Ana Lusa Daniel-da-Silva

List of Publications by Citations

96 papers	2,627 citations	30 h-index	48 g-index
100 ext. papers	3,135 ext. citations	6 avg, IF	5.39 L-index

#	Paper	IF	Citations
96	Silica coated magnetite particles for magnetic removal of Hg2+ from water. *Journal of Colloid and Interface Science*, **2010**, 345, 234-40	9.3	301
95	Recent Developments in Polyurethane Catalysis: Catalytic Mechanisms Review. *Catalysis Reviews - Science and Engineering*, **2004**, 46, 31-51	12.6	117
94	Supported ionic liquid silica nanoparticles (SILnPs) as an efficient and recyclable heterogeneous catalyst for the dehydration of fructose to 5-hydroxymethylfurfural. *Green Chemistry*, **2011**, 13, 340	10	105
93	In situ synthesis of magnetite nanoparticles in carrageenan gels. *Biomacromolecules*, **2007**, 8, 2350-7	6.9	95
92	Optimization of enzyme immobilization on functionalized magnetic nanoparticles for laccase biocatalytic reactions. *Chemical Engineering and Processing: Process Intensification*, **2017**, 117, 1-8	3.7	84
91	Removal of mercury (II) by dithiocarbamate surface functionalized magnetite particles: application to synthetic and natural spiked waters. *Water Research*, **2011**, 45, 5773-84	12.5	81
90	Synthesis and swelling behavior of temperature responsive κ-carrageenan nanogels. *Journal of Colloid and Interface Science*, **2011**, 355, 512-7	9.3	81
89	κ-Carrageenan hydrogel nanocomposites with release behavior mediated by morphological distinct Au nanofillers. *Carbohydrate Polymers*, **2013**, 91, 100-9	10.3	71
88	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. *Journal of Materials Chemistry A*, **2013**, 1, 8134	13	64
87	Synthesis and optimization of lectin functionalized nanoprobes for the selective recovery of glycoproteins from human body fluids. *Analytical Chemistry*, **2011**, 83, 7035-43	7.8	64
86	Impact of magnetic nanofillers in the swelling and release properties of κ-carrageenan hydrogel nanocomposites. *Carbohydrate Polymers*, **2012**, 87, 328-335	10.3	61
85	Magnetic quaternary chitosan hybrid nanoparticles for the efficient uptake of diclofenac from water. *Carbohydrate Polymers*, **2019**, 203, 35-44	10.3	55
84	Unusual dye adsorption behavior of κ-carrageenan coated superparamagnetic nanoparticles. *Chemical Engineering Journal*, **2013**, 229, 276-284	14.7	51
83	Synthesis and characterization of porous κ-carrageenan/calcium phosphate nanocomposite scaffolds. *Journal of Materials Science*, **2007**, 42, 8581-8591	4.3	51
82	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. *Toxicology Letters*, **2016**, 249, 29-41	4.4	50
81	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. *Nanotoxicology*, **2016**, 10, 1105-17	5.3	49
80	Photothermally enhanced drug release by κ-carrageenan hydrogels reinforced with multi-walled carbon nanotubes. *RSC Advances*, **2013**, 3, 10828	3.7	44

79	Magnetic Hybrid Nanosorbents for the Uptake of Paraquat from Water. *Nanomaterials*, **2017**, 7,	5.4	44
78	Moisture curing kinetics of isocyanate ended urethane quasi-prepolymers monitored by IR spectroscopy and DSC. *Journal of Applied Polymer Science*, **2008**, 107, 700-709	2.9	44
77	Chitosan-silica hybrid nanosorbents for oil removal from water. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 532, 305-313	5.1	42
76	Tailoring the morphology of high molecular weight PLLA scaffolds through bioglass addition. *Acta Biomaterialia*, **2010**, 6, 3611-20	10.8	38
75	Highly Efficient Removal of Dye from Water Using Magnetic Carrageenan/Silica Hybrid Nano-adsorbents. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	36
74	Hybrid nanoadsorbents for the magnetically assisted removal of metoprolol from water. *Chemical Engineering Journal*, **2016**, 302, 560-569	14.7	35
73	Biofunctionalized magnetic hydrogel nanospheres of magnetite and kappa-carrageenan. *Nanotechnology*, **2009**, 20, 355602	3.4	35
72	Influence of the free isocyanate content in the adhesive properties of reactive trifunctional polyether urethane quasi-prepolymers. *International Journal of Adhesion and Adhesives*, **2006**, 26, 355-362	3.4	35
71	Effects of magnetite nanoparticles on the thermorheological properties of carrageenan hydrogels. *Journal of Colloid and Interface Science*, **2008**, 324, 205-11	9.3	34
70	Effects of Au nanoparticles on thermoresponsive genipin-crosslinked gelatin hydrogels. *Gold Bulletin*, **2013**, 46, 25-33	1.6	33
69	EDTA-Cu (II) chelating magnetic nanoparticles as a support for laccase immobilization. *Chemical Engineering Science*, **2017**, 158, 599-605	4.4	33
68	A simple aptamer-based colorimetric assay for rapid detection of C-reactive protein using gold nanoparticles. *Talanta*, **2020**, 214, 120868	6.2	32
67	Pyrrolidine-fused chlorin photosensitizer immobilized on solid supports for the photoinactivation of Gram negative bacteria. *Dyes and Pigments*, **2014**, 110, 123-133	4.6	32
66	Magnetic chelating nanoprobes for enrichment and selective recovery of metalloproteases from human saliva. *Journal of Materials Chemistry B*, **2015**, 3, 238-249	7.3	29
65	Trimethyl Chitosan/Siloxane-Hybrid Coated FeO Nanoparticles for the Uptake of Sulfamethoxazole from Water. *Molecules*, **2019**, 24,	4.8	28
64	Ferromagnetic sorbents based on nickel nanowires for efficient uptake of mercury from water. *ACS Applied Materials & Interfaces*, **2014**, 6, 8274-80	9.5	28
63	Corrole-silica hybrid particles: synthesis and effects on singlet oxygen generation. *RSC Advances*, **2013**, 3, 274-280	3.7	28
62	Functionalized Gold Nanoparticles for the Detection of C-Reactive Protein. *Nanomaterials*, **2018**, 8,	5.4	26

61	Carrageenan–Silica Hybrid Nanoparticles Prepared by a Non-Emulsion Method. *European Journal of Inorganic Chemistry*, **2015**, 2015, 4588-4594	2.3	23
60	Rheological behavior of thermoreversible kappa-carrageenan/nanosilica gels. *Journal of Colloid and Interface Science*, **2008**, 320, 575-81	9.3	23
59	Gold nanoparticles and bioconjugation: a pathway for proteomic applications. *Critical Reviews in Biotechnology*, **2017**, 37, 238-250	9.4	22
58	Fluorescent Magnetic Bioprobes by Surface Modification of Magnetite Nanoparticles. *Materials*, **2013**, 6, 3213-3225	3.5	22
57	Recent advances on magnetic biosorbents and their applications for water treatment. *Environmental Chemistry Letters*, **2020**, 18, 151-164	13.3	21
56	Magnetic hydrogel nanocomposites and composite nanoparticles--a review of recent patented works. *Recent Patents on Nanotechnology*, **2013**, 7, 153-66	1.2	20
55	Functionalized Inorganic Nanoparticles for Magnetic Separation and SERS Detection of Water Pollutants. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3443-3461	2.3	20
54	The controlled synthesis of complex hollow nanostructures and prospective applications. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20180677	2.4	19
53	Mercury in river, estuarine and seawaters - Is it possible to decrease realist environmental concentrations in order to achieve environmental quality standards?. *Water Research*, **2016**, 106, 439-449	12.5	19
52	Core-shell magnetite-silica dithiocarbamate-derivatised particles achieve the Water Framework Directive quality criteria for mercury in surface waters. *Environmental Science and Pollution Research*, **2013**, 20, 5963-74	5.1	19
51	Toward the definition of a peptidome signature and protease profile in chronic periodontitis. *Proteomics - Clinical Applications*, **2015**, 9, 917-27	3.1	19
50	Carrageenan-grafted magnetite nanoparticles as recyclable sorbents for dye removal. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	18
49	Raman Signal Enhancement Dependence on the Gel Strength of Ag/Hydrogels Used as SERS Substrates. *Journal of Physical Chemistry C*, **2014**, 118, 10384-10392	3.8	18
48	Protein adsorption on piezoelectric poly(L-lactic) acid thin films by scanning probe microscopy. *Applied Physics Letters*, **2011**, 98, 133705	3.4	18
47	Magnetic Driven Nanocarriers for pH-Responsive Doxorubicin Release in Cancer Therapy. *Molecules* , **2020**, 25,	4.8	16
46	The role of operational parameters on the uptake of mercury by dithiocarbamate functionalized particles. *Chemical Engineering Journal*, **2014**, 254, 559-570	14.7	16
45	Glycan affinity magnetic nanoplatforms for urinary glycobiomarkers discovery in bladder cancer. *Talanta*, **2018**, 184, 347-355	6.2	15
44	Magnetic nanosorbents with siliceous hybrid shells of alginic acid and carrageenan for removal of ciprofloxacin. *International Journal of Biological Macromolecules*, **2019**, 139, 827-841	7.9	15

43	Bionanoconjugation for proteomics applications - An overview. *Biotechnology Advances*, **2014**, 32, 952-70	17.8	15
42	Uptake of Europium(III) from Water using Magnetite Nanoparticles. *Particle and Particle Systems Characterization*, **2016**, 33, 150-157	3.1	14
41	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. *Journal of Environmental Sciences*, **2017**, 51, 191-201	6.4	13
40	Influence of the storage of reactive urethane quasi-prepolymers in their composition and adhesion properties. *International Journal of Adhesion and Adhesives*, **2008**, 28, 29-37	3.4	12
39	N-Confused Porphyrin Immobilized on Solid Supports: Synthesis and Metal Ions Sensing Efficacy. *Molecules*, **2018**, 23,	4.8	11
38	Evidences of phase separation in moisture-cured poly(urethane urea)s by means of temperature modulated differential scanning calorimetry. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 3034-3045	2.6	11
37	Effect of colloidal silver and gold nanoparticles on the thermal behavior of poly(t-butyl acrylate) composites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2013**, 436, 231-236	5.1	10
36	Properties of novel PMMA-co-EHA bone cements filled with hydroxyapatite. *Polymer Composites*, **2014**, 35, 759-767	3	10
35	On the efficient removal, regeneration and reuse of quaternary chitosan magnetite nanosorbents for glyphosate herbicide in water. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105189	6.8	10
34	Silver-gelatine bionanocomposites for qualitative detection of a pesticide by SERS. *Analyst, The*, **2015**, 140, 1693-701	5	9
33	Cationic release behaviour of antimicrobial cellulose/silver nanocomposites. *Cellulose*, **2014**, 21, 3551-3560	5.5	9
32	Encapsulation and Enhanced Release of Resveratrol from Mesoporous Silica Nanoparticles for Melanoma Therapy. *Materials*, **2021**, 14,	3.5	9
31	Suitability of PLLA as Piezoelectric Substrates for Tissue Engineering Evidenced by Microscopy Techniques. *Microscopy and Microanalysis*, **2012**, 18, 63-64	0.5	8
30	Glycoprotein enrichment method using a selective magnetic nano-probe platform (MNP) functionalized with lectins. *Methods in Molecular Biology*, **2015**, 1243, 83-100	1.4	8
29	Colloidal dendritic nanostructures of gold and silver for SERS analysis of water pollutants. *Journal of Molecular Liquids*, **2021**, 337, 116608	6	8
28	Effects of Amorphous Silica Nanopowders on the Avoidance Behavior of Five Soil Species-A Screening Study. *Nanomaterials*, **2020**, 10,	5.4	7
27	Porous Carrageenan-Derived Carbons for Efficient Ciprofloxacin Removal from Water. *Nanomaterials*, **2018**, 8,	5.4	7
26	Surface Engineered Magnetic Biosorbents for Water Treatment. *Environmental Chemistry for A Sustainable World*, **2018**, 301-342	0.8	6

25	Use of isoconversional methods to analyze the cure kinetics of isocyanate-ended quasi-prepolymers with water. *Journal of Applied Polymer Science*, **2007**, 104, 1049-1057	2.9	6
24	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	6
23	Gold nanoparticles-based assays for biodetection in urine. *Talanta*, **2021**, 230, 122345	6.2	6
22	Luminescent Carrageenan Hydrogels Containing Lanthanopolyoxometalates. *European Journal of Inorganic Chemistry*, **2017**, 2017, 4976-4981	2.3	5
21	Recovery of immunoglobulin G from rabbit serum using κ-carrageenan-modified hybrid magnetic nanoparticles. *International Journal of Biological Macromolecules*, **2020**, 150, 914-921	7.9	5
20	Enhanced Removal of Non-Steroidal Inflammatory Drugs from Water by Quaternary Chitosan-Based Magnetic Nanosorbents. *Coatings*, **2021**, 11, 964	2.9	5
19	Nanostructured functionalized magnetic platforms for the sustained delivery of cisplatin: Synthesis, characterization and in vitro cytotoxicity evaluation. *Journal of Inorganic Biochemistry*, **2020**, 213, 111258	4.2	4
18	An integrated approach for trace detection of pollutants in water using polyelectrolyte functionalized magneto-plasmonic nanosorbents. *Scientific Reports*, **2019**, 9, 19647	4.9	4
17	Effects of long-term exposure to colloidal gold nanorods on freshwater microalgae. *Science of the Total Environment*, **2019**, 682, 70-79	10.2	3
16	An integrated approach to assess the sublethal effects of colloidal gold nanorods in tadpoles of Xenopus laevis. *Journal of Hazardous Materials*, **2020**, 400, 123237	12.8	3
15	Swelling and Release Properties of Functional κ-carrageenan Hydrogel Nanocomposites. *Materials Research Society Symposia Proceedings*, **2012**, 1403, 164		3
14	A versatile synthetic route towards gelatin-silica hybrids and magnetic composite colloidal nanoparticles. *Advanced Composites and Hybrid Materials*,1	8.7	3
13	Dendrimer-Based Gold Nanostructures for SERS Detection of Pesticides in Water. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1153-1162	2.3	3
12	A fractionation approach applying chelating magnetic nanoparticles to characterize pericardial fluid's proteome. *Archives of Biochemistry and Biophysics*, **2017**, 634, 1-10	4.1	2
11	Proteomic studies with a novel nano-magnetic chelating system to capture metalloproteins and its application in the preliminary study of monocyte and macrophage sub-secretome. *Talanta*, **2016**, 158, 110-117	6.2	2
10	Water softening using graphene oxide/biopolymer hybrid nanomaterials. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105045	6.8	2
9	Metal-dendrimer hybrid nanomaterials for sensing applications. *Coordination Chemistry Reviews*, **2022**, 460, 214483	23.2	2
8	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1867-1876	2.3	1

7	Design of Multifunctional Titania-Based Photocatalysts by Controlled Redox Reactions. *Materials*, **2020**, 13,	3.5	1
6	Dendrimer stabilized nanoalloys for inkjet printing of surface-enhanced Raman scattering substrates.. *Journal of Colloid and Interface Science*, **2021**, 612, 342-354	9.3	1
5	EDTA-functionalized magnetic nanoparticles: A suitable platform for the analysis of low abundance urinary proteins. *Talanta*, **2017**, 170, 81-88	6.2	0
4	Functionalized Inorganic Nanoparticles for Magnetic Separation and SERS Detection of Water Pollutants. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3440-3440	2.3	0
3	Production of Bioactive Nano-Hydroxyapatite/Polysaccharide Composites for Bone Tissue Engineering. *Materials Science Forum*, **2008**, 587-588, 22-26	0.4	
2	Porogen Effect of Bioactive Glass on Poly(L-lactide) Scaffolds: Evidences by Electron Microscopy. *Microscopy and Microanalysis*, **2008**, 14, 65-66	0.5	
1	Corrole-gold nanoparticles: Synthesis, ground and excited state solvation. *Dyes and Pigments*, **2022**, 110108	4.8	