

Ana Lusa Daniel-da-Silva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Corrole-gold nanoparticles: Synthesis, ground and excited state solvation. <i>Dyes and Pigments</i> , 2022 , 110108	11.8	1
95	Metal-dendrimer hybrid nanomaterials for sensing applications. <i>Coordination Chemistry Reviews</i> , 2022 , 460, 214483	23.2	2
94	Dendrimer stabilized nanoalloys for inkjet printing of surface-enhanced Raman scattering substrates.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 342-354	9.3	1
93	Encapsulation and Enhanced Release of Resveratrol from Mesoporous Silica Nanoparticles for Melanoma Therapy. <i>Materials</i> , 2021 , 14,	3.5	9
92	On the efficient removal, regeneration and reuse of quaternary chitosan magnetite nanosorbents for glyphosate herbicide in water. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105189	6.8	10
91	Water softening using graphene oxide/biopolymer hybrid nanomaterials. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105045	6.8	2
90	Enhanced Removal of Non-Steroidal Inflammatory Drugs from Water by Quaternary Chitosan-Based Magnetic Nanosorbents. <i>Coatings</i> , 2021 , 11, 964	2.9	5
89	Gold nanoparticles-based assays for biodetection in urine. <i>Talanta</i> , 2021 , 230, 122345	6.2	6
88	Colloidal dendritic nanostructures of gold and silver for SERS analysis of water pollutants. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116608	6	8
87	Macrophage Metabolomics Reveals Differential Metabolic Responses to Subtoxic Levels of Silver Nanoparticles and Ionic Silver. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1867-1876	2.3	1
86	An integrated approach to assess the sublethal effects of colloidal gold nanorods in tadpoles of <i>Xenopus laevis</i> . <i>Journal of Hazardous Materials</i> , 2020 , 400, 123237	12.8	3
85	A simple aptamer-based colorimetric assay for rapid detection of C-reactive protein using gold nanoparticles. <i>Talanta</i> , 2020 , 214, 120868	6.2	32
84	Effects of Amorphous Silica Nanopowders on the Avoidance Behavior of Five Soil Species-A Screening Study. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
83	Recovery of immunoglobulin G from rabbit serum using E-carrageenan-modified hybrid magnetic nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 914-921	7.9	5
82	Design of Multifunctional Titania-Based Photocatalysts by Controlled Redox Reactions. <i>Materials</i> , 2020 , 13,	3.5	1
81	Magnetic Driven Nanocarriers for pH-Responsive Doxorubicin Release in Cancer Therapy. <i>Molecules</i> , 2020 , 25,	4.8	16
80	Dendrimer-Based Gold Nanostructures for SERS Detection of Pesticides in Water. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1153-1162	2.3	3

79	Nanostructured functionalized magnetic platforms for the sustained delivery of cisplatin: Synthesis, characterization and in vitro cytotoxicity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2020 , 213, 111258	4.2	4
78	Recent advances on magnetic biosorbents and their applications for water treatment. <i>Environmental Chemistry Letters</i> , 2020 , 18, 151-164	13.3	21
77	Trimethyl Chitosan/Siloxane-Hybrid Coated FeO Nanoparticles for the Uptake of Sulfamethoxazole from Water. <i>Molecules</i> , 2019 , 24,	4.8	28
76	Effects of long-term exposure to colloidal gold nanorods on freshwater microalgae. <i>Science of the Total Environment</i> , 2019 , 682, 70-79	10.2	3
75	The controlled synthesis of complex hollow nanostructures and prospective applications. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20180677 ^{2,4}		19
74	Magnetic nanosorbents with siliceous hybrid shells of alginic acid and carrageenan for removal of ciprofloxacin. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 827-841	7.9	15
73	An integrated approach for trace detection of pollutants in water using polyelectrolyte functionalized magneto-plasmonic nanosorbents. <i>Scientific Reports</i> , 2019 , 9, 19647	4.9	4
72	Magnetic quaternary chitosan hybrid nanoparticles for the efficient uptake of diclofenac from water. <i>Carbohydrate Polymers</i> , 2019 , 203, 35-44	10.3	55
71	Glycan affinity magnetic nanoplatfoms for urinary glycobiomarkers discovery in bladder cancer. <i>Talanta</i> , 2018 , 184, 347-355	6.2	15
70	Surface Engineered Magnetic Biosorbents for Water Treatment. <i>Environmental Chemistry for A Sustainable World</i> , 2018 , 301-342	0.8	6
69	Functionalized Inorganic Nanoparticles for Magnetic Separation and SERS Detection of Water Pollutants. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3440-3440	2.3	0
68	N-Confused Porphyrin Immobilized on Solid Supports: Synthesis and Metal Ions Sensing Efficacy. <i>Molecules</i> , 2018 , 23,	4.8	11
67	Functionalized Gold Nanoparticles for the Detection of C-Reactive Protein. <i>Nanomaterials</i> , 2018 , 8,	5.4	26
66	Porous Carrageenan-Derived Carbons for Efficient Ciprofloxacin Removal from Water. <i>Nanomaterials</i> , 2018 , 8,	5.4	7
65	Functionalized Inorganic Nanoparticles for Magnetic Separation and SERS Detection of Water Pollutants. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3443-3461	2.3	20
64	Gold nanoparticles and bioconjugation: a pathway for proteomic applications. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 238-250	9.4	22
63	Highly Efficient Removal of Dye from Water Using Magnetic Carrageenan/Silica Hybrid Nano-adsorbents. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	36
62	Chitosan-silica hybrid nanosorbents for oil removal from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 532, 305-313	5.1	42

61	EDTA-functionalized magnetic nanoparticles: A suitable platform for the analysis of low abundance urinary proteins. <i>Talanta</i> , 2017 , 170, 81-88	6.2	0
60	Optimization of enzyme immobilization on functionalized magnetic nanoparticles for laccase biocatalytic reactions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017 , 117, 1-8	3.7	84
59	A fractionation approach applying chelating magnetic nanoparticles to characterize pericardial fluid's proteome. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 634, 1-10	4.1	2
58	Luminescent Carrageenan Hydrogels Containing Lanthanopolyoxometalates. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4976-4981	2.3	5
57	EDTA-Cu (II) chelating magnetic nanoparticles as a support for laccase immobilization. <i>Chemical Engineering Science</i> , 2017 , 158, 599-605	4.4	33
56	Coating independent cytotoxicity of citrate- and PEG-coated silver nanoparticles on a human hepatoma cell line. <i>Journal of Environmental Sciences</i> , 2017 , 51, 191-201	6.4	13
55	Magnetic Hybrid Nanosorbents for the Uptake of Paraquat from Water. <i>Nanomaterials</i> , 2017 , 7,	5.4	44
54	Mercury in river, estuarine and seawaters - Is it possible to decrease realistic environmental concentrations in order to achieve environmental quality standards?. <i>Water Research</i> , 2016 , 106, 439-449	12.5	19
53	Hybrid nanoadsorbents for the magnetically assisted removal of metoprolol from water. <i>Chemical Engineering Journal</i> , 2016 , 302, 560-569	14.7	35
52	Uptake of Europium(III) from Water using Magnetite Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 150-157	3.1	14
51	The influence of Citrate or PEG coating on silver nanoparticle toxicity to a human keratinocyte cell line. <i>Toxicology Letters</i> , 2016 , 249, 29-41	4.4	50
50	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. <i>Talanta</i> , 2016 , 158, 110-117	6.2	2
49	Metabolomics of silver nanoparticles toxicity in HaCaT cells: structure-activity relationships and role of ionic silver and oxidative stress. <i>Nanotoxicology</i> , 2016 , 10, 1105-17	5.3	49
48	Inflammatory responses of a human keratinocyte cell line to 10 nm citrate- and PEG-coated silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	6
47	Silver-gelatin bionanocomposites for qualitative detection of a pesticide by SERS. <i>Analyst</i> , 2015 , 140, 1693-701	5	9
46	Carrageenan-grafted magnetite nanoparticles as recyclable sorbents for dye removal. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	18
45	Carrageenan-Silica Hybrid Nanoparticles Prepared by a Non-Emulsion Method. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4588-4594	2.3	23
44	Magnetic chelating nanoprobe for enrichment and selective recovery of metalloproteases from human saliva. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 238-249	7.3	29

43	Toward the definition of a peptidome signature and protease profile in chronic periodontitis. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 917-27	3.1	19
42	Glycoprotein enrichment method using a selective magnetic nano-probe platform (MNP) functionalized with lectins. <i>Methods in Molecular Biology</i> , 2015 , 1243, 83-100	1.4	8
41	Ferromagnetic sorbents based on nickel nanowires for efficient uptake of mercury from water. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8274-80	9.5	28
40	Cationic release behaviour of antimicrobial cellulose/silver nanocomposites. <i>Cellulose</i> , 2014 , 21, 3551-3569	3.9	9
39	Raman Signal Enhancement Dependence on the Gel Strength of Ag/Hydrogels Used as SERS Substrates. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10384-10392	3.8	18
38	Pyrrolidine-fused chlorin photosensitizer immobilized on solid supports for the photoinactivation of Gram negative bacteria. <i>Dyes and Pigments</i> , 2014 , 110, 123-133	4.6	32
37	Bionanoconjugation for proteomics applications - An overview. <i>Biotechnology Advances</i> , 2014 , 32, 952-707	7.8	15
36	The role of operational parameters on the uptake of mercury by dithiocarbamate functionalized particles. <i>Chemical Engineering Journal</i> , 2014 , 254, 559-570	14.7	16
35	Properties of novel PMMA-co-EHA bone cements filled with hydroxyapatite. <i>Polymer Composites</i> , 2014 , 35, 759-767	3	10
34	Photothermally enhanced drug release by E-carrageenan hydrogels reinforced with multi-walled carbon nanotubes. <i>RSC Advances</i> , 2013 , 3, 10828	3.7	44
33	Effects of Au nanoparticles on thermoresponsive genipin-crosslinked gelatin hydrogels. <i>Gold Bulletin</i> , 2013 , 46, 25-33	1.6	33
32	Core-shell magnetite-silica dithiocarbamate-derivatised particles achieve the Water Framework Directive quality criteria for mercury in surface waters. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 5963-74	5.1	19
31	E-carrageenan hydrogel nanocomposites with release behavior mediated by morphological distinct Au nanofillers. <i>Carbohydrate Polymers</i> , 2013 , 91, 100-9	10.3	71
30	Effect of colloidal silver and gold nanoparticles on the thermal behavior of poly(t-butyl acrylate) composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 436, 231-236	5.1	10
29	Unusual dye adsorption behavior of E-carrageenan coated superparamagnetic nanoparticles. <i>Chemical Engineering Journal</i> , 2013 , 229, 276-284	14.7	51
28	Corrole-silica hybrid particles: synthesis and effects on singlet oxygen generation. <i>RSC Advances</i> , 2013 , 3, 274-280	3.7	28
27	Efficient sorbents based on magnetite coated with siliceous hybrid shells for removal of mercury ions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8134	13	64
26	Fluorescent Magnetic Bioprobes by Surface Modification of Magnetite Nanoparticles. <i>Materials</i> , 2013 , 6, 3213-3225	3.5	22

25	Magnetic hydrogel nanocomposites and composite nanoparticles--a review of recent patented works. <i>Recent Patents on Nanotechnology</i> , 2013 , 7, 153-66	1.2	20
24	Suitability of PLLA as Piezoelectric Substrates for Tissue Engineering Evidenced by Microscopy Techniques. <i>Microscopy and Microanalysis</i> , 2012 , 18, 63-64	0.5	8
23	Impact of magnetic nanofillers in the swelling and release properties of κ -carrageenan hydrogel nanocomposites. <i>Carbohydrate Polymers</i> , 2012 , 87, 328-335	10.3	61
22	Swelling and Release Properties of Functional κ -carrageenan Hydrogel Nanocomposites. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1403, 164		3
21	Synthesis and optimization of lectin functionalized nanoprobe for the selective recovery of glycoproteins from human body fluids. <i>Analytical Chemistry</i> , 2011 , 83, 7035-43	7.8	64
20	Protein adsorption on piezoelectric poly(L-lactic) acid thin films by scanning probe microscopy. <i>Applied Physics Letters</i> , 2011 , 98, 133705	3.4	18
19	Supported ionic liquid silica nanoparticles (SILnPs) as an efficient and recyclable heterogeneous catalyst for the dehydration of fructose to 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2011 , 13, 340	10	105
18	Removal of mercury (II) by dithiocarbamate surface functionalized magnetite particles: application to synthetic and natural spiked waters. <i>Water Research</i> , 2011 , 45, 5773-84	12.5	81
17	Synthesis and swelling behavior of temperature responsive κ -carrageenan nanogels. <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 512-7	9.3	81
16	Silica coated magnetite particles for magnetic removal of Hg ²⁺ from water. <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 234-40	9.3	301
15	Tailoring the morphology of high molecular weight PLLA scaffolds through bioglass addition. <i>Acta Biomaterialia</i> , 2010 , 6, 3611-20	10.8	38
14	Biofunctionalized magnetic hydrogel nanospheres of magnetite and kappa-carrageenan. <i>Nanotechnology</i> , 2009 , 20, 355602	3.4	35
13	Production of Bioactive Nano-Hydroxyapatite/Polysaccharide Composites for Bone Tissue Engineering. <i>Materials Science Forum</i> , 2008 , 587-588, 22-26	0.4	
12	Porogen Effect of Bioactive Glass on Poly(L-lactide) Scaffolds: Evidences by Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2008 , 14, 65-66	0.5	
11	Influence of the storage of reactive urethane quasi-prepolymers in their composition and adhesion properties. <i>International Journal of Adhesion and Adhesives</i> , 2008 , 28, 29-37	3.4	12
10	Moisture curing kinetics of isocyanate ended urethane quasi-prepolymers monitored by IR spectroscopy and DSC. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 700-709	2.9	44
9	Rheological behavior of thermoreversible kappa-carrageenan/nanosilica gels. <i>Journal of Colloid and Interface Science</i> , 2008 , 320, 575-81	9.3	23
8	Effects of magnetite nanoparticles on the thermorheological properties of carrageenan hydrogels. <i>Journal of Colloid and Interface Science</i> , 2008 , 324, 205-11	9.3	34

7	In situ synthesis of magnetite nanoparticles in carrageenan gels. <i>Biomacromolecules</i> , 2007 , 8, 2350-7	6.9	95
6	Use of isoconversional methods to analyze the cure kinetics of isocyanate-ended quasi-prepolymers with water. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1049-1057	2.9	6
5	Evidences of phase separation in moisture-cured poly(urethane urea)s by means of temperature modulated differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 3034-3045	2.6	11
4	Synthesis and characterization of porous carrageenan/calcium phosphate nanocomposite scaffolds. <i>Journal of Materials Science</i> , 2007 , 42, 8581-8591	4.3	51
3	Influence of the free isocyanate content in the adhesive properties of reactive trifunctional polyether urethane quasi-prepolymers. <i>International Journal of Adhesion and Adhesives</i> , 2006 , 26, 355-362	3.4	35
2	Recent Developments in Polyurethane Catalysis: Catalytic Mechanisms Review. <i>Catalysis Reviews - Science and Engineering</i> , 2004 , 46, 31-51	12.6	117
1	A versatile synthetic route towards gelatin-silica hybrids and magnetic composite colloidal nanoparticles. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	3