

# Alejandro Avila-Ortega

## List of Publications by Citations

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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	A TG/FTIR study on the thermal degradation of poly(vinyl pyrrolidone). <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 104, 737-742	4.1	149
28	TGA/FTIR studies of segmented aliphatic polyurethanes and their nanocomposites prepared with commercial montmorillonites. <i>Polymer Degradation and Stability</i> , <b>2009</b> , 94, 1666-1677	4.7	121
27	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> , <b>2015</b> , 349, 763-773	6.7	65
26	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> , <b>2016</b> , 80, 697-708	2.3	37
25	Surface modification of electrospun polycaprolactone microfibers by air plasma treatment: Effect of plasma power and treatment time. <i>European Polymer Journal</i> , <b>2016</b> , 84, 502-513	5.2	35
24	Effect of Functionalization Synthesis Type of Amino-MCM-41 Mesoporous Silica Nanoparticles on Its RB5 Adsorption Capacity and Kinetics. <i>Silicon</i> , <b>2019</b> , 11, 1547-1555	2.4	14
23	Anionic synthesis of amine terminated myrcene polymers. <i>Journal of Polymer Research</i> , <b>2015</b> , 22, 1	2.7	9
22	Controlled Phase Changes of Titania Using Nitrogen Plasma. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 32	5	9
21	Effect of the type of plasma on the polydimethylsiloxane/collagen composites adhesive properties. <i>International Journal of Adhesion and Adhesives</i> , <b>2017</b> , 77, 85-95	3.4	8
20	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> , <b>2020</b> , 34, 840-850	2.9	7
19	Preparation, characterization and evaluation of a hybrid polymeric coating with sorbent properties. <i>Chemical Papers</i> , <b>2017</b> , 71, 1205-1215	1.9	6
18	Synthesis of pH-sensitive poly(amino ester)-coated mesoporous silica nanoparticles for the controlled release of drugs. <i>Applied Nanoscience (Switzerland)</i> , <b>2018</b> , 8, 853-866	3.3	6
17	Living anionic polymerization of 2-vinylidibenzothiophene: Homopolymer and block copolymers with styrene. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 1993-2003	2.5	6
16	Evaluation of Polydimethylsiloxane-Phenylsiloxane as a Coating for Stir Bar Sorptive Extraction <b>2018</b> , 62,		4
15	Assessment of <i>Leucaena leucocephala</i> as bio-based adsorbent for the removal of Pb <sup>2+</sup> , Cd <sup>2+</sup> and Ni <sup>2+</sup> from water <b>2017</b> , 331-342		4
14	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> , <b>2020</b> , 12,	4.5	4
13	One-step nitrogen plasma process for bimetallic impregnation to obtain N-TiO <sub>2</sub> /Au/Ag composite. <i>Nanomaterials and Nanotechnology</i> , <b>2020</b> , 10, 184798042090542	2.9	3

12	Surface modification of quarry stone by hexamethyldisiloxane plasma treatment. <i>Applied Organometallic Chemistry</i> , <b>2007</b> , 21, 858-861	3.1	3
11	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> , <b>2020</b> , 35, 485-499	2.9	2
10	Optimization of Methyl Methacrylate Inductively Coupled Plasma Surface Modification of ZrO <sub>2</sub> Particles used in Acrylic Bone Cement Formulations. <i>Polymer-Plastics Technology and Engineering</i> , <b>2017</b> , 56, 777-787		1
9	Effect of inductively coupled plasma surface treatment on silica gel and mesoporous MCM-41 particles. <i>Plasma Science and Technology</i> , <b>2018</b> , 20, 065506	1.5	1
8	Luminescent polydibenzothiophene thin film obtained by glow discharge method. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 1120-1124	2.9	1
7	Matrix solid-phase dispersion extraction of organophosphorus pesticide using SiO <sub>2</sub> -poly(N-vinylimidazole). <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 45, 012022	0.4	1
6	Increased Toxicity of Doxorubicin Encapsulated into pH-Responsive Poly(EAmino Ester)-Functionalized MCM-41 Silica Nanoparticles. <i>Current Drug Delivery</i> , <b>2020</b> , 17, 799-805	3.2	1
5	Coating evaluation of polydimethylsiloxane-aminopropylsiloxane for stir bar sorptive extraction <b>2021</b> , 18, 1143-1151		1
4	Preparation and characterization of polydimethylsiloxane containing cyano/phenyl groups for potential use in sorptive extraction <b>2021</b> , 18, 1087-1094		1
3	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> , <b>2021</b> , 138, 50737	2.9	1
2	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> , <b>2021</b> , 99, 25	2.3	0
1	Platinum-Decorated TiO <sub>2</sub> : One Step Fast Monometallic Impregnation and Plasma Effect on Nanoparticles. <i>Journal of Composites Science</i> , <b>2022</b> , 6, 4	3	0