

Jose A Martins

List of Publications by Year in descending order

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52
papers

1,003
citations

430442

18
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454577

30
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all docs

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docs citations

52
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanide(III) Complexes of DOTA-Glycoconjugates: A Potential New Class of Lectin-Mediated Medical Imaging Agents. <i>Chemistry - A European Journal</i> , 2004, 10, 5804-5816.	1.7	88
2	Self-Assembled Nanoparticles of Dextrin Substituted with Hexadecanethiol. <i>Biomacromolecules</i> , 2007, 8, 392-398.	2.6	61
3	Gold nanoparticles functionalised with stable, fast water exchanging Gd ³⁺ chelates as high relaxivity contrast agents for MRI. <i>Dalton Transactions</i> , 2012, 41, 5472.	1.6	58
4	Supramolecular Assembly of an Amphiphilic GdIII Chelate: Tuning the Reorientational Correlation Time and the Water Exchange Rate. <i>Chemistry - A European Journal</i> , 2006, 12, 940-948.	1.7	56
5	Immobilisation on polystyrene of diazirine derivatives of mono- and disaccharides: biological activities of modified surfaces. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2943-2953.	1.4	47
6	Magnetic Dehydrodiptide-Based Self-Assembled Hydrogels for Theragnostic Applications. <i>Nanomaterials</i> , 2019, 9, 541.	1.9	41
7	Dehydrodiptide Hydrogelators Containing Naproxen N-Capped Tryptophan: Self-Assembly, Hydrogel Characterization, and Evaluation as Potential Drug Nanocarriers. <i>Biomacromolecules</i> , 2015, 16, 3562-3573.	2.6	38
8	Gd(DO3A-N- β -aminopropionate): a versatile and easily available synthon with optimized water exchange for the synthesis of high relaxivity, targeted MRI contrast agents. <i>Chemical Communications</i> , 2009, , 6475.	2.2	37
9	Self-assembled RGD dehydropeptide hydrogels for drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8607-8617.	2.9	35
10	Targeting of lanthanide(III) chelates of DOTA-type glycoconjugates to the hepatic asialoglycoprotein receptor: cell internalization and animal imaging studies. <i>Contrast Media and Molecular Imaging</i> , 2006, 1, 246-258.	0.4	31
11	New self-assembled supramolecular hydrogels based on dehydropeptides. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6355-6367.	2.9	30
12	Magnetogels: Prospects and Main Challenges in Biomedical Applications. <i>Pharmaceutics</i> , 2018, 10, 145.	2.0	28
13	Dehydropeptide-based plasmonic magnetogels: a supramolecular composite nanosystem for multimodal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 45-64.	2.9	27
14	Curcumin Encapsulated into Methoxy Poly(Ethylene Glycol) Poly(μ -Caprolactone) Nanoparticles Increases Cellular Uptake and Neuroprotective Effect in Glioma Cells. <i>Planta Medica</i> , 2017, 83, 434-444.	0.7	23
15	Supramolecular ultra-short carboxybenzyl-protected dehydropeptide-based hydrogels for drug delivery. <i>Materials Science and Engineering C</i> , 2021, 122, 111869.	3.8	21
16	Lanthanide(III) Chelates of DTPA Bis(amide) Glycoconjugates: Potential Imaging Agents Targeted at the Asialoglycoprotein Receptor. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2110-2119.	1.0	20
17	Gold nanoparticles functionalised with fast water exchanging Gd ³⁺ chelates: linker effects on the relaxivity. <i>Dalton Transactions</i> , 2015, 44, 4016-4031.	1.6	19
18	Lanthanide chelates of (bis)-hydroxymethyl-substituted DTTA with potential application as contrast agents in magnetic resonance imaging. <i>Dalton Transactions</i> , 2009, , 4656.	1.6	18

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19	Impact of Citrate and Lipid-Functionalized Magnetic Nanoparticles in Dehydropeptide Supramolecular Magnetogels: Properties, Design and Drug Release. <i>Nanomaterials</i> , 2021, 11, 16.	1.9	18
20	New dextrin nanomagnetogels as contrast agents for magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5853.	2.9	17
21	Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide. <i>Advanced Functional Materials</i> , 2016, 26, 687-697.	7.8	17
22	Novel dehydropeptide-based magnetogels containing manganese ferrite nanoparticles as antitumor drug nanocarriers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10377-10390.	1.3	17
23	Fluorescence-Lifetime Imaging and Super-Resolution Microscopies Shed Light on the Directed and Self-Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. <i>Chemistry - A European Journal</i> , 2017, 23, 9772-9789.	1.7	16
24	Biological Evaluation of Naproxen-Dehydrodipeptide Conjugates with Self-Hydrogelation Capacity as Dual LOX/COX Inhibitors. <i>Pharmaceutics</i> , 2020, 12, 122.	2.0	16
25	ToF-SIMS and XPS study of photoactivatable reagents designed for surface glycoengineering. Part III. 5-Carboxamidopentyl-N-[m-[3-(trifluoromethyl)diazirin-3-yl]phenyl- β -D-galactopyranosyl]-(1 \rightarrow 4)-1-thio- β -D-glucopyranoside (lactose aryl diazirine) on diam. <i>Surface and Interface Analysis</i> , 2001, 31, 457-464.	1.5	15
26	Gd(III)-EPTPAC ₁₆ , a new self-assembling potential liver MRI contrast agent: <i>in vitro</i> characterization and <i>in vivo</i> animal imaging studies. <i>NMR in Biomedicine</i> , 2008, 21, 322-336.	1.6	14
27	Ln[DO3A-N-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. <i>Dalton Transactions</i> , 2014, 43, 3162-3173.	1.6	14
28	Lysozyme and bovine serum albumin partitioning in polyethylene glycol-phenylalanine conjugate polymer/salt aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2012, 322-323, 19-25.	1.4	13
29	Dehydropeptide Supramolecular Hydrogels and Nanostructures as Potential Peptidomimetic Biomedical Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2528.	1.8	13
30	Evaluation of a Model Photo-Caged Dehydropeptide as a Stimuli-Responsive Supramolecular Hydrogel. <i>Nanomaterials</i> , 2021, 11, 704.	1.9	13
31	Advances in the Synthesis of Homochiral (β)-1-Azafagomine and (+)-5-epi-1-Azafagomine. 1-Phenyl Carboxamide Derivatives of both Enantiomers of 1-Azafagomine: Leads for the Synthesis of Active β -Glycosidase Inhibitors.. <i>Journal of Organic Chemistry</i> , 2011, 76, 9584-9592.	1.7	12
32	Characterization of potential elastase inhibitor-peptides regulated by a molecular switch for wound dressings applications. <i>Enzyme and Microbial Technology</i> , 2012, 50, 107-114.	1.6	12
33	Exploring the properties and potential biomedical applications of NSAID-capped peptide hydrogels. <i>Soft Matter</i> , 2020, 16, 10001-10012.	1.2	12
34	Magnetoliposomes Incorporated in Peptide-Based Hydrogels: Towards Development of Magnetolipogels. <i>Nanomaterials</i> , 2020, 10, 1702.	1.9	10
35	Studies on the biodistribution of dextrin nanoparticles. <i>Nanotechnology</i> , 2010, 21, 295103.	1.3	9
36	Influence of secretory leukocyte protease inhibitor-based peptides on elastase activity and their incorporation in hyaluronic acid hydrogels for chronic wound therapy. <i>Biopolymers</i> , 2012, 98, 576-590.	1.2	9

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37	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
38	Dextrin-Based Nanomagnetogel: In Vivo Biodistribution and Stability. <i>Bioconjugate Chemistry</i> , 2015, 26, 699-706.	1.8	9
39	Radiolabelled ¹⁵³ Sm-chelates of glycoconjugates: multivalence and topology effects on the targeting of the asialoglycoprotein receptor. <i>Radiochimica Acta</i> , 2007, 95, .	0.5	8
40	H ₅ EPTPACH ₂ OH: Synthesis, Relaxometric Characterization and ¹ H NMR Spectroscopic Studies on the Solution Dynamics of Its Ln ^{III} Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5489-5499.	1.0	8
41	An injectable, naproxen-conjugated, supramolecular hydrogel with ultra-low critical gelation concentration [†] prepared from a known folate receptor ligand. <i>Soft Matter</i> , 2022, 18, 3955-3966.	1.2	8
42	Ga[NO ₂ A-N-(±-amino)propionate] chelates: synthesis and evaluation as potential tracers for ⁶⁸ Ga PET. <i>Dalton Transactions</i> , 2014, 43, 8037-8047.	1.6	7
43	Bolaamphiphilic Bis-Dehydropeptide Hydrogels as Potential Drug Release Systems. <i>Gels</i> , 2021, 7, 52.	2.1	7
44	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. <i>Reactive and Functional Polymers</i> , 2013, 73, 1357-1365.	2.0	6
45	The interaction of La ³⁺ complexes of DOTA/DTPA glycoconjugates with the RCA120 lectin: a saturation transfer difference NMR spectroscopic study. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 725-734.	1.1	5
46	Synthesis of 2,6-Bis(oxazolyl)pyridine Ligands for Luminescent Ln ^{III} Complexes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3905-3910.	1.2	4
47	Initial Screening of Poly(ethylene glycol) Amino Ligands for Affinity Purification of Plasmid DNA in Aqueous Two-Phase Systems. <i>Life</i> , 2021, 11, 1138.	1.1	3
48	Complexes of Bifunctional DO3A-N-(±-amino)propionate Ligands with Mg(II), Ca(II), Cu(II), Zn(II), and Lanthanide(III) Ions: Thermodynamic Stability, Formation and Dissociation Kinetics, and Solution Dynamic NMR Studies. <i>Molecules</i> , 2021, 26, 4956.	1.7	2
49	Curcumin loaded MPEG-PCL di-block copolymer nanoparticles protect glioma cells from oxidative damage. <i>Planta Medica</i> , 2014, 80, .	0.7	2
50	Cn microspheres as surrogate membranes in glycosidase-catalysed hydrolysis of glycolipids. <i>Chemical Communications</i> , 2004, , 198.	2.2	0
51	Synthesis and Characterisation of Dimeric Bolaamphiphilic Dehydrodipeptides for Biomedical Applications. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0
52	Delivery of Linear Gene-Editing Systems by Cell-Penetrating Magnetite Vehicles: Synthesis, Characterization and Preliminary In Vitro Testing. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0