

# Aurora RodrÃ-guez-RodrÃ-guez

## List of Publications by Year in descending order

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27  
papers

1,501  
citations

623188

14  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2037  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry of MRI Contrast Agents: Current Challenges and New Frontiers. <i>Chemical Reviews</i> , 2019, 119, 957-1057.	23.0	977
2	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.	1.9	63
3	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.	1.6	55
4	Lanthanide(III) Complexes with a Reinforced Cyclam Ligand Show Unprecedented Kinetic Inertness. <i>Journal of the American Chemical Society</i> , 2014, 136, 17954-17957.	6.6	53
5	Solution Structure of Ln(III) Complexes with Macrocyclic Ligands Through Theoretical Evaluation of <sup>1</sup> H NMR Contact Shifts. <i>Inorganic Chemistry</i> , 2012, 51, 13419-13429.	1.9	41
6	Water exchange in lanthanide complexes for MRI applications. Lessons learned over the last 25 years. <i>Dalton Transactions</i> , 2019, 48, 11161-11180.	1.6	41
7	Cooperative Luminescence and Cooperative Sensitisation Upconversion of Lanthanide Complexes in Solution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	35
8	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
9	Definition of the Labile Capping Bond Effect in Lanthanide Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 1110-1117.	1.7	24
10	High-resolution Imaging of Myeloperoxidase Activity Sensors in Human Cerebrovascular Disease. <i>Scientific Reports</i> , 2018, 8, 7687.	1.6	23
11	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
12	Peroxidase Sensitive Amplifiable Probe for Molecular Magnetic Resonance Imaging of Pulmonary Inflammation. <i>ACS Sensors</i> , 2019, 4, 2412-2419.	4.0	17
13	Cyclams with Ambidentate Methylthiazolyl Pendants for Stable, Inert, and Selective Cu(II) Coordination. <i>Inorganic Chemistry</i> , 2016, 55, 619-632.	1.9	15
14	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
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	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.	1.9	11
17	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.	1.2	10
18	Mn <sup>2+</sup> Complexes Containing Sulfonamide Groups with pH-Responsive Relaxivity. <i>Inorganic Chemistry</i> , 2020, 59, 14306-14317.	1.9	10

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19	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
20	Prediction of Gd(III) complex thermodynamic stability. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214606.	9.5	9
21	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
22	In situ decellularization of a large animal saccular aneurysm model: sustained inflammation and active aneurysm wall remodeling. <i>Journal of NeuroInterventional Surgery</i> , 2021, 13, 267-271.	2.0	5
23	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. <i>Dalton Transactions</i> , 2021, 50, 16290-16303.	1.6	5
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.	1.0	4
25	“Cinderella” elements: Strategies to increase the stability of group 1 complexes by tailoring crown macrocycles. <i>Inorganica Chimica Acta</i> , 2014, 417, 155-162.	1.2	4
26	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
27	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