Jose A Martins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2071051/publications.pdf

Version: 2024-02-01

52 papers	1,003 citations	430874 18 h-index	454955 30 g-index
52 all docs	52 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. Chemistry - A European Journal, 2004, 10, 5804-5816.	3.3	88
2	Self-Assembled Nanoparticles of Dextrin Substituted with Hexadecanethiol. Biomacromolecules, 2007, 8, 392-398.	5.4	61
3	Gold nanoparticles functionalised with stable, fast water exchanging Gd3+ chelates as high relaxivity contrast agents for MRI. Dalton Transactions, 2012, 41, 5472.	3.3	58
4	Supramolecular Assembly of an Amphiphilic GdIII Chelate: Tuning the Reorientational Correlation Time and the Water Exchange Rate. Chemistry - A European Journal, 2006, 12, 940-948.	3.3	56
5	Immobilisation on polystyrene of diazirine derivatives of mono- and disaccharides: biological activities of modified surfaces. Bioorganic and Medicinal Chemistry, 2001, 9, 2943-2953.	3.0	47
6	Magnetic Dehydrodipeptide-Based Self-Assembled Hydrogels for Theragnostic Applications. Nanomaterials, 2019, 9, 541.	4.1	41
7	Dehydrodipeptide Hydrogelators Containing Naproxen N-Capped Tryptophan: Self-Assembly, Hydrogel Characterization, and Evaluation as Potential Drug Nanocarriers. Biomacromolecules, 2015, 16, 3562-3573.	5.4	38
8	Gd(DO3A-N-Î±-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.	4.1	37
9	Self-assembled RGD dehydropeptide hydrogels for drug delivery applications. Journal of Materials Chemistry B, 2017, 5, 8607-8617.	5.8	35
10	Targeting of lanthanide(III) chelates of DOTA-type glycoconjugates to the hepatic asyaloglycoprotein receptor: cell internalization and animal imaging studies. Contrast Media and Molecular Imaging, 2006, 1, 246-258.	0.8	31
11	New self-assembled supramolecular hydrogels based on dehydropeptides. Journal of Materials Chemistry B, 2015, 3, 6355-6367.	5.8	30
12	Magnetogels: Prospects and Main Challenges in Biomedical Applications. Pharmaceutics, 2018, 10, 145.	4.5	28
13	Dehydropeptide-based plasmonic magnetogels: a supramolecular composite nanosystem for multimodal cancer therapy. Journal of Materials Chemistry B, 2020, 8, 45-64.	5.8	27
14	Curcumin Encapsulated into Methoxy Poly(Ethylene Glycol) Poly(Îµ-Caprolactone) Nanoparticles Increases Cellular Uptake and Neuroprotective Effect in Glioma Cells. Planta Medica, 2017, 83, 434-444.	1.3	23
15	Supramolecular ultra-short carboxybenzyl-protected dehydropeptide-based hydrogels for drug delivery. Materials Science and Engineering C, 2021, 122, 111869.	7.3	21
16	Lanthanide(III) Chelates of DTPA Bis(amide) Glycoconjugates: Potential Imaging Agents Targeted at the Asyaloglycoprotein Receptor. European Journal of Inorganic Chemistry, 2005, 2005, 2110-2119.	2.0	20
17	Gold nanoparticles functionalised with fast water exchanging Gd³⁺ chelates: linker effects on the relaxivity. Dalton Transactions, 2015, 44, 4016-4031.	3.3	19
18	Lanthanide chelates of (bis)-hydroxymethyl-substituted DTTA with potential application as contrast agents in magnetic resonance imaging. Dalton Transactions, 2009, , 4656.	3.3	18

#	Article	IF	Citations
19	Impact of Citrate and Lipid-Functionalized Magnetic Nanoparticles in Dehydropeptide Supramolecular Magnetogels: Properties, Design and Drug Release. Nanomaterials, 2021, 11, 16.	4.1	18
20	New dextrin nanomagnetogels as contrast agents for magnetic resonance imaging. Journal of Materials Chemistry B, 2013, 1, 5853.	5.8	17
21	Interactions between an Aryl Thioacetateâ€Functionalized Zn(II) Porphyrin and Graphene Oxide. Advanced Functional Materials, 2016, 26, 687-697.	14.9	17
22	Novel dehydropeptide-based magnetogels containing manganese ferrite nanoparticles as antitumor drug nanocarriers. Physical Chemistry Chemical Physics, 2019, 21, 10377-10390.	2.8	17
23	Fluorescenceâ€Lifetime Imaging and Superâ€Resolution Microscopies Shed Light on the Directedâ€and Selfâ€Assembly of Functional Porphyrins onto Carbon Nanotubes and Flat Surfaces. Chemistry - A European Journal, 2017, 23, 9772-9789.	3.3	16
24	Biological Evaluation of Naproxenâ€“Dehydrodipeptide Conjugates with Self-Hydrogelation Capacity as Dual LOX/COX Inhibitors. Pharmaceutics, 2020, 12, 122.	4.5	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-Î²-D-galactopyranosyl]-(1->4)-1-thio-Î²-D-glucopyranoside (lactose aryl diazirine) on diam. Surface and Interface Analysis, 2001, 31, 457-464.	1.4	15
26	Gd(III)â€EPTPAC₁₆, a new selfâ€assembling potential liver MRI contrast agent: in vitro characterization and in vivo animal imaging studies. NMR in Biomedicine, 2008, 21, 322-336.	2.8	14
27	Ln[DO3A-N-Î±-(pyrenebutanamido)propionate] complexes: optimized relaxivity and NIR optical properties. Dalton Transactions, 2014, 43, 3162-3173.	3.3	14
28	Lysozyme and bovine serum albumin partitioning in polyethylene glycolâ€“phenylalanine conjugate polymer/salt aqueous two-phase systems. Fluid Phase Equilibria, 2012, 322-323, 19-25.	2.5	13
29	Dehydropeptide Supramolecular Hydrogels and Nanostructures as Potential Peptidomimetic Biomedical Materials. International Journal of Molecular Sciences, 2021, 22, 2528.	4.1	13
30	Evaluation of a Model Photo-Caged Dehydropeptide as a Stimuli-Responsive Supramolecular Hydrogel. Nanomaterials, 2021, 11, 704.	4.1	13
31	Advances in the Synthesis of Homochiral (â^')-1-Azafagomine and (+)-5-epi-1-Azafagomine. 1-N-Phenyl Carboxamide Derivatives of both Enantiomers of 1-Azafagomine: Leads for the Synthesis of Active Î±-Glycosidase Inhibitors.. Journal of Organic Chemistry, 2011, 76, 9584-9592.	3.2	12
32	Characterization of potential elastase inhibitor-peptides regulated by a molecular switch for wound dressings applications. Enzyme and Microbial Technology, 2012, 50, 107-114.	3.2	12
33	Exploring the properties and potential biomedical applications of NSAID-capped peptide hydrogels. Soft Matter, 2020, 16, 10001-10012.	2.7	12
34	Magnetoliposomes Incorporated in Peptide-Based Hydrogels: Towards Development of Magnetolipogels. Nanomaterials, 2020, 10, 1702.	4.1	10
35	Studies on the biodistribution of dextrin nanoparticles. Nanotechnology, 2010, 21, 295103.	2.6	9
36	Influence of secretory leukocyte protease inhibitorâ€based peptides on elastase activity and their incorporation in hyaluronic acid hydrogels for chronic wound therapy. Biopolymers, 2012, 98, 576-590.	2.4	9

#	Article	IF	Citations
37	Amide conjugates of the DO3Aâ€Nâ€(Î±â€amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. Contrast Media and Molecular Imaging, 2013, 8, 40-49.	0.8	9
38	Dextrin-Based Nanomagnetogel: In Vivo Biodistribution and Stability. Bioconjugate Chemistry, 2015, 26, 699-706.	3.6	9
39	Radiolabelled 153Sm-chelates of glycoconjugates: multivalence and topology effects on the targeting of the asialoglycoprotein receptor. Radiochimica Acta, 2007, 95, .	1.2	8
40	H₅EPTPACH₂OH: Synthesis, Relaxometric Characterization and ¹H NMR Spectroscopic Studies on the Solution Dynamics of Its Ln^{III} Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 5489-5499.	2.0	8
41	An injectable, naproxen-conjugated, supramolecular hydrogel with ultra-low critical gelation concentrationâ€"prepared from a known folate receptor ligand. Soft Matter, 2022, 18, 3955-3966.	2.7	8
42	Ga[NO2A-N-(Î±-amino)propionate] chelates: synthesis and evaluation as potential tracers for ⁶⁸Ga PET. Dalton Transactions, 2014, 43, 8037-8047.	3.3	7
43	Bolaamphiphilic Bis-Dehydropeptide Hydrogels as Potential Drug Release Systems. Gels, 2021, 7, 52.	4.5	7
44	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. Reactive and Functional Polymers, 2013, 73, 1357-1365.	4.1	6
45	The interaction of La3+ complexes of DOTA/DTPA glycoconjugates with the RCA120 lectin: a saturation transfer difference NMR spectroscopic study. Journal of Biological Inorganic Chemistry, 2011, 16, 725-734.	2.6	5
46	Synthesis of 2,6â€Bis(oxazolyl)pyridine Ligands for Luminescent Ln^{III} Complexes. European Journal of Organic Chemistry, 2012, 2012, 3905-3910.	2.4	4
47	Initial Screening of Poly(ethylene glycol) Amino Ligands for Affinity Purification of Plasmid DNA in Aqueous Two-Phase Systems. Life, 2021, 11, 1138.	2.4	3
48	Complexes of Bifunctional DO3A-N-(Î±-amino)propinate 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. Molecules, 2021, 26, 4956.	3.8	2
49	Curcumin loaded MPEG-PCL di-block copolymer nanoparticles protect glioma cells from oxidative damage. Planta Medica, 2014, 80, .	1.3	2
50	Cn microspheres as surrogate membranes in glycosidase-catalysed hydrolysis of glycolipids. Chemical Communications, 2004, , 198.	4.1	0
51	Synthesis and Characterisation of Dimeric Bolaamphiphilic Dehydrodipeptides for Biomedical Applications. Materials Proceedings, 2020, 4, .	0.2	0
52	Delivery of Linear Gene-Editing Systems by Cell-Penetrating Magnetite Vehicles: Synthesis, Characterization and Preliminary In Vitro Testing. Materials Proceedings, 2020, 4, .	0.2	0