Juan M LÃ¡zaro-MartÃnez

List of Publications by Year
in descending order

86 papers	2,148 citations	257357 24 h-index	265120 42 g-index
87 all docs	87 docs citations	87 times ranked	2712 citing authors

#	Article	IF	Citations
1	Glycosylated paclitaxel mixed nanomicelles: Increasing drug brain accumulation and enhancing its in vitro antitumoral activity in glioblastoma cell lines. Journal of Drug Delivery Science and Technology, 2022, 68, 103046.	1.4	1
2	Nitrene formation is the first step of the thermal and photochemical decomposition reactions of organic azides. Physical Chemistry Chemical Physics, 2022, 24, 5109-5115.	1.3	17
3	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. Chemical Engineering Journal, 2022, 443, 136443.	6.6	3
4	Inhalable Mannosylated Rifampicinâ€“Curcumin Co-Loaded Nanomicelles with Enhanced In Vitro Antimicrobial Efficacy for an Optimized Pulmonary Tuberculosis Therapy. Pharmaceutics, 2022, 14, 959.	2.0	13
5	S, N-doped carbon dots-based cisplatin delivery system in adenocarcinoma cells: Spectroscopical and computational approach. Journal of Colloid and Interface Science, 2022, 623, 226-237.	5.0	6
6	Solidâ€State Characterization of Acetylpyridine Copper Complexes for the Activation of H₂O₂ in Advanced Oxidation Processes. ChemPlusChem, 2022, 87, .	1.3	7
7	Detection of Ru potential metallodrug in human urine by MALDI-TOF mass spectrometry: Validation and options to enhance the sensitivity. Talanta, 2021, 222, 121551.	2.9	9
8	Paramagnetic solid-state NMR assignment and novel chemical conversion of the aldehyde group to dihydrogen ortho ester and hemiacetal moieties in copper(<scp>ii</scp>)- and cobalt(<scp>ii</scp>)-pyridinecarboxaldehyde complexes. RSC Advances, 2021, 11, 20216-20231.	1.7	9
9	Porous, lightweight, metal organic materials. , 2021, , 43-129.		2
10	Supramolecular effect of acetate on chitin gelling medium: Structural properties and protein interaction. International Journal of Biological Macromolecules, 2021, 170, 317-325.	3.6	2
11	Evaluation of the Occurrence of Phthalates in Plastic Materials Used in Food Packaging. Applied Sciences (Switzerland), 2021, 11, 2130.	1.3	11
12	Discovery of New Potent Positive Allosteric Modulators of Dopamine D₂ Receptors: Insights into the Bioisosteric Replacement of Proline to 3-Furoic Acid in the Melanostatin Neuropeptide. Journal of Medicinal Chemistry, 2021, 64, 6209-6220.	2.9	6
13	Paclitaxel and curcumin co-loaded mixed micelles: Improving in vitro efficacy and reducing toxicity against AbraxaneÂ®. Journal of Drug Delivery Science and Technology, 2021, 62, 102343.	1.4	9
14	Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry. Journal of Colloid and Interface Science, 2021, 591, 373-383.	5.0	18
15	Comprehensive Insight from Phthalates Occurrence: From Health Outcomes to Emerging Analytical Approaches. Toxics, 2021, 9, 157.	1.6	21
16	An Active Surface Preservation Strategy for the Rational Development of Carbon Dots as pH-Responsive Fluorescent Nanosensors. Chemosensors, 2021, 9, 191.	1.8	11
17	Estimation of carbon dots amelioration of copper toxicity in maize studied by synchrotron radiation-FTIR. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111828.	2.5	7
18	Design, Synthesis, and Biological Evaluation of Hybrid Glypromate Analogues Using 2-Azanorbornane as a Prolyl and Pipecolyl Surrogate. ACS Chemical Neuroscience, 2021, 12, 3615-3624.	1.7	3

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19	Detection of Cadmium-related ions by MALDI TOF mass spectrometry correlates with physicochemical properties of Cadmium/matrix adducts. Polyhedron, 2021, 209, 115463.	1.0	0
20	Electronic Structure of Nitrobenzene: A Benchmark Example of the Accuracy of the Multi-State CASPT2 Theory. Journal of Physical Chemistry A, 2021, 125, 9431-9437.	1.1	12
21	Acid functionalized coal fly ashes: New solid catalysts for levulinic acid esterification. Catalysis Today, 2020, 357, 74-83.	2.2	14
22	Targeted anti-inflammatory peptide delivery in injured endothelial cells using dermatan sulfate/chitosan nanomaterials. Carbohydrate Polymers, 2020, 230, 115610.	5.1	13
23	Insights into the formation of N doped 3D-graphene quantum dots. Spectroscopic and computational approach. Journal of Colloid and Interface Science, 2020, 561, 678-686.	5.0	35
24	Single step synthesis of a polyhydroxy ether and its optimization to adsorption of a textile dye. Journal of Environmental Chemical Engineering, 2020, 8, 103416.	3.3	4
25	SR-FTIR spectro-microscopic interaction study of biochemical changes in HeLa cells induced by Levan-C60, Pullulan-C60, and their cholesterol-derivatives. International Journal of Biological Macromolecules, 2020, 165, 2541-2549.	3.6	6
26	Assessment of Graphitized Coal Ash Char Concentrates as a Potential Synthetic Graphite Source. Minerals (Basel, Switzerland), 2020, 10, 986.	0.8	16
27	Detection of Dopamine in Human Fluids Using N-Doped Carbon Dots. ACS Applied Nano Materials, 2020, 3, 8004-8011.	2.4	39
28	Lactoferrin purification and whey protein isolate recovery from cheese whey using chitosan mini-spheres. International Dairy Journal, 2020, 109, 104764.	1.5	15
29	Turning Spent Coffee Grounds into Sustainable Precursors for the Fabrication of Carbon Dots. Nanomaterials, 2020, 10, 1209.	1.9	36
30	Insights into the formation of an emissive CdTe-quantum-dots/cellulose hybrid film. Journal of Colloid and Interface Science, 2020, 579, 714-722.	5.0	13
31	Modification of electrodes with N-and S-doped carbon dots. Evaluation of the electrochemical response. Talanta, 2020, 212, 120806.	2.9	23
32	Insights into the Photodecomposition of Azidomethyl Methyl Sulfide: A S₂/S₁ Conical Intersection on Nitrene Potential Energy Surfaces Leading to the Formation of S-Methyl-N-sulfenylmethanimine. Journal of Physical Chemistry A, 2020, 124, 1911-1921.	1.1	10
33	Heterogeneous acid catalysts prepared by immobilization of H3PW12O40 on silica through impregnation and inclusion, applied to the synthesis of 3H-1,5-benzodiazepines. Molecular Catalysis, 2020, 485, 110842.	1.0	17
34	Insights into the Thermal and Photochemical Reaction Mechanisms of Azidoacetonitrile. Spectroscopic and MSâ€CASPT2 Calculations. ChemPhysChem, 2020, 21, 1126-1133.	1.0	12
35	Synthesis of a cross-linked cellulose-based amine polymer and its application in wastewater purification. Environmental Science and Pollution Research, 2019, 26, 28080-28091.	2.7	11
36	Interaction of Carbohydrate Coated Cerium-Oxide Nanoparticles with Wheat and Pea: Stress Induction Potential and Effect on Development. Plants, 2019, 8, 478.	1.6	18

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37	Linear polyethylenimine-decorated gold nanoparticles: One-step electrodeposition and studies of interaction with viral and animal proteins. Electrochimica Acta, 2019, 301, 126-135.	2.6	9
38	pH and ion-selective swelling behaviour of keratin and keratose 3D hydrogels. European Polymer Journal, 2019, 118, 1-9.	2.6	8
39	Sustainable Production of Carbon Nanoparticles from Olive Pit Biomass: Understanding Proton Transfer in the Excited State on Carbon Dots. ACS Sustainable Chemistry and Engineering, 2019, 7, 10493-10500.	3.2	26
40	Fingerprint imaging using N-doped carbon dots. Carbon, 2019, 144, 791-797.	5.4	64
41	Kinetic and equilibrium adsorption of two post-harvest fungicides onto copper-exchanged montmorillonite: synergic and antagonistic effects of both fungicidesâ€™ presence. Environmental Science and Pollution Research, 2019, 26, 2421-2434.	2.7	6
42	3-Hydroxykynurenic acid: Physicochemical properties and fluorescence labeling. Dyes and Pigments, 2019, 162, 552-561.	2.0	4
43	P-doped carbon nano-powders for fingerprint imaging. Talanta, 2019, 194, 150-157.	2.9	26
44	Use of capillary electrophoresis for characterisation of vinylâ€terminated Au nanoprisms and nanooctahedra. Electrophoresis, 2018, 39, 1437-1442.	1.3	5
45	S- and N-doped carbon quantum dots: Surface chemistry dependent antibacterial activity. Carbon, 2018, 135, 104-111.	5.4	244
46	Calcium alginate beads reinforced with synthetic oligomers, linear polyethylenimine and Cu(II): structural stability and potential applications. Cellulose, 2018, 25, 1657-1672.	2.4	8
47	Generation and Stability of the gem-Diol Forms in Imidazole Derivatives Containing Carbonyl Groups. Solid-State NMR and Single-Crystal X-ray Diffraction Studies. Journal of Physical Chemistry A, 2018, 122, 601-609.	1.1	23
48	Catalyzed Microwave-Assisted Preparation of Carbon Quantum Dots from Lignocellulosic Residues. ACS Sustainable Chemistry and Engineering, 2018, 6, 7200-7205.	3.2	88
49	Enhanced electrochemical response of carbon quantum dot modified electrodes. Talanta, 2018, 178, 679-685.	2.9	55
50	Sulfanilic acidâ€modified chitosan miniâ€spheres and their application for lysozyme purification from egg white. Biotechnology Progress, 2018, 34, 387-396.	1.3	11
51	Corrosion Resistance of Mild Steel Coated with Orgainc Material Containing Pyrazol Moiety. Coatings, 2018, 8, 330.	1.2	42
52	Carbon Quantum Dot Surface-Chemistry-Dependent Ag Release Governs the High Antibacterial Activity of Ag-Metalâ€“Organic Framework Composites. ACS Applied Bio Materials, 2018, 1, 693-707.	2.3	80
53	Magnetic/non-magnetic argan press cake nanocellulose for the selective extraction of sudan dyes in food samples prior to the determination by capillary liquid chromatograpy. Talanta, 2017, 166, 63-69.	2.9	42
54	Thiabendazole adsorption on montmorillonite, octadecyltrimethylammonium- and Acremonium sp.-loaded products and their copper complexes. Chemical Engineering Journal, 2017, 320, 11-21.	6.6	25

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55	Thermo-responsive microgels based on encapsulated carbon quantum dots. New Journal of Chemistry, 2017, 41, 4835-4842.	1.4	19
56	Phosphorus adsorption by a modified polyampholyte-diatomaceous earth material containing imidazole and carboxylic acid moieties: batch and dynamic studies. New Journal of Chemistry, 2017, 41, 7667-7673.	1.4	3
57	Transfection of bovine fetal fibroblast with polyethylenimine (PEI) nanoparticles: effect of particle size and presence of fetal bovine serum on transgene delivery and cytotoxicity. Cytotechnology, 2017, 69, 655-665.	0.7	15
58	Dispersed synthesis of uniform Fe3O4 magnetic nanoparticles via in situ decomposition of iron precursor along cotton fibre for Sudan dyes analysis in food samples. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 1853-1862.	1.1	8
59	P120-Catenin Regulates Early Trafficking Stages of the N-Cadherin Precursor Complex. PLoS ONE, 2016, 11, e0156758.	1.1	9
60	New Insights about the Selectivity in the Activation of Hydrogen Peroxide by Cobalt or Copper Hydrogel Heterogeneous Catalysts in the Generation of Reactive Oxygen Species. Journal of Physical Chemistry C, 2016, 120, 29332-29347.	1.5	27
61	Enhancement of the Upconversion Emission by Visible-to-Near-Infrared Fluorescent Graphene Quantum Dots for miRNA Detection. ACS Applied Materials & Interfaces, 2016, 8, 12644-12651.	4.0	73
62	Carbon dots as fluorescent sensor for detection of explosive nitrocompounds. Carbon, 2016, 106, 171-178.	5.4	117
63	Fluorescent responsive chlorophyllide-hydrogel for carbon dioxide detection. Sensors and Actuators B: Chemical, 2016, 237, 905-911.	4.0	18
64	gem-Diol and Hemiacetal Forms in Formylpyridine and Vitamin-B6-Related Compounds: Solid-State NMR and Single-Crystal X-ray Diffraction Studies. Journal of Physical Chemistry A, 2016, 120, 7778-7785.	1.1	16
65	Synthesis of Waterâ€Soluble Oligomers From Imidazole, Ethyleneglycol Diglycidyl Ether, and Methacrylic Acid. An Insight Into the Chemical Structure, Aggregation Behavior and Formation of Hollow Spheres. Macromolecular Materials and Engineering, 2016, 301, 167-181.	1.7	8
66	Influence of pH, layer charge location and crystal thickness distribution on U(VI) sorption onto heterogeneous dioctahedral smectite. Journal of Hazardous Materials, 2016, 317, 246-258.	6.5	28
67	Carbon dots on based folic acid coated with PAMAM dendrimer as platform for Pt(IV) detection. Journal of Colloid and Interface Science, 2016, 465, 165-173.	5.0	58
68	HmuS and HmuQ of Ensifer/Sinorhizobium meliloti degrade heme in vitro and participate in heme metabolism in vivo. BioMetals, 2016, 29, 333-347.	1.8	5
69	Dermatan sulfate/chitosan polyelectrolyte complex with potential application in the treatment and diagnosis of vascular disease. Carbohydrate Polymers, 2016, 144, 362-370.	5.1	30
70	A New Look at the Halogenation of Porphyrins. Current Organic Chemistry, 2016, 21, 177-182.	0.9	1
71	Solid-state Studies of the Crystalline/Amorphous Character in Linear Poly(ethylenimine) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.2	25
72	Fingerprint detection and using intercalated CdSe nanoparticles on non-porous surfaces. Analytica Chimica Acta, 2014, 812, 228-235.	2.6	35

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73	Synthesis, Characterization, and Catalytic Properties of Cationic Hydrogels Containing Copper(II) and Cobalt(II) Ions. Langmuir, 2014, 30, 2903-2913.	1.6	13
74	Luminescent carbon nanoparticles: effects of chemical functionalization, and evaluation of Ag+ sensing properties. Journal of Materials Chemistry A, 2014, 2, 8342.	5.2	92
75	Activation of H2O2 and superoxide production using a novel cobalt complex based on a polyampholyte. Applied Catalysis A: General, 2013, 467, 342-354.	2.2	13
76	Insights into the coordination sphere of copper ion in polymers containing carboxylic acid and azole groups. Polymer, 2013, 54, 5214-5221.	1.8	16
77	Synthesis and characterization of novel polyampholyte and polyelectrolyte polymers containing imidazole, triazole or pyrazole. Polymer, 2012, 53, 1288-1297.	1.8	23
78	Development and characterization of a polyampholyte-based reactor immobilizing soybean seed coat peroxidase for analytical applications in a flow system. Biochemical Engineering Journal, 2011, 58-59, 57-68.	1.8	7
79	XPS studies on the Cu(I,II)â€“polyampholyte heterogeneous catalyst: An insight into its structure and mechanism. Journal of Molecular Catalysis A, 2011, 339, 43-51.	4.8	98
80	NMR Characterization of Hydrate and Aldehyde Forms of Imidazole-2-carboxaldehyde and Derivatives. Journal of Organic Chemistry, 2010, 75, 3208-3213.	1.7	32
81	Development and characterization of a new polyampholyteâ€“surfactant complex applied to the solid phase extraction of bisphenol-A. Talanta, 2009, 80, 789-796.	2.9	11
82	New copper(II) complexes of polyampholyte and polyelectrolyte polymers: Solid-state NMR, FTIR, XRPD and thermal analyses. Polymer, 2008, 49, 5482-5489.	1.8	26
83	Synthesis and sorption properties of a polyampholyte. Reactive and Functional Polymers, 2008, 68, 169-181.	2.0	23
84	Synthesis, FTIR, solid-state NMR and SEM studies of novel polyampholytes or polyelectrolytes obtained from EGDE, MAA and imidazoles. European Polymer Journal, 2008, 44, 392-407.	2.6	27
85	Studies on the activation of hydrogen peroxide for color removal in the presence of a new Cu(II)-polyampholyte heterogeneous catalyst. Applied Catalysis B: Environmental, 2008, 82, 273-283.	10.8	55
86	Design, Characterization, and Environmental Applications of Hydrogels with Metal Ion Coordination Properties. , 0, , .		2