

# Jose A Martins

## List of Publications by Year in descending order

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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	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.	2.7	8
2	Dehydropeptide Supramolecular Hydrogels and Nanostructures as Potential Peptidomimetic Biomedical Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2528.	4.1	13
3	Supramolecular ultra-short carboxybenzyl-protected dehydropeptide-based hydrogels for drug delivery. <i>Materials Science and Engineering C</i> , 2021, 122, 111869.	7.3	21
4	Evaluation of a Model Photo-Caged Dehydropeptide as a Stimuli-Responsive Supramolecular Hydrogel. <i>Nanomaterials</i> , 2021, 11, 704.	4.1	13
5	Bolaamphiphilic Bis-Dehydropeptide Hydrogels as Potential Drug Release Systems. <i>Gels</i> , 2021, 7, 52.	4.5	7
6	Complexes of Bifunctional DO3A-N-( $\pm$ -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.	3.8	2
7	Impact of Citrate and Lipid-Functionalized Magnetic Nanoparticles in Dehydropeptide Supramolecular Magnetogels: Properties, Design and Drug Release. <i>Nanomaterials</i> , 2021, 11, 16.	4.1	18
8	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.	2.4	3
9	Dehydropeptide-based plasmonic magnetogels: a supramolecular composite nanosystem for multimodal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 45-64.	5.8	27
10	Exploring the properties and potential biomedical applications of NSAID-capped peptide hydrogels. <i>Soft Matter</i> , 2020, 16, 10001-10012.	2.7	12
11	Magnetoliposomes Incorporated in Peptide-Based Hydrogels: Towards Development of Magnetolipogels. <i>Nanomaterials</i> , 2020, 10, 1702.	4.1	10
12	Biological Evaluation of Naproxen-Dehydrodipeptide Conjugates with Self-Hydrogelation Capacity as Dual LOX/COX Inhibitors. <i>Pharmaceutics</i> , 2020, 12, 122.	4.5	16
13	Synthesis and Characterisation of Dimeric Bolaamphiphilic Dehydrodipeptides for Biomedical Applications. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0
14	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
15	Novel dehydropeptide-based magnetogels containing manganese ferrite nanoparticles as antitumor drug nanocarriers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10377-10390.	2.8	17
16	Magnetic Dehydrodipeptide-Based Self-Assembled Hydrogels for Theragnostic Applications. <i>Nanomaterials</i> , 2019, 9, 541.	4.1	41
17	Magnetogels: Prospects and Main Challenges in Biomedical Applications. <i>Pharmaceutics</i> , 2018, 10, 145.	4.5	28
18	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.	3.3	16

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19	Self-assembled RGD dehydropeptide hydrogels for drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8607-8617.	5.8	35
20	Curcumin Encapsulated into Methoxy Poly(Ethylene Glycol) Poly( $\mu$ -Caprolactone) Nanoparticles Increases Cellular Uptake and Neuroprotective Effect in Glioma Cells. <i>Planta Medica</i> , 2017, 83, 434-444.	1.3	23
21	Interactions between an Aryl Thioacetate-Functionalized Zn(II) Porphyrin and Graphene Oxide. <i>Advanced Functional Materials</i> , 2016, 26, 687-697.	14.9	17
22	Gold nanoparticles functionalised with fast water exchanging Gd <sup>3+</sup> chelates: linker effects on the relaxivity. <i>Dalton Transactions</i> , 2015, 44, 4016-4031.	3.3	19
23	Dextrin-Based Nanomagnetogel: In Vivo Biodistribution and Stability. <i>Bioconjugate Chemistry</i> , 2015, 26, 699-706.	3.6	9
24	New self-assembled supramolecular hydrogels based on dehydropeptides. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6355-6367.	5.8	30
25	Dehydrideptide Hydrogelators Containing Naproxen N-Capped Tryptophan: Self-Assembly, Hydrogel Characterization, and Evaluation as Potential Drug Nanocarriers. <i>Biomacromolecules</i> , 2015, 16, 3562-3573.	5.4	38
26	Ga[NO <sub>2</sub> -N-( $\pm$ -amino)propionate] chelates: synthesis and evaluation as potential tracers for <sup>68</sup> Ga PET. <i>Dalton Transactions</i> , 2014, 43, 8037-8047.	3.3	7
27	Ln[DO <sub>3</sub> A-N-( $\pm$ -(pyrenebutanamido)propionate)] complexes: optimized relaxivity and NIR optical properties. <i>Dalton Transactions</i> , 2014, 43, 3162-3173.	3.3	14
28	Curcumin loaded MPEG-PCL di-block copolymer nanoparticles protect glioma cells from oxidative damage. <i>Planta Medica</i> , 2014, 80, .	1.3	2
29	New dextrin nanomagnetogels as contrast agents for magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5853.	5.8	17
30	Amide conjugates of the DO <sub>3</sub> A-N-( $\pm$ -amino)propionate ligand: leads for stable, high relaxivity contrast agents for MRI?. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 40-49.	0.8	9
31	NMR and molecular modelling studies on elastase inhibitor-peptides for wound management. <i>Reactive and Functional Polymers</i> , 2013, 73, 1357-1365.	4.1	6
32	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.	2.4	9
33	Gold nanoparticles functionalised with stable, fast water exchanging Gd <sup>3+</sup> chelates as high relaxivity contrast agents for MRI. <i>Dalton Transactions</i> , 2012, 41, 5472.	3.3	58
34	Synthesis of 2,6-Bis(oxazolyl)pyridine Ligands for Luminescent Ln <sup>III</sup> Complexes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3905-3910.	2.4	4
35	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.	2.5	13
36	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.	3.2	12

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37	Advances in the Synthesis of Homochiral ( $\alpha^*$ )-1-Azafagomine and (+)-5- <i>epi</i> -1-Azafagomine. 1- <i>N</i> -Phenyl Carboxamide Derivatives of both Enantiomers of 1-Azafagomine: Leads for the Synthesis of Active $\beta$ -Glycosidase Inhibitors.. Journal of Organic Chemistry, 2011, 76, 9584-9592.	3.2	12
38	The interaction of La <sup>3+</sup> 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
39	Studies on the biodistribution of dextrin nanoparticles. Nanotechnology, 2010, 21, 295103.	2.6	9
40	Lanthanide chelates of (bis)-hydroxymethyl-substituted DTTA with potential application as contrast agents in magnetic resonance imaging. Dalton Transactions, 2009, , 4656.	3.3	18
41	Gd(DO3A-N $\beta$ -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
42	Gd(III) $\beta$ -EPTPAC <sub>16</sub> , a new self-assembling potential liver MRI contrast agent: <i>in vitro</i> characterization and <i>in vivo</i> animal imaging studies. NMR in Biomedicine, 2008, 21, 322-336.	2.8	14
43	Self-Assembled Nanoparticles of Dextrin Substituted with Hexadecanethiol. Biomacromolecules, 2007, 8, 392-398.	5.4	61
44	Radiolabelled <sup>153</sup> Sm-chelates of glycoconjugates: multivalence and topology effects on the targeting of the asialoglycoprotein receptor. Radiochimica Acta, 2007, 95, .	1.2	8
45	H <sub>5</sub> EPTPACH <sub>2</sub> OH: Synthesis, Relaxometric Characterization and <sup>1</sup> H NMR Spectroscopic Studies on the Solution Dynamics of Its Ln <sup>III</sup> Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 5489-5499.	2.0	8
46	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
47	Targeting of lanthanide(III) chelates of DOTA-type glycoconjugates to the hepatic asialoglycoprotein receptor: cell internalization and animal imaging studies. Contrast Media and Molecular Imaging, 2006, 1, 246-258.	0.8	31
48	Lanthanide(III) Chelates of DTPA Bis(amide) Glycoconjugates: Potential Imaging Agents Targeted at the Asialoglycoprotein Receptor. European Journal of Inorganic Chemistry, 2005, 2005, 2110-2119.	2.0	20
49	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
50	Cn microspheres as surrogate membranes in glycosidase-catalysed hydrolysis of glycolipids. Chemical Communications, 2004, , 198.	4.1	0
51	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
52	ToF-SIMS and XPS study of photoactivatable reagents designed for surface glycoengineering. Part III. 5-Carboxamidopentyl-N-[m-[3-(trifluoromethyl)diazirin-3-yl]phenyl- $\beta$ -D-galactopyranosyl]-(1 $\rightarrow$ 4)-1-thio- $\beta$ -D-glucopyranoside (lactose aryl diazirine) on diam. Surface and Interface Analysis, 2001, 31, 457-464.	1.5	15