

Andre F Martins

List of Publications by Year in descending order

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43
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citations

393982

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48
all docs

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docs citations

48
times ranked

1480
citing authors

#	ARTICLE	IF	CITATIONS
1	A Single-Pot Template Reaction Towards a Manganese-Based T ₁ Contrast Agent. <i>Angewandte Chemie</i> , 2021, 133, 10831-10839.	1.6	2
2	A Single-Pot Template Reaction Towards a Manganese-Based T ₁ Contrast Agent. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10736-10744.	7.2	38
3	A Protein-Based Biosensor for Detecting Calcium by Magnetic Resonance Imaging. <i>ACS Sensors</i> , 2021, 6, 3163-3169.	4.0	8
4	Manganese(II)-Based Responsive Contrast Agent Detects Glucose-Stimulated Zinc Secretion from the Mouse Pancreas and Prostate by MRI. <i>Inorganic Chemistry</i> , 2021, 60, 2168-2177.	1.9	18
5	A T ₂ MRI Dy-based contrast agent for direct pH imaging using a ratiometric approach. <i>Dalton Transactions</i> , 2021, 50, 2014-2017.	1.6	1
6	Synchrotron Radiation X-ray Fluorescence Elemental Mapping in Healthy versus Malignant Prostate Tissues Provides New Insights into the Glucose-Stimulated Zinc Trafficking in the Prostate As Discovered by MRI. <i>Inorganic Chemistry</i> , 2019, 58, 13654-13660.	1.9	11
7	A Responsive Magnetic Resonance Imaging Contrast Agent for Detection of Excess Copper(II) in the Liver <i>In Vivo</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 11009-11018.	6.6	33
8	Smart MRI Agents for Detecting Extracellular Events In Vivo: Progress and Challenges. <i>Inorganics</i> , 2019, 7, 18.	1.2	12
9	Imaging Insulin Secretion from Mouse Pancreas by MRI Is Improved by Use of a Zinc-Responsive MRI Sensor with Lower Affinity for Zn ²⁺ Ions. <i>Journal of the American Chemical Society</i> , 2018, 140, 17456-17464.	6.6	61
10	Nitroxyl Modified Tobacco Mosaic Virus as a Metal-Free High-Relaxivity MRI and EPR Active Superoxide Sensor. <i>Molecular Pharmaceutics</i> , 2018, 15, 2973-2983.	2.3	39
11	Influence of Dy ³⁺ and Tb ³⁺ doping on ¹³ C dynamic nuclear polarization. <i>Journal of Chemical Physics</i> , 2017, 146, 014303.	1.2	14
12	Imaging Extracellular Lactate In Vitro and In Vivo Using CEST MRI and a Paramagnetic Shift Reagent. <i>Chemistry - A European Journal</i> , 2017, 23, 1752-1756.	1.7	25
13	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.	6.6	26
14	Protonation of carboxyl groups in EuDOTA-tetraamide complexes results in catalytic prototropic exchange and quenching of the CEST signal. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20170113.	1.6	5
15	Lanthanide-Based T ₂ and CEST Complexes Provide Insights into the Design of pH Sensitive MRI Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16626-16630.	7.2	20
16	Lanthanide DO3A-Tropone Complexes: Efficient Dual MR/NIR Imaging Probes in Aqueous Medium. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4965-4968.	1.0	12
17	Zinc as an Imaging Biomarker of Prostate Cancer. <i>Israel Journal of Chemistry</i> , 2017, 57, 854-861.	1.0	16
18	Lanthanide DO3A-Tropone Complexes: Efficient Dual MR/NIR Imaging Probes in Aqueous Medium. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4963-4963.	1.0	0

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19	Transition Metal Doping Reveals Link between Electron $T_{1\rho}$ Reduction and ^{13}C Dynamic Nuclear Polarization Efficiency. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9221-9228.	1.1	12
20	Lanthanide-Based $T_{2\rho}$ and CEST Complexes Provide Insights into the Design of pH Sensitive MRI Agents. <i>Angewandte Chemie</i> , 2017, 129, 16853-16857.	1.6	2
21	Front Cover: Lanthanide DO3A-Tropone Complexes: Efficient Dual MR/NIR Imaging Probes in Aqueous Medium (<i>Eur. J. Inorg. Chem.</i> 43/2017). <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4962-4962.	1.0	0
22	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
23	Unexpected Changes in the Population of Coordination Isomers for the Lanthanide Ion Complexes of DOTMA-Tetraglycinate. <i>Inorganic Chemistry</i> , 2016, 55, 9297-9305.	1.9	18
24	Impact of Ho $^{3+}$ -doping on ^{13}C dynamic nuclear polarization using trityl OX063 free radical. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21351-21359.	1.3	16
25	Associating a negatively charged GdDOTA-derivative to the Pittsburgh compound B for targeting A β^2 amyloid aggregates. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 83-99.	1.1	19
26	Gallium-68 Complexes Conjugated to Pittsburgh Compound B: Radiolabeling and Biological Evaluation. <i>Molecular Imaging and Biology</i> , 2016, 18, 334-343.	1.3	16
27	Basic MR relaxation mechanisms and contrast agent design. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 545-565.	1.9	139
28	Interaction of PiB-Derivative Metal Complexes with Beta-Amyloid Peptides: Selective Recognition of the Aggregated Forms. <i>Chemistry - A European Journal</i> , 2015, 21, 5413-5422.	1.7	28
29	Amplifying the Sensitivity of Zinc(II) Responsive MRI Contrast Agents by Altering Water Exchange Rates. <i>Journal of the American Chemical Society</i> , 2015, 137, 14173-14179.	6.6	67
30	Gd $^{3+}$ complexes conjugated to Pittsburgh compound B: potential MRI markers of β^2 -amyloid plaques. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 281-295.	1.1	42
31	Ln[DO3A-N-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. <i>Dalton Transactions</i> , 2014, 43, 3162-3173.	1.6	14
32	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.	1.7	29
33	PiB-Conjugated, Metal-Based Imaging Probes: Multimodal Approaches for the Visualization of β^2 -Amyloid Plaques. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 436-440.	1.3	48
34	Spectroscopic, radiochemical, and theoretical studies of the Ga $^{3+}$ -N-(2-hydroxyethyl)piperazine-2-ethanesulfonic acid (HEPES buffer) system: evidence for the formation of Ga $^{3+}$ -HEPES complexes in ^{68}Ga labeling reactions. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 265-273.	0.4	21
35	Amide conjugates of the DO3A-N-(amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 40-49.	0.4	9
36	A biophysical approach to menadione membrane interactions: Relevance for menadione-induced mitochondria dysfunction and related deleterious/therapeutic effects. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1899-1908.	1.4	30

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37	New tris-3,4-HOPO lanthanide complexes as potential imaging probes: complex stability and magnetic properties. Dalton Transactions, 2013, 42, 6046.	1.6	28
38	Tris(phosphonomethyl)cyclen Derivatives: Thermodynamic Stability, Kinetics, Solution Structure, and Relaxivity of Ln ³⁺ Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 2548-2559.	1.0	5
39	Nimesulide interaction with membrane model systems: Are membrane physical effects involved in nimesulide mitochondrial toxicity?. Toxicology in Vitro, 2011, 25, 1215-1223.	1.1	22
40	Interaction of carbonylcyanide p-trifluoromethoxyphenylhydrazone (FCCP) with lipid membrane systems: a biophysical approach with relevance to mitochondrial uncoupling. Journal of Bioenergetics and Biomembranes, 2011, 43, 287-298.	1.0	17
41	A gallium complex with a new tripodal tris-hydroxypyridinone for potential nuclear diagnostic imaging: solution and in vivo studies of ⁶⁷ Ga-labeled species. Journal of Inorganic Biochemistry, 2011, 105, 31-38.	1.5	47
42	Lanthanide chelates of (bis)-hydroxymethyl-substituted DTTA with potential application as contrast agents in magnetic resonance imaging. Dalton Transactions, 2009, , 4656.	1.6	18
43	Gd(DO3A-N [±] -aminopropionate): a versatile and easily available synthon with optimized water exchange for the synthesis of high relaxivity, targeted MRI contrast agents. Chemical Communications, 2009, , 6475.	2.2	37