

# Ricardo ManrÃ-quez

## List of Publications by Year in descending order

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28  
papers

697  
citations

759233

12  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1083  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-composites of cassava starch-green coconut fiber: Part II—Structure and properties. <i>Carbohydrate Polymers</i> , 2014, 102, 576-583.	10.2	152
2	Removal of Cu(II) ions from aqueous streams using poly(acrylic acid-co-acrylamide) hydrogels. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 583-593.	9.4	104
3	Synthesis of Hybrid Adsorbents Combining Sol–Gel Processing and Molecular Imprinting Applied to Lead Removal from Aqueous Streams. <i>Chemistry of Materials</i> , 2009, 21, 1439-1450.	6.7	76
4	Effect of Maleated PLA on the Properties of Rotomolded PLA-Agave Fiber Biocomposites. <i>Journal of Polymers and the Environment</i> , 2019, 27, 61-73.	5.0	50
5	Chemical and Mechanical Evaluation of Bio-composites Based on Thermoplastic Starch and Wood Particles Prepared by Thermal Compression. <i>BioResources</i> , 2014, 9, .	1.0	45
6	XRD and solid state <sup>13</sup> C-NMR evaluation of the crystallinity enhancement of <sup>13</sup> C-labeled bacterial cellulose biosynthesized by <i>Komagataeibacter xylinus</i> under different stimuli: A comparative strategy of analyses. <i>Carbohydrate Research</i> , 2018, 461, 51-59.	2.3	38
7	Solid-State NMR Studies of Aminocarboxylic Salt Bridges in $\alpha$ -Lysine Modified Cellulose. <i>Journal of Physical Chemistry B</i> , 2009, 113, 934-940.	2.6	31
8	Trivalent chromium removal from aqueous solutions by a sol–gel synthesized silica adsorbent functionalized with sulphonic acid groups. <i>Materials Research Bulletin</i> , 2014, 59, 394-404.	5.2	24
9	Chemical modification of cellulose with zwitterion moieties used in the uptake of red Congo dye from aqueous media. <i>Cellulose</i> , 2019, 26, 9207-9227.	4.9	23
10	Synthesis and characterization of Au(I) and Au(III) complexes containing N-heterocyclic ligands derived from amino acids. <i>Polyhedron</i> , 2014, 81, 564-571.	2.2	21
11	Biodegradability and improved mechanical performance of polyhydroxyalkanoates/agave fiber biocomposites compatibilized by different strategies. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50182.	2.6	19
12	Properties of Thermoplastic Corn Starch Based Green Composites Reinforced with Barley (Hordeum) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5	2.1	18
13	Evaluation of the Cr(VI) Adsorption Performance of Xanthate Polysaccharides Supported onto Agave Fiber-LDPE Foamed Composites. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	13
14	Chiral Imidazolium-Functionalized Au Nanoparticles: Reversible Aggregation and Molecular Recognition. <i>ACS Omega</i> , 2016, 1, 876-885.	3.5	11
15	Polymeric hydrogels obtained using a redox initiator: Application in Cu(II) ions removal from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	9
16	Efficiency and lead uptake mechanism of a phosphonate functionalized mesoporous silica through P/Pb association ratio. <i>Materials Chemistry and Physics</i> , 2020, 239, 122037.	4.0	9
17	Zwitterionic cellulose as a promising sorbent for anionic and cationic dyes. <i>Materials Letters</i> , 2021, 300, 130236.	2.6	9
18	Sisal chemo–thermomechanical pulp paper with a strongly hydrophobic surface coating produced by a pentafluorophenyldimethylsilane cold plasma. <i>Journal of Applied Polymer Science</i> , 2009, 112, 479-488.	2.6	8

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19	A Simplified Method of Synthesis to Obtain Zwitterionic Cellulose under Mild Conditions with Active Ionic Moieties. <i>Molecules</i> , 2020, 25, 3065.	3.8	8
20	Hybrid functionalized phosphonate silica: insight into chromium removal chemistry from aqueous solutions. <i>Journal of the Mexican Chemical Society</i> , 2019, 63, .	0.6	7
21	Improvement of Pb(II) Adsorption Capacity by Controlled Alkali Treatment to Chitosan Supported onto Agave Fiberâ€HDPE Composites. <i>Macromolecular Symposia</i> , 2017, 374, 1600104.	0.7	5
22	Novel Silica Hybrid Adsorbent Functionalized with <scp>l</scp>-Glutathione Used for the Uptake of As(V) from Aqueous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4348-4362.	3.7	5
23	Nutritional evaluation of mature seeds of <i>Enterolobium cyclocarpum</i> (parota) from diverse ecological zones in western Mexico. <i>Bosque</i> , 2015, 36, 95-103.	0.3	4
24	Iridium (III) 1,3-bis(aryl)triazene complexes: Synthesis, characterization and structure. <i>Inorganica Chimica Acta</i> , 2016, 451, 209-215.	2.4	4
25	Heterophase polymerization of different methacrylates: Effect of alkyl ester group on kinetics and colloidal behavior. <i>Journal of Applied Polymer Science</i> , 2014, 131, n/a-n/a.	2.6	3
26	Old Corrugated Container (OCC) Cardboard Material: An Alternative Source for Obtaining Microfibrillated Cellulose. <i>Journal of Natural Fibers</i> , 2022, 19, 9296-9308.	3.1	1
27	Water-dispersible nanohydrogels of cross-linked polyacrylamide. <i>Colloid and Polymer Science</i> , 2017, 295, 2395.	2.1	0
28	Fermentable Sugars from <i>Lupinus rotundiflorus</i> by Cumulative Pretreatments Using UV Light, Freezing, and Boiling in Alkaline Medium, Followed by Enzymatic Hydrolysis. <i>BioResources</i> , 2013, 8, .	1.0	0