

# Juan Manuel Lopez-Romero

## List of Publications by Year in descending order

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62  
papers

1,305  
citations

430754

18  
h-index

377752

34  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1853  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid-Based Nanoparticles: Application and Recent Advances in Cancer Treatment. <i>Nanomaterials</i> , 2019, 9, 638.	1.9	293
2	Electrospun Nanofibers: Recent Applications in Drug Delivery and Cancer Therapy. <i>Nanomaterials</i> , 2019, 9, 656.	1.9	110
3	Gold vs. Platinum-Catalyzed Polycyclizations by <i>o</i> -Acyl Migration. <i>Solvent-Free Reactions. Advanced Synthesis and Catalysis</i> , 2008, 350, 43-48.	2.1	98
4	Temperature-Controlled Catalysis by Core-Shell-Satellite AuAg@pNIPAM@Ag Hybrid Microgels: A Highly Efficient Catalytic Thermoresponsive Nanoreactor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29360-29372.	4.0	63
5	Protein-resistant monolayers prepared by hydrosilylation of $\omega$ -oligo(ethylene glycol)-alkenes on hydrogen-terminated silicon (111) surfaces. <i>Chemical Communications</i> , 2004, , 2510-2511.	2.2	52
6	Pd-activated carbon catalysts for hydrogenation and Suzuki reactions. <i>Applied Catalysis A: General</i> , 2009, 368, 113-120.	2.2	44
7	Tripalmitin nanoparticle formulations significantly enhance paclitaxel antitumor activity against breast and lung cancer cells in vitro. <i>Scientific Reports</i> , 2017, 7, 13506.	1.6	31
8	A new approach to the synthesis of 4,5-dioxoaporphine alkaloids from preformed biaryl bond precursors. <i>Tetrahedron</i> , 1996, 52, 11307-11320.	1.0	27
9	Synthesis of Homoprotoberberines and 8-Oxoprotoberberines by Sequential Bicyclization of Phenylacetamides. <i>Tetrahedron</i> , 2000, 56, 993-998.	1.0	25
10	Suzuki-Miyaura monocouplings of p-dibromobiphenyl and substituted p-dibromo(penta-p-phenylenes). <i>Tetrahedron</i> , 2011, 67, 2555-2561.	1.0	25
11	Inclusion of silver nanoparticles for improving regenerated cellulose membrane performance and reduction of biofouling. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 758-763.	3.6	25
12	10-Fold Quantum Yield Improvement of Ag <sub>2</sub> S Nanoparticles by Fine Compositional Tuning. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 12500-12509.	4.0	25
13	Magnetically active pNIPAM nanosystems as temperature-sensitive biocompatible structures for controlled drug delivery. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1022-1035.	1.9	23
14	Modification of a regenerated cellulose membrane with lipid nanoparticles and layers. Nanoparticle preparation, morphological and physicochemical characterization of nanoparticles and modified membranes. <i>Journal of Membrane Science</i> , 2010, 355, 45-52.	4.1	22
15	Paclitaxel-loaded hollow-poly(4-vinylpyridine) nanoparticles enhance drug chemotherapeutic efficacy in lung and breast cancer cell lines. <i>Nano Research</i> , 2017, 10, 856-875.	5.8	22
16	Alkaloids from <i>Fumaria sepium</i> and <i>Fumaria agraria</i> . <i>Biochemical Systematics and Ecology</i> , 2002, 30, 263-265.	0.6	21
17	The palladium(0) Suzuki cross-coupling reaction as the key step in the synthesis of aporphinoids. <i>Tetrahedron</i> , 2004, 60, 5725-5735.	1.0	19
18	Application of a novel gastrointestinal tract simulator system based on a membrane bioreactor (SimuGIT) to study the stomach tolerance and effective delivery enhancement of nanoencapsulated macelignan. <i>Chemical Engineering Science</i> , 2016, 140, 104-113.	1.9	19

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19	Au@p4VP core@shell pH-sensitive nanocomposites suitable for drug entrapment. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 704-714.	5.0	19
20	Chemical composition of industrially and laboratory processed <i>Cyperus esculentus</i> rhizomes. <i>Food Chemistry</i> , 2019, 297, 124896.	4.2	19
21	Synthesis of 3,4-dioxocolarine and aristocularine alkaloids in a convergent route from aryloxy-phenyl acetamides involving oxalyl chloride-Lewis acid. <i>Arkivoc</i> , 2005, 2002, 62-72.	0.3	18
22	A versatile approach to the synthesis of 4,5-dioxoaporphine and 3,4-dioxocolarine alkaloids. One-Pot sequential ring formation from arylacetamides. <i>Tetrahedron Letters</i> , 1996, 37, 9357-9360.	0.7	15
23	Vapor pressures and enthalpies of vaporization of azides. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1652-1659.	1.0	15
24	Scaling Laws in the Diffusive Release of Neutral Cargo from Hollow Hydrogel Nanoparticles: Paclitaxel-Loaded Poly(4-vinylpyridine). <i>ACS Nano</i> , 2020, 14, 15227-15240.	7.3	15
25	Exploring the Ring-Closing Metathesis for the Construction of the Solomonamide Macrocyclic Core: Identification of Bioactive Precursors. <i>Journal of Organic Chemistry</i> , 2018, 83, 5365-5383.	1.7	13
26	Synthesis of penta-p-phenylenes with oligo(ethylene glycol) side chains. <i>Tetrahedron Letters</i> , 2007, 48, 6075-6079.	0.7	12
27	Thermochemistry of organic azides revisited. <i>Thermochimica Acta</i> , 2014, 597, 78-84.	1.2	12
28	Pyrrolizidine alkaloids from three Spanish <i>Senecio</i> species. <i>Biochemical Systematics and Ecology</i> , 2002, 30, 981-984.	0.6	11
29	Synthesis of theophylline derivatives and study of their activity as antagonists at adenosine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2081-2088.	1.4	11
30	Silicon surface biofunctionalization with dopaminergic tetrahydroisoquinoline derivatives. <i>Applied Surface Science</i> , 2016, 360, 419-428.	3.1	11
31	Controlling Size and Morphology in Hybrid Core@Shell and Core@Shell@Satellite Nanostructures for Sensing by Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2020, 3, 8247-8256.	2.4	11
32	Sequential bicyclization of biphenyl acetamides promoted by (COCl) <sub>2</sub> /SnCl <sub>4</sub> . Total synthesis of 4,5-dioxoaporphines. <i>Tetrahedron</i> , 1997, 53, 14397-14410.	1.0	10
33	Membrane surface functionalization via theophylline derivative coating and streptavidin immobilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 176-181.	2.5	10
34	Polyacrylic acid polymer brushes as substrates for the incorporation of anthraquinone derivatives. Unprecedented application of decorated polymer brushes on organocatalysis. <i>Applied Surface Science</i> , 2018, 428, 566-578.	3.1	10
35	The Development of the Bengamides as New Antibiotics against Drug-Resistant Bacteria. <i>Marine Drugs</i> , 2022, 20, 373.	2.2	10
36	Chiral high-performance liquid chromatographic separation and circular dichroism spectra of the enantiomers of cytotoxic aristocularine alkaloids. <i>Journal of Chromatography A</i> , 2006, 1129, 140-144.	1.8	9

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37	Synthesis of new mannosyl, galactosyl and glucosyl theophylline nucleosides with potential activity as antagonists of adenosine receptors. DEMA-induced cyclization of glycosylideneiminouracils. Carbohydrate Research, 2008, 343, 855-864.	1.1	9
38	Exploring the Antiangiogenic Potential of Solomonamide A Bioactive Precursors: In Vitro and in Vivo Evidences of the Inhibitory Activity of Solo F-OH During Angiogenesis. Marine Drugs, 2019, 17, 228.	2.2	9
39	Tripod-shaped molecules: Synthesis and immobilization on Au(111) substrates. Applied Surface Science, 2019, 470, 259-268.	3.1	9
40	Raman Study of the Rigidity of Penta- <i>p</i> -phenylene Derivatives Used as Legs in Molecular Tripods. Journal of Physical Chemistry B, 2008, 112, 5363-5367.	1.2	8
41	Functionalized Lipid Nanoparticles@Cellophane Hybrid Films for Molecular Delivery: Preparation, Physicochemical Characterization, and Stability. Journal of Pharmaceutical Sciences, 2011, 100, 4815-4822.	1.6	8
42	Effect of lipid nanoparticles inclusion on transport parameters through regenerated cellulose membranes. Journal of Membrane Science, 2011, 370, 70-75.	4.1	8
43	Nicosamide quantification in methyl- $\beta$ -cyclodextrin after derivatization to aminoniclosamide. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 72, 89-94.	1.6	8
44	Characterization and stability of a bioactivated alumina nanomembrane for application in flow devices. Microporous and Mesoporous Materials, 2016, 226, 88-93.	2.2	8
45	Phytochemical variations within populations of Platycapnos saxicola Willk.. Biochemical Systematics and Ecology, 2004, 32, 565-572.	0.6	7
46	Synthesis and Structural Analysis of Substituted Tripod-Shaped Tri- and Tetra- <i>p</i> -phenylenes. European Journal of Organic Chemistry, 2010, 2010, 5672-5680.	1.2	7
47	Electrospraying as a Technique for the Controlled Synthesis of Biocompatible PLGA@Ag2S and PLGA@Ag2S@SPION Nanocarriers with Drug Release Capability. Pharmaceutics, 2022, 14, 214.	2.0	6
48	Modification of fluorosubstrates with oligo(ethylene glycol) via click chemistry for long-term resistance of cell adhesion. Journal of Colloid and Interface Science, 2015, 458, 112-118.	5.0	5
49	Synthesis and Covalent Grafting of Tripod-Shaped Oligo( <i>p</i> -phenylene)s End-Capped with Azide Groups. Asian Journal of Organic Chemistry, 2016, 5, 550-559.	1.3	5
50	Study of the self-assembly process of an oligo(ethylene glycol)-thioacetyl substituted theophylline (THEO) on gold substrates. Journal of Electroanalytical Chemistry, 2018, 823, 663-671.	1.9	5
51	Bengamide Analogues Show A Potent Antitumor Activity against Colon Cancer Cells: A Preliminary Study. Marine Drugs, 2020, 18, 240.	2.2	5
52	Physicochemical and transport parameters for a lipid coated regenerated cellulose membrane. Vacuum, 2011, 85, 1067-1070.	1.6	4
53	Preparation, Chemical and Electrical Characterizations of Lipid Nanoparticles Loaded with Dihydroxybenzophenone. Medicinal Chemistry, 2012, 8, 541-548.	0.7	4
54	Preparation, characterization, and protein-resistance of films derived from a series of $\beta$ -oligo(ethylene) Tj ETQq000.rgBT /Overlock 10 T	1.78	3

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55	Tripodal penta( p -phenylene) for the biofunctionalization of alkynyl-modified silicon surfaces. Applied Surface Science, 2018, 445, 175-185.	3.1	3
56	DMABI tripod structures with sensing capabilities: synthesis, characterization and fluorescence analysis. New Journal of Chemistry, 2016, 40, 2393-2400.	1.4	2
57	Effect of the cross-linking density on the gold core oxidation in hybrid core@shell Au@pNIPAM and Janus Au@p4VP systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 124014.	2.3	2
58	Synthesis, solubility and antitumor activity of maslinic acid derivatives. European Journal of Medicinal Chemistry Reports, 2022, 4, 100032.	0.6	2
59	SPION nanoparticles for delivery of dopaminergic isoquinoline and benzazepine derivatives. Bioorganic and Medicinal Chemistry, 2022, 69, 116910.	1.4	2
60	Nanoscale Biocompatible Structures Generated from Fluorinated Tripodal Phenylenes on Gold Nanoprisms. ChemistryOpen, 2022, 11, e202200007.	0.9	1
61	Hybrid Regenerated Cellulose/Loaded Lipid Nanoparticle Membranes: Preparation and Characterization. , 2014, , 1-2.		0
62	Hybrid Regenerated Cellulose/Loaded Lipid Nanoparticle Membranes: Preparation and Characterization. , 2016, , 973-974.		0