

Antonio A Lozano-Prez

List of Publications by Citations

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36
papers

1,050
citations

18
h-index

32
g-index

40
ext. papers

1,277
ext. citations

5.3
avg, IF

4.1
L-index

#	Paper	IF	Citations
36	Textile/metal-organic-framework composites as self-detoxifying filters for chemical-warfare agents. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6790-4	16.4	234
35	Production of Curcumin-Loaded Silk Fibroin Nanoparticles for Cancer Therapy. <i>Nanomaterials</i> , 2018 , 8,	5.4	96
34	Effects of composite films of silk fibroin and graphene oxide on the proliferation, cell viability and mesenchymal phenotype of periodontal ligament stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 2731-41	4.5	62
33	Silk fibroin nanoparticles constitute a vector for controlled release of resveratrol in an experimental model of inflammatory bowel disease in rats. <i>International Journal of Nanomedicine</i> , 2014 , 9, 4507-20	7.3	51
32	Silk fibroin nanoparticles: Efficient vehicles for the natural antioxidant quercetin. <i>International Journal of Pharmaceutics</i> , 2017 , 518, 11-19	6.5	49
31	Fabrication of electrospun silk fibroin scaffolds coated with graphene oxide and reduced graphene for applications in biomedicine. <i>Bioelectrochemistry</i> , 2016 , 108, 36-45	5.6	49
30	Investigating the Dispersion Behavior in Solvents, Biocompatibility, and Use as Support for Highly Efficient Metal Catalysts of Exfoliated Graphitic Carbon Nitride. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24032-45	9.5	44
29	Influence of the protocol used for fibroin extraction on the mechanical properties and fiber sizes of electrospun silk mats. <i>Materials Science and Engineering C</i> , 2013 , 33, 1945-50	8.3	39
28	Pentacoordinate nickel(II) complexes double bridged by phosphate ester or phosphinate ligands: spectroscopic, structural, kinetic, and magnetic studies. <i>Chemistry - A European Journal</i> , 2004 , 10, 1738-46	4.8	38
27	Structure and magnetic properties of carbonate-bridged five-coordinate nickel(II) complexes controlled by solvent effect. <i>Dalton Transactions</i> , 2006 , 3906-11	4.3	35
26	Antitumor properties of platinum(iv) prodrug-loaded silk fibroin nanoparticles. <i>Dalton Transactions</i> , 2015 , 44, 13513-21	4.3	30
25	scCO ₂ -foamed silk fibroin aerogel/poly(ϵ -caprolactone) scaffolds containing dexamethasone for bone regeneration. <i>Journal of CO₂ Utilization</i> , 2019 , 31, 51-64	7.6	28
24	Intestinal anti-inflammatory effects of RGD-functionalized silk fibroin nanoparticles in trinitrobenzenesulfonic acid-induced experimental colitis in rats. <i>International Journal of Nanomedicine</i> , 2016 , 11, 5945-5958	7.3	28
23	Five-coordinate nickel(II) complexes with carboxylate anions and derivatives of 1,5,9-triazacyclododec-1-ene: structural and 1H NMR spectroscopic studies. <i>Dalton Transactions</i> , 2005 , 104-9	4.3	24
22	Revealing the Influence of the Degumming Process in the Properties of Silk Fibroin Nanoparticles. <i>Polymers</i> , 2019 , 11,	4.5	23
21	Production of silk fibroin nanoparticles using ionic liquids and high-power ultrasounds. <i>Journal of Applied Polymer Science</i> , 2014 , 132, n/a-n/a	2.9	22
20	Dithiophosphate and dithiophosphonate complexes of pentacoordinate nickel(II) containing the macrocycle 2,4,4-trimethyl-1,5,9-triazacyclododec-1-ene ([12]aneN3-mc1) or its 9-methyl derivative ([12]aneN3-mc2): Crystal structures of [Ni([12]aneN3-mc1){S2P(OEt)2}][PF6] and [Ni([12]aneN3-mc1){S2P(p-CH3OPh)(OEt)}][PF6]. <i>Polyhedron</i> , 2002 , 21, 1935-1942	2.7	22

19	Effect of aqueous and particulate silk fibroin in a rat model of experimental colitis. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 1-9	6.5	18
18	Preparation, crystal structures and NMR characterization of substituted-benzoate complexes Nickel(II)-N3-macrocycles. <i>Polyhedron</i> , 2007 , 26, 1029-1036	2.7	17
17	Graphene adsorbed on silk-fibroin meshes: Biomimetic and reversible conformational movements driven by reactions. <i>Electrochimica Acta</i> , 2016 , 209, 521-528	6.7	16
16	Importance of refrigeration time in the electrospinning of silk fibroin aqueous solutions. <i>Journal of Materials Science</i> , 2015 , 50, 4879-4887	4.3	15
15	Synthesis and Characterization of Heterotrinnuclear Complexes of Nickel and Palladium with Pyridinecarboxylate as Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3049-3056 ^{2.3}	2.3	13
14	Comparative Study of the Antioxidant and Anti-Inflammatory Effects of Leaf Extracts from Four Different Genotypes in High Fat Diet-Induced Obesity in Mice. <i>Antioxidants</i> , 2020 , 9,	7.1	12
13	Extraction of organic compounds involved in the kinetic resolution of rac-2-pentanol from n-hexane by imidazolium-based ionic liquids: Liquid-liquid equilibrium. <i>Journal of Molecular Liquids</i> , 2018 , 252, 445-453 ⁶	6	11
12	Mechanical behaviour and formation process of silkworm silk gut. <i>Soft Matter</i> , 2015 , 11, 8981-91	3.6	10
11	Influence of addition of organic fillers on the properties of mechanically recycled PLA. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 24291-24304	5.1	10
10	Heteronuclear Nickel-Iron Complexes and the Crystal Structure of [Fe ₂ (CO) ₆ (B-S) ₂ {Ni(dppe)}]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 2062-2066	1.3	9
9	Chemoprevention of Experimental Periodontitis in Diabetic Rats with Silk Fibroin Nanoparticles Loaded with Resveratrol. <i>Antioxidants</i> , 2020 , 9,	7.1	7
8	Silkworm Gut Fiber of Bombyx mori as an Implantable and Biocompatible Light-Diffusing Fiber. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	6
7	Silk fibroin nanoparticles enhance quercetin immunomodulatory properties in DSS-induced mouse colitis. <i>International Journal of Pharmaceutics</i> , 2021 , 606, 120935	6.5	6
6	The silk of gorse spider mite Tetranychus lintearius represents a novel natural source of nanoparticles and biomaterials. <i>Scientific Reports</i> , 2020 , 10, 18471	4.9	5
5	Biopolymeric Nanoparticle Synthesis in Ionic Liquids 2018 ,		5
4	Silk fibroin nanoparticles as biocompatible nanocarriers of a novel light-responsive CO-prodrug. <i>Dalton Transactions</i> , 2018 , 47, 10434-10438	4.3	4
3	Fluorescent DTPA-Silk Fibroin Nanoparticles Radiolabeled with In: A Dual Tool for Biodistribution and Stability Studies. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3299-3309	5.5	3
2	Density and refractive index data of binary and ternary mixtures of imidazolium-based ionic liquids, -hexane and organic compounds involved in the kinetic resolution of rac-2-pentanol. <i>Data in Brief</i> , 2018 , 19, 134-144	1.2	2

1 CYTED Network to develop an immunogen compatible with integrated management strategies for tick control in cattle. *Vaccine*, **2018**, 36, 6581-6586

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