Alejandro Vega-Rios

List of Publications by Year
in descending order

30 papers	514 citations	840585 11 h-index	677027 22 g-index
30 all docs	30 docs citations	30 times ranked	810 citing authors

#	Article	IF	Citations
1	Lignin in storage and renewable energy applications: A review. Journal of Energy Chemistry, 2018, 27, 1422-1438.	7.1	178
2	Progress of Polyaniline Glucose Sensors for Diabetes Mellitus Management Utilizing Enzymatic and Non-Enzymatic Detection. Biosensors, 2022, 12, 137.	2.3	38
3	Mechanical, thermal, and antioxidant properties of composite films prepared from durum wheat starch and lignin. Starch/Staerke, 2015, 67, 502-511.	1.1	34
4	On the Discoloration of Methylene Blue by Visible Light. Journal of Fluorescence, 2019, 29, 15-25.	1.3	31
5	Poly(ortho-phenylenediamine-co-aniline) based copolymer with improved capacitance. Journal of Power Sources, 2017, 366, 233-240.	4.0	28
6	A new route toward graphene nanosheet/polyaniline composites using a reactive surfactant as polyaniline precursor. Synthetic Metals, 2013, 184, 52-60.	2.1	21
7	Synthesis of graphene oxide/poly(3,4â€“ethylenedioxythiophene) composites by Fenton's reagent. Polymer, 2017, 130, 124-134.	1.8	21
8	Synthesis and electrical properties of polyaniline/iota-carrageenan biocomposites. Carbohydrate Polymers, 2014, 110, 78-86.	5.1	17
9	Electrical and electrochemical properties of polystyrene/polyaniline coreâ€“shell materials prepared with the use of a reactive surfactant as the polyaniline shell precursor. Synthetic Metals, 2013, 167, 64-71.	2.1	15
10	Room Temperature Detection of Acetone by a PANI/Cellulose/WO₃Electrochemical Sensor. Journal of Nanomaterials, 2018, 2018, 1-9.	1.5	14
11	Synthesis of Graphite Oxide with Different Surface Oxygen Contents Assisted Microwave Radiation. Nanomaterials, 2018, 8, 106.	1.9	14
12	Filament Extrusion and Its 3D Printing of Poly(Lactic Acid)/Poly(Styrene-co-Methyl Methacrylate) Blends. Applied Sciences (Switzerland), 2019, 9, 5153.	1.3	13
13	Effect of Zn doping on the photoluminescence properties of LiNbO3 single crystals. Optical Materials, 2016, 62, 639-645.	1.7	11
14	Chemoenzymatic Epoxidation of Highly Unsaturated Fatty Acid Methyl Ester and Its Application as Poly(lactic acid) Plasticizer. ACS Sustainable Chemistry and Engineering, 2021, 9, 17016-17024.	3.2	9
15	Poly(diphenylamine-co-aniline) copolymers for supercapacitor electrodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 15329-15338.	1.1	8
16	Selective polymerization of a new bifunctional monomer via free radical polymerization and oxidative route. Synthetic Metals, 2020, 259, 116258.	2.1	8
17	Polystyrene-polyaniline core-shell composite particles using a bifunctional selectively polymerizable monomer as the interfacial linkage. Synthetic Metals, 2020, 265, 116402.	2.1	7
18	Curing of Cellulose Hydrogels by UV Radiation for Mechanical Reinforcement. Polymers, 2021, 13, 2342.	2.0	6

#	Article	IF	Citations
19	Melanins ofVitex mollisfruit with differences in water-solubility show high inhibition of carbohydrate digestive enzymes and antioxidant activity. Journal of Food Biochemistry, 2018, 42, e12509.	1.2	5
20	Stiff-Elongated Balance of PLA-Based Polymer Blends. Polymers, 2021, 13, 4279.	2.0	5
21	Equilibrium and Nonequilibrium Nanoscale Ordering of Polystyrene-b-poly(N,Nâ€²-diethylaminoethyl methacrylate), a Block Copolymer Carrying Tertiary Amine Functional Groups. Journal of Nanomaterials, 2014, 2014, 1-14.	1.5	4
22	Diaminium salt as reactive amphiphile for the synthesis of poly(m-phenylenediamine) and paraffin microencapsulation. Colloid and Polymer Science, 2015, 293, 2635-2645.	1.0	4
23	Influence of iota-carrageenan on the morphology and electrical properties of poly(ortho-phenylenediamine) based copolymers. Synthetic Metals, 2019, 258, 116192.	2.1	4
24	Role of the Anilinium Ion on the Selective Polymerization of Anilinium 2-Acrylamide-2-methyl-1-propanesulfonate. Polymers, 2021, 13, 2349.	2.0	4
25	Synthesis and Characterization of Polyaniline/Magnetite Nanocomposite. International Journal of Theoretical and Applied Nanotechnology, 0, , .	0.0	4
26	Dibutyl Itaconate and Lauryl Methacrylate Copolymers by Emulsion Polymerization for Development of Sustainable Pressure-Sensitive Adhesives. Polymers, 2022, 14, 632.	2.0	4
27	Polyaniline precursor with surfactantâ€“monomer function for the synthesis of graphite nanosheet/polyaniline composites. Polymer Bulletin, 2018, 75, 2339-2355.	1.7	3
28	Strain state of poly(Nâ€isopropylacrylamide) in polystyreneâ€bâ€poly(Nâ€isopropylacrylamide) block copolymers and binary blends with polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1368-1376.	2.4	2
29	Numerical analysis of wood-high-density polyethylene composites: A hyperelastic approach. Journal of Composite Materials, 2019, 53, 73-82.	1.2	2
30	Microwave-assisted synthesis of W1â^'xMoxO3Â·0.33H2O compounds with enhanced band gap. Journal of Materials Science: Materials in Electronics, 2016, 27, 6003-6009.	1.1	0