Luciano Lattuada

List of Publications by Year
in descending order

21	481	759055 12	713332 21
papers	citations	h-index	g-index

21	21	21	667
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The synthesis and application of polyamino polycarboxylic bifunctional chelating agents. Chemical Society Reviews, 2011, 40, 3019.	18.7	153
2	Synthesis of Gd and ⁶⁸Ga Complexes in Conjugation with a Conformationally Optimized RGD Sequence as Potential MRI and PET Tumorâ€imaging Probes. ChemMedChem, 2012, 7, 1084-1093.	1.6	53
3	One-Pot Mitsunobu-Staudinger Preparation of 3-Aminocholan-24-oic Acid Esters from 3-Hydroxycholan-24-oic Acid Esters. Synthetic Communications, 1998, 28, 109-117.	1.1	41
4	Synthesis of Gd-DTPA-cholesterol: a new lipophilic gadolinium complex as a potential MRI contrast agent. Tetrahedron Letters, 2003, 44, 3893-3895.	0.7	34
5	Variation of water exchange dynamics with ligand structure and stereochemistry in lanthanide complexes based on 1,4-diazepine derivatives. Organic and Biomolecular Chemistry, 2009, 7, 1120.	1.5	34
6	Exploiting the Proton Exchange as an Additional Route to Enhance the Relaxivity of Paramagnetic MRI Contrast Agents. Inorganic Chemistry, 2018, 57, 5567-5574.	1.9	23
7	Macrocyclic paramagnetic agents for MRI: Determinants of relaxivity and strategies for their improvement. Magnetic Resonance in Medicine, 2017, 78, 1523-1532.	1.9	21
8	AMPED: a new platform for picolinate based luminescent lanthanide chelates. Dalton Transactions, 2015, 44, 7654-7661.	1.6	18
9	An enzymatic approach to bifunctional chelating agents. Organic and Biomolecular Chemistry, 2014, 12, 6915-6921.	1.5	17
10	Scale-Up of Trisodium [(3Î²,5Î²,12Î±)-3-[[4(S)-4-[Bis[2-[bis[(carboxy-kO)methyl]amino-kN]ethyl]amino-kN]-4-(carboxy-kO)-1 a Gd(III) Complex under Development As a Contrast Agent for MRI Coronary Angiography. Organic Process Research and Development, 2009, 13, 739-746.	1.3	14
11	Synthesis of phosphonic analogues of AAZTAâ€AAZTA=6-Amino-6-methylperhydro-1,4-diazepine-N,Nâ€²,Nâ€³,Nâ€³-tetraacetic acid.â€ and relaxometric evaluation of the corresponding Gd(III) complexes as potential MRI contrast agents. Tetrahedron Letters, 2015, 56, 1994-1997.	0.7	13
12	Exploring the intramolecular catalysis of the proton exchange process to modulate the relaxivity of Gd(<scp>iii</scp>)-complexes of HP-DO3A-like ligands. Chemical Communications, 2018, 54, 10056-10059.	2.2	13
13	PIDAZTA: Structurally Constrained Chelators for the Efficient Formation of Stable Galliumâ€68 Complexes at Physiological pH. Chemistry - A European Journal, 2019, 25, 10698-10709.	1.7	11
14	Enhanced relaxivity of Gd^{III}-complexes with HP-DO3A-like ligands upon the activation of the intramolecular catalysis of the prototropic exchange. Inorganic Chemistry Frontiers, 2021, 8, 1500-1510.	3.0	9
15	Supramolecular adducts between macrocyclic Gd(<scp>iii</scp>) complexes and polyaromatic systems: a route to enhance the relaxivity through the formation of hydrophobic interactions. Chemical Science, 2021, 12, 1368-1377.	3.7	7
16	AAZTA: The rise of mesocyclic chelating agents for metal coordination in medicine. Coordination Chemistry Reviews, 2021, 438, 213908.	9.5	7
17	Recent Advances in Bifunctional Paramagnetic Chelates for MRI. Israel Journal of Chemistry, 2017, 57, 825-832.	1.0	6
18	H-Bonding and intramolecular catalysis of proton exchange affect the CEST properties of Eu^{III} complexes with HP-DO3A-like ligands. Chemical Communications, 2021, 57, 3287-3290.	2.2	3

#	Article	IF	Citations
19	Chapter 5.1. MRI Contrast Agents: Synthesis, Applications and Perspectives. RSC Drug Discovery Series, 2011, , 173-207.	0.2	2
20	First synthesis of orthogonally 1,7-diprotected cyclens. Organic Chemistry Frontiers, 2019, 6, 1387-1390.	2.3	1
21	Synthesis of Two Novel Mixed Bifunctional Chelating Agents: DO2AP(tBu)4 and DO3AP(tBu)4. Synlett, 2020, 31, 1291-1294.	1.0	1