

Alejandro Avila-Ortega

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.

29
papers

500
citations

8
h-index

22
g-index

29
ext. papers

587
ext. citations

3.1
avg, IF

3.45
L-index

#	Paper	IF	Citations
29	Platinum-Decorated TiO ₂ : One Step Fast Monometallic Impregnation and Plasma Effect on Nanoparticles. <i>Journal of Composites Science</i> , 2022 , 6, 4	3	0
28	Coating evaluation of polydimethylsiloxane-aminopropylsiloxane for stir bar sorptive extraction 2021 , 18, 1143-1151		1
27	Preparation and characterization of polydimethylsiloxane containing cyano/phenyl groups for potential use in sorptive extraction 2021 , 18, 1087-1094		1
26	Synthesis of hybrid polymeric fibers of different functionalized alkoxy silane coupling agents obtained via sol-gel and electrospinning technique: effect on the morphology by addition of PVA. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 99, 25	2.3	0
25	Influence of deposited amine-functionalized Si-MCM-41 in polyacrylonitrile electrospun membranes applied for separation of water in oil emulsions. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50737	2.9	1
24	One-step nitrogen plasma process for bimetallic impregnation to obtain N-TiO ₂ /Au/Ag composite. <i>Nanomaterials and Nanotechnology</i> , 2020 , 10, 184798042090542	2.9	3
23	Increased Toxicity of Doxorubicin Encapsulated into pH-Responsive Poly(β-Amino Ester)-Functionalized MCM-41 Silica Nanoparticles. <i>Current Drug Delivery</i> , 2020 , 17, 799-805	3.2	1
22	Design, synthesis, characterization, and cytotoxicity of PCL/PLGA scaffolds through plasma treatment in the presence of pyrrole for possible use in urethral tissue engineering. <i>Journal of Biomaterials Applications</i> , 2020 , 34, 840-850	2.9	7
21	Effect of different exposure times on physicochemical, mechanical and biological properties of PGS scaffolds treated with plasma of iodine-doped polypyrrole. <i>Journal of Biomaterials Applications</i> , 2020 , 35, 485-499	2.9	2
20	Synthesis of Poly(2-Acrylamido-2-Methylpropane Sulfonic Acid) and its Block Copolymers with Methyl Methacrylate and 2-Hydroxyethyl Methacrylate by Quasiliving Radical Polymerization Catalyzed by a Cyclometalated Ruthenium(II) Complex. <i>Polymers</i> , 2020 , 12,	4.5	4
19	Effect of Functionalization Synthesis Type of Amino-MCM-41 Mesoporous Silica Nanoparticles on Its RB5 Adsorption Capacity and Kinetics. <i>Silicon</i> , 2019 , 11, 1547-1555	2.4	14
18	Synthesis of pH-sensitive poly(β-amino ester)-coated mesoporous silica nanoparticles for the controlled release of drugs. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 853-866	3.3	6
17	Effect of inductively coupled plasma surface treatment on silica gel and mesoporous MCM-41 particles. <i>Plasma Science and Technology</i> , 2018 , 20, 065506	1.5	1
16	Evaluation of Polydimethylsiloxane-Phenylsiloxane as a Coating for Stir Bar Sorptive Extraction 2018 , 62,		4
15	Effect of the type of plasma on the polydimethylsiloxane/collagen composites adhesive properties. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 77, 85-95	3.4	8
14	Preparation, characterization and evaluation of a hybrid polymeric coating with sorbent properties. <i>Chemical Papers</i> , 2017 , 71, 1205-1215	1.9	6
13	Optimization of Methyl Methacrylate Inductively Coupled Plasma Surface Modification of ZrO ₂ Particles used in Acrylic Bone Cement Formulations. <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 777-787		1

12	Controlled Phase Changes of Titania Using Nitrogen Plasma. <i>Nanoscale Research Letters</i> , 2017 , 12, 32	5	9
11	Surface modification of electrospun polycaprolactone microfibers by air plasma treatment: Effect of plasma power and treatment time. <i>European Polymer Journal</i> , 2016 , 84, 502-513	5.2	35
10	Effects of different amounts of APTES on physicochemical and structural properties of amino-functionalized MCM-41-MSNs. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 80, 697-708	2.3	37
9	Anionic synthesis of amine terminated myrcene polymers. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	9
8	Effect of wettability and surface roughness on the adhesion properties of collagen on PDMS films treated by capacitively coupled oxygen plasma. <i>Applied Surface Science</i> , 2015 , 349, 763-773	6.7	65
7	Matrix solid-phase dispersion extraction of organophosphorus pesticide using SiO ₂ -poly(N-vinylimidazole). <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 45, 012022	0.4	1
6	Luminescent polydibenzothiophene thin film obtained by glow discharge method. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 1120-1124	2.9	1
5	A TG/FTIR study on the thermal degradation of poly(vinyl pyrrolidone). <i>Journal of Thermal Analysis and Calorimetry</i> , 2011 , 104, 737-742	4.1	149
4	TGA/FTIR studies of segmented aliphatic polyurethanes and their nanocomposites prepared with commercial montmorillonites. <i>Polymer Degradation and Stability</i> , 2009 , 94, 1666-1677	4.7	121
3	Surface modification of quarry stone by hexamethyldisiloxane plasma treatment. <i>Applied Organometallic Chemistry</i> , 2007 , 21, 858-861	3.1	3
2	Living anionic polymerization of 2-vinyldibenzothiophene: Homopolymer and block copolymers with styrene. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 1993-2003	2.5	6
1	Assessment of <i>Leucaena leucocephala</i> as bio-based adsorbent for the removal of Pb ²⁺ , Cd ²⁺ and Ni ²⁺ from water. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 331-342		4