
144	Chiral receptors for phosphate ions. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2632-9	3.9	90
143	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, 7840-51	5.1	76
142	Hyperfine coupling constants on inner-sphere water molecules of Gd(III)-based MRI contrast agents. <i>ChemPhysChem</i> , 2012 , 13, 3640-50	3.2	72
141	Lanthanide dota-like complexes containing a picolinate pendant: structural entry for the design of Ln(III)-based luminescent probes. <i>Inorganic Chemistry</i> , 2011 , 50, 4125-41	5.1	69
140	Monopicolinate cyclen and cyclam derivatives for stable copper(II) complexation. <i>Inorganic Chemistry</i> , 2012 , 51, 6916-27	5.1	67
139	Lead(II) thiocyanate complexes with bibracchial lariat ethers: an X-ray and DFT study. <i>Inorganic Chemistry</i> , 2005 , 44, 2224-33	5.1	62
138	Metal-enhanced H-bond donor tendencies of urea and thiourea toward anions: ditopic receptors for silver(I) salts. <i>Inorganic Chemistry</i> , 2005 , 44, 8690-8	5.1	62
137	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, 2509-21	5.1	58
136	Understanding stability trends along the lanthanide series. <i>Chemistry - A European Journal</i> , 2014 , 20, 3974-81	4.8	57
135	Zn(II), Cd(II) and Pb(II) complexation with pyridinecarboxylate containing ligands. <i>Dalton Transactions</i> , 2008 , 5754-65	4.3	56

134	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, 3772-84	5.1	52
133	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 ³⁺ complex. <i>Inorganic Chemistry</i> , 2009 , 48, 8878-89	5.1	51
132	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, 9704-13	5.1	50
131	Stable Mn(2+), Cu(2+) and Ln(3+) complexes with cyclen-based ligands functionalized with picolinate pendant arms. <i>Dalton Transactions</i> , 2015 , 44, 5017-31	4.3	49
130	Lone-pair activity in lead(II) complexes with unsymmetrical lariat ethers. <i>Inorganic Chemistry</i> , 2006 , 45, 5407-16	5.1	48
129	A two-channel chemosensor for the optical detection of carboxylic acids, including cholic acid. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2670		47
128	Density functional dependence of molecular geometries in lanthanide(III) complexes relevant to bioanalytical and biomedical applications. <i>Computational and Theoretical Chemistry</i> , 2012 , 999, 93-104	2	45
127	Mn(II) compounds as an alternative to Gd-based MRI probes. <i>Future Medicinal Chemistry</i> , 2019 , 11, 1461-1483	14.83	44
126	Lanthanide(III) complexes with a reinforced cyclam ligand show unprecedented kinetic inertness. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17954-7	16.4	44
125	Lead(II) complexes with macrocyclic receptors derived from 4,13-diaza-18-crown-6. <i>Inorganic Chemistry</i> , 2002 , 41, 4337-47	5.1	44
124	17 O and 1H relaxometric and DFT study of hyperfine coupling constants in [Mn(H ₂ O) ₆] ²⁺ . <i>RSC Advances</i> , 2014 , 4, 7094	3.7	43
123	Magnetic Anisotropies in Rhombic Lanthanide(III) Complexes Do Not Conform to Bleaney's Theory. <i>Inorganic Chemistry</i> , 2016 , 55, 3490-7	5.1	41
122	Applications of Density Functional Theory (DFT) to Investigate the Structural, Spectroscopic and Magnetic Properties of Lanthanide(III) Complexes. <i>Current Inorganic Chemistry</i> , 2011 , 1, 91-116		41
121	Hyperfine coupling constants on inner-sphere water molecules of a triazacyclononane-based Mn(II) complex and related systems relevant as MRI contrast agents. <i>Inorganic Chemistry</i> , 2013 , 52, 11173-84	5.1	39
120	Seven-coordination versus six-coordination in divalent first-row transition-metal complexes derived from 1,10-diaza-15-crown-5. <i>Inorganic Chemistry</i> , 2007 , 46, 8271-82	5.1	38
119	Solution structure of Ln(III) complexes with macrocyclic ligands through theoretical evaluation of 1H NMR contact shifts. <i>Inorganic Chemistry</i> , 2012 , 51, 13419-29	5.1	36
118	Definition of an intramolecular Eu-to-Eu energy transfer within a discrete [Eu ₂ L] complex in solution. <i>Chemistry - A European Journal</i> , 2012 , 18, 8163-73	4.8	35
117	Cadmium(II) and Lead(II) Complexes with Novel Macrocyclic Receptors Derived from 1,10-Diaza-15-crown-5. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 1445-1456	2.3	35

116	Characterisation of magnetic resonance imaging (MRI) contrast agents using NMR relaxometry. <i>Molecular Physics</i> , 2019 , 117, 898-909	1.7	34
115	Stabilizing divalent europium in aqueous solution using size-discrimination and electrostatic effects. <i>Inorganic Chemistry</i> , 2015 , 54, 4940-52	5.1	33
114	Mono-, bi-, and trinuclear bis-hydrated Mn(2+) complexes as potential MRI contrast agents. <i>Inorganic Chemistry</i> , 2015 , 54, 9576-87	5.1	33
113	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, 11821-31	5.1	33
112	Developing the family of picolinate ligands for Mn complexation. <i>Dalton Transactions</i> , 2017 , 46, 1546-1558	5.1	31
111	Templating Schiff-base lateral macrobicycles: an experimental and theoretical structural study of the intermediates. <i>Inorganic Chemistry</i> , 2003 , 42, 4299-307	5.1	30
110	Copper complexes with bibracchial lariat ethers: from mono- to binuclear structures. <i>Inorganica Chimica Acta</i> , 2001 , 317, 190-198	2.7	30
109	Lanthanide complexes based on a diazapyridinophane platform containing picolinate pendants. <i>Inorganic Chemistry</i> , 2012 , 51, 10893-903	5.1	29
108	Molecular recognition of sialic acid by lanthanide(III) complexes through cooperative two-site binding. <i>Inorganic Chemistry</i> , 2010 , 49, 4212-23	5.1	29
107	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. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3586-3595	2.3	28
106	Reasons behind the relative abundances of heptacoordinate complexes along the late first-row transition metal series. <i>Inorganic Chemistry</i> , 2014 , 53, 12859-69	5.1	27
105	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, 2554-68	5.1	27
104	Barium Templating Schiff-Base Lateral Macrobicycles. <i>Inorganic Chemistry</i> , 1999 , 38, 1937-1944	5.1	27
103	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	4.8	27
102	Gd(3+)-Based Magnetic Resonance Imaging Contrast Agent Responsive to Zn(2+). <i>Inorganic Chemistry</i> , 2015 , 54, 10342-50	5.1	26
101	Highly relaxing gadolinium based MRI contrast agents responsive to Mg ²⁺ sensing. <i>Chemical Communications</i> , 2012 , 48, 4085-7	5.8	26
100	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, 384-92	4.3	26
99	Expanding the Family of Pycen-Based Ligands Bearing Pendant Picolinate Arms for Lanthanide Complexation. <i>Inorganic Chemistry</i> , 2018 , 57, 6932-6945	5.1	25

98	High relaxivity Mn(2+)-based MRI contrast agents. <i>Chemistry - A European Journal</i> , 2014 , 20, 17300-5	4.8	24
97	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	3.2	24
96	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. <i>Dalton Transactions</i> , 2019 , 48, 11161-11180	4.3	23
95	Taking the next step toward inert Mn ²⁺ complexes of open-chain ligands: the case of the rigid PhDTA ligand. <i>New Journal of Chemistry</i> , 2018 , 42, 8001-8011	3.6	23
94	Metal-Organic Self-Assembled Trefoil Knots for C-Br Bond Activation. <i>ACS Catalysis</i> , 2019 , 9, 1907-1914	13.1	22
93	Metal Ion Complementarity: Effect of Ring-Size Variation on the Conformation and Stability of Lead(II) and Cadmium(II) Complexes with Pendant-Armed Crowns. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2198-2207	2.3	21
92	Complexation of Ln(3+) Ions with Cyclam Dipicolinates: A Small Bridge that Makes Huge Differences in Structure, Equilibrium, and Kinetic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 2227-39	5.1	20
91	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, 6535-46	4.8	20
90	Selective chelation of Cd(II) and Pb(II) versus Ca(II) and Zn(II) by using octadentate ligands containing pyridinecarboxylate and pyridyl pendants. <i>Inorganic Chemistry</i> , 2009 , 48, 10976-87	5.1	20
89	Protonated macrobicyclic hosts containing pyridine head units for anion recognition. <i>Chemistry - A European Journal</i> , 2008 , 14, 5829-38	4.8	20
88	Lateral macrobicyclic architectures: toward new lead(II) sequestering agents. <i>Inorganic Chemistry</i> , 2005 , 44, 5428-36	5.1	20
87	Optimising the relaxivities of Mn complexes by targeting human serum albumin (HSA). <i>Dalton Transactions</i> , 2017 , 46, 8494-8504	4.3	20
86	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	4.3	20
85	Enantiomeric Recognition of d- and l-Lactate by CEST with the Aid of a Paramagnetic Shift Reagent. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17431-17437	16.4	19
84	Stable and Inert Yttrium(III) Complexes with Pyclen-Based Ligands Bearing Pendant Picolinate Arms: Toward New Pharmaceuticals for Radiotherapy. <i>Inorganic Chemistry</i> , 2018 , 57, 2051-2063	5.1	18
83	The role of the capping bond effect on pyclen Y/Y chelates: full control of the regiospecific N-functionalization makes the difference. <i>Chemical Communications</i> , 2017 , 53, 9534-9537	5.8	18
82	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 3732-3743	5.1	17
81	Self-aggregated dinuclear lanthanide(III) complexes as potential bimodal probes for magnetic resonance and optical imaging. <i>Chemistry - A European Journal</i> , 2013 , 19, 11696-706	4.8	17

80	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 1110-1117	4.8	17
79	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	4.8	17
78	Coordination Properties of GdDO3A-Based Model Compounds of Bioresponsive MRI Contrast Agents. <i>Inorganic Chemistry</i> , 2018 , 57, 5973-5986	5.1	16
77	Ditopic receptors containing urea groups for solvent extraction of Cu(ii) salts. <i>Dalton Transactions</i> , 2017 , 46, 3192-3206	4.3	15
76	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	5.1	15
75	Macrocyclic Receptor Showing Improved PbII/ZnII and PbII/CoII Selectivities. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 2495-2503	2.3	15
74	Effect of Protonation and Interaction with Anions on a Lead(II) Complex with a Lateral Macrobicycle Containing a Phenol Schiff-Base Spacer. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1635-1643	2.3	15
73	Lanthanide Complexes with H paraCEST and F Response for Magnetic Resonance Imaging Applications. <i>Inorganic Chemistry</i> , 2019 , 58, 7571-7583	5.1	14
72	Reinforced Ni(ii)-cyclam derivatives as dual H/F MRI probes. <i>Chemical Communications</i> , 2019 , 55, 4115-4118	5.1	14
71	Exceptionally Inert Lanthanide(III) PARACEST MRI Contrast Agents Based on an 18-Membered Macrocyclic Platform. <i>Chemistry - A European Journal</i> , 2015 , 21, 18662-70	4.8	14
70	Transient versus Static Electron Spin Relaxation in Mn(2+) Complexes Relevant as MRI Contrast Agents. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6467-76	2.8	14
69	Accelerating water exchange in Gd-DO3A-derivatives by favouring the dissociative mechanism through hydrogen bonding. <i>Chemical Communications</i> , 2019 , 55, 513-516	5.8	13
68	Designing binuclear transition metal complexes: a new example of the versatility of N,N'-bis(2-aminobenzyl)-4,13-diaza-18-crown-6. <i>Dalton Transactions</i> , 2005 , 2031-7	4.3	13
67	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,	4.8	13
66	1,4,7-Triazacyclononane-Based Bifunctional Picolinate Ligands for Efficient Copper Complexation. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2435-2443	2.3	12
65	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg over Cu, Zn and Cd. <i>Dalton Transactions</i> , 2016 , 45, 15211-15224	4.3	12
64	Dimer formation of GdDO3A-arylsulfonamide complexes causes loss of pH-dependency of relaxivity. <i>Dalton Transactions</i> , 2017 , 46, 16828-16836	4.3	12
63	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	5.1	12

62	Gadolinium(III)-Based Dual H/ F Magnetic Resonance Imaging Probes. <i>Chemistry - A European Journal</i> , 2019 , 25, 4782-4792	4.8	11
61	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	5.1	11
60	Long Wavelength Excitation of Europium Luminescence in Extended, Carboline-Based Cryptates. <i>Inorganic Chemistry</i> , 2018 , 57, 7390-7401	5.1	11
59	Anion Coordination Effect on the Nuclearity of Coll, NIII, Cull, and ZnII Complexes with a Benzimidazole Pendant-Armed Crown. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 400-411	2.3	11
58	Receptor versus Counterion: Capability of N,N'-Bis(2-aminobenzyl)-diazacrowns for Giving Endo- and/or Exocyclic Coordination of ZnII. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1874-1883	2.3	11
57	Synthesis and structural characterisation of lead(II) isothiocyanate complexes with receptors derived from 1,10-diaza-15-crown-5. <i>Polyhedron</i> , 2003 , 22, 2709-2717	2.7	11
56	Chapter 2:Gadolinium-based Contrast Agents. <i>New Developments in NMR</i> , 2017 , 121-242	0.9	11
55	The Relationship between NMR Chemical Shifts of Thermally Polarized and Hyperpolarized Y Complexes and Their Solution Structures. <i>Chemistry - A European Journal</i> , 2016 , 22, 16657-16667	4.8	11
54	On the consequences of the stereochemical activity of the Bi(iii) 6s lone pair in cyclen-based complexes. The [Bi(DO3A)] case. <i>Dalton Transactions</i> , 2018 , 47, 13830-13842	4.3	11
53	Toward inert paramagnetic Ni(ii)-based chemical exchange saturation transfer MRI agents. <i>Dalton Transactions</i> , 2017 , 46, 15095-15106	4.3	10
52	Controlling water exchange rates in potential Mn-based MRI agents derived from NO2A. <i>Dalton Transactions</i> , 2019 , 48, 3962-3972	4.3	10
51	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	5.1	10
50	Highly Stable Complexes of Divalent Metal Ions (Mg ²⁺ , Ca ²⁺ , Cu ²⁺ , Zn ²⁺ , Cd ²⁺ , and Pb ²⁺) with a DOTA-Like Ligand Containing a Picolate Pendant. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 6165-6173	2.3	10
49	Lead(II) Complexes of Lateral Macrobicyclic Receptors That Incorporate a Crown Moiety and a Pyridine Head Unit. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 5027-5034	2.3	10
48	Combined NMR, DFT and X-ray studies highlight structural and hydration changes of [Ln(AAZTA)] ⁺ complexes across the series. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 795-803	6.8	10
47	Methylthiazolyl Tacn Ligands for Copper Complexation and Their Bifunctional Chelating Agent Derivatives for Bioconjugation and Copper-64 Radiolabeling: An Example with Bombesin. <i>Inorganic Chemistry</i> , 2019 , 58, 2669-2685	5.1	8
46	Modulating the DNA cleavage ability of copper(II) Schiff bases through ternary complex formation. <i>New Journal of Chemistry</i> , 2018 , 42, 15170-15183	3.6	8
45	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	3.6	8

44	Barium(II) thiocyanate templating Schiff-base lateral macrobicycles derived from 1,10-diaza-15-crown-5. <i>Polyhedron</i> , 2005 , 24, 289-294	2.7	8
43	Spectroscopic Properties of a Family of Mono- to Trinuclear Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2122-2129	2.3	7
42	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	5.1	6
41	A pentadentate member of the picolinate family for Mn(II) complexation and an amphiphilic derivative. <i>Dalton Transactions</i> , 2019 , 48, 696-710	4.3	6
40	Phosphate and polyphosphate anion recognition by a dinuclear copper(II) complex of an unsymmetrical squaramide. <i>Dalton Transactions</i> , 2019 , 48, 10104-10115	4.3	6
39	PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Gallium-68 Complexes at Physiological pH. <i>Chemistry - A European Journal</i> , 2019 , 25, 10698-10709	4.8	6
38	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	4.8	6
37	A merged experimental and theoretical conformational study on alkaline-earth complexes with lariat ethers derived from 4,13-diaza-18-crown-6. <i>Inorganica Chimica Acta</i> , 2011 , 370, 270-278	2.7	6
36	Binuclear Co(II), Ni(II), Cu(II) and Zn(II) complexes with Schiff-bases derived from crown ether platforms: Rare examples of ether oxygen atoms bridging metal centers. <i>Polyhedron</i> , 2010 , 29, 2269-2277	2.7	6
35	Synthesis and crystal structure of manganese(II) complexes with high-denticity ligands derived from azacrowns. <i>Polyhedron</i> , 2007 , 26, 4141-4146	2.7	6
34	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	2.8	5
33	Tuning the copper(II) coordination properties of cyclam by subtle chemical modifications. <i>Dalton Transactions</i> , 2017 , 46, 11479-11490	4.3	5
32	Conformational study of lanthanide(III) complexes of N-(2-salicylaldiminatobenzyl)-1-aza-18-crown-6 by using X-ray and ab initio methods. <i>Polyhedron</i> , 2008 , 27, 1415-1422	2.7	5
31	Mn Complexes Containing Sulfonamide Groups with pH-Responsive Relaxivity. <i>Inorganic Chemistry</i> , 2020 , 59, 14306-14317	5.1	5
30	A Schiff base lateral macrobicycles derived from 4,13-diaza-18-crown-6 in its protonated form. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, o92-4		4
29	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	7	4
28	Pyclen-Based Ligands Bearing Pendant Picolinate Arms for Gadolinium Complexation. <i>Inorganic Chemistry</i> , 2021 , 60, 2390-2405	5.1	4
27	Macrocyclic Pyclen-Based Gd Complex with High Relaxivity and pH Response. <i>Inorganic Chemistry</i> , 2020 , 59, 7306-7317	5.1	3

26	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	4.8	3
25	Inert macrocyclic Eu ³⁺ complex with affirmative paraCEST features. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2274-2286	6.8	3
24	Solid state and solution structures of alkaline-earth complexes with lariat ethers containing aniline and benzimidazole pendants. <i>Polyhedron</i> , 2012 , 31, 402-412	2.7	3
23	Cinderella Elements: Strategies to increase the stability of group 1 complexes by tailoring crown macrocycles. <i>Inorganica Chimica Acta</i> , 2014 , 417, 155-162	2.7	3
22	Water exchange rates and mechanisms in tetrahedral [Be(H ₂ O) ₄] ²⁺ and [Li(H ₂ O) ₄] ⁺ complexes using DFT methods and cluster-continuum models. <i>International Journal of Quantum Chemistry</i> , 2016 , 116, 1388-1396	2.1	3
21	Synthesis and Characterization of Positively Charged tris-Imidazolium Calix[6]arene Hosts for Anion Recognition. <i>ChemistrySelect</i> , 2019 , 4, 321-328	1.8	3
20	Rigidified Derivative of the Non-macrocyclic Ligand HOCTAPA for Stable Lanthanide(III) Complexation.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	3
19	endo- versus exo-Cyclic coordination in copper complexes with methylthiazolylcarboxylate tacn derivatives. <i>Dalton Transactions</i> , 2019 , 48, 8740-8755	4.3	2
18	A barium perchlorate complex with a lateral macrobicycle derived from 1,10-diaza-15-crown-5 containing a phenol Schiff base spacer. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m93-4		2
17	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	2.7	2
16	Chapter 5:Transition Metal-based T1 Contrast Agents. <i>New Developments in NMR</i> , 2017 , 448-478	0.9	2
15	Expanding the Ligand Classes Used for Mn(II) Complexation: Oxa-aza Macrocycles Make the Difference. <i>Molecules</i> , 2021 , 26,	4.8	2
14	Stability, relaxometric and computational studies on Mn complexes with ligands containing a cyclobutane scaffold. <i>Dalton Transactions</i> , 2021 , 50, 1076-1085	4.3	2
13	Scrutinising the role of intramolecular hydrogen bonding in water exchange dynamics of Gd(III) complexes. <i>Dalton Transactions</i> , 2021 , 50, 5506-5518	4.3	2
12	Electronic versus steric control in palladium complexes of carboranyl phosphine-iminophosphorane ligands. <i>Dalton Transactions</i> , 2019 , 48, 486-503	4.3	1
11	{4,10-Bis[2-(2-oxidobenzylideneamino-kappa2N,O)benzyl]-1,7-dioxa-4,10-diazacyclododecane-kappa4O1,N4,O3,N10]yt perchlorate acetonitrile solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006 , 62, m360-2		1
10	[7,13-Bis(2-aminobenzyl)-1,4,10-trioxa-7,13-diazacyclopentadecane]diisothiocyanatobarium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m16-7		1
9	A barium perchlorate complex with a lateral macrobicycle derived from 4,13-diaza-18-crown-6 containing a pyridine Schiff base spacer. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m450-1		1

8	Understanding the Effect of the Electron Spin Relaxation on the Relaxivities of Mn(II) Complexes with Triazacyclononane Derivatives. <i>Inorganic Chemistry</i> , 2021 , 60, 15055-15068	5.1	1
7	Lanthanide(III) Complexes Based on an 18-Membered Macrocyclic Containing Acetamide Pendants. Structural Characterization and paraCEST Properties. <i>Inorganic Chemistry</i> , 2021 , 60, 1902-1914	5.1	1
6	Modeling the OEC with Two New Biomimetic Models: Preparations, Structural Characterization, and Water Photolysis Studies of a BaMn Box Type Complex and a Mn ₄ N ₆ Planar-Diamond Cluster. <i>Catalysts</i> , 2018 , 8, 382	4	1
5	The critical role of ligand topology: strikingly different properties of Gd(III) complexes with regioisomeric AAZTA derivatives. <i>Inorganic Chemistry Frontiers</i> ,	6.8	1
4	Prediction of Gd(III) complex thermodynamic stability. <i>Coordination Chemistry Reviews</i> , 2022 , 467, 214606	5.2	1
3	Rigid versions of PDTA incorporating a 1,3-diaminocyclobutyl spacer for Mn complexation: stability, water exchange dynamics and relaxivity. <i>Dalton Transactions</i> , 2021 , 50, 16290-16303	4.3	0
2	Ditopic binuclear copper(II) complexes for DNA cleavage. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 110995	4.2	0
1	Complexation of -Functionalized Cyclams with Copper(II) and Zinc(II): Similarities and Changes When Compared to Parent Cyclam Analogues. <i>Inorganic Chemistry</i> , 2021 , 60, 10857-10872	5.1	0