

Ricardo Molina

List of Publications by Year in descending order

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28
papers

1,021
citations

430874

18
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Wettability, ageing and recovery process of plasma-treated polyamide 6. <i>Journal of Adhesion Science and Technology</i> , 2004, 18, 1077-1089.	2.6	107
2	Removal of priority pollutants from water by means of dielectric barrier discharge atmospheric plasma. <i>Journal of Hazardous Materials</i> , 2013, 262, 664-673.	12.4	106
3	Antifungal efficiency of corona pretreated polyester and polyamide fabrics loaded with Ag nanoparticles. <i>Journal of Materials Science</i> , 2009, 44, 3983-3990.	3.7	85
4	Chemical Modifications on Human Hair Studied by Means of Contact Angle Determination. <i>Journal of Colloid and Interface Science</i> , 2001, 237, 40-46.	9.4	57
5	Removal of cyanide from water by means of plasma discharge technology. <i>Water Research</i> , 2013, 47, 1701-1707.	11.3	51
6	Effect of low-temperature plasma and chitosan treatment on wool dyeing with Acid Red 27. <i>Journal of Applied Polymer Science</i> , 2005, 97, 2204-2214.	2.6	50
7	In situ chitosan gelation initiated by atmospheric plasma treatment. <i>Carbohydrate Polymers</i> , 2014, 103, 472-479.	10.2	48
8	Role of the Active Species of Plasmas Involved in the Modification of Textile Materials. <i>Plasma Processes and Polymers</i> , 2007, 4, 445-454.	3.0	47
9	Improved Properties of Oxygen and Argon RF Plasma-Activated Polyester Fabrics Loaded with TiO ₂ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1700-1706.	8.0	45
10	Influence of irrigation conditions in the germination of plasma treated Nasturtium seeds. <i>Scientific Reports</i> , 2018, 8, 16442.	3.3	43
11	Shrinkage Properties of Peroxide-Enzyme-Biopolymer Treated Wool. <i>Textile Research Journal</i> , 2001, 71, 948-953.	2.2	40
12	Physicochemical surface analysis and germination at different irrigation conditions of DBD plasma-treated wheat seeds. <i>Plasma Processes and Polymers</i> , 2021, 18, .	3.0	35
13	Decontamination of waterborne chemical pollutants by using atmospheric pressure nonthermal plasma: a review. <i>Environmental Technology Reviews</i> , 2014, 3, 71-91.	4.3	32
14	Hydrophobic Coatings on Cotton Obtained by in Situ Plasma Polymerization of a Fluorinated Monomer in Ethanol Solutions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5513-5521.	8.0	31
15	In Situ Polymerization of Aqueous Solutions of NIPAAm Initiated by Atmospheric Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2013, 10, 506-516.	3.0	24
16	Synthesis of Thermo-Sensitive Hydrogels from Free Radical Copolymerization of NIPAAm with MBA Initiated by Atmospheric Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2016, 13, 752-760.	3.0	20
17	Effects of low temperature plasma on wool and wool/nylon blend dyed fabrics. <i>Fibers and Polymers</i> , 2008, 9, 293-300.	2.1	19
18	Free Radical Formation in Wool Fibers Treated by Low Temperature Plasma. <i>Textile Research Journal</i> , 2003, 73, 955-959.	2.2	18

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19	Polysiloxane Softener Coatings on Plasma-Treated Wool: Study of the Surface Interactions. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 817-824.	3.6	18
20	Study on the influence of scouring on the wettability of keratin fibers before plasma treatment. <i>Fibers and Polymers</i> , 2008, 9, 444-449.	2.1	17
21	UV protective textiles by the deposition of functional ethylcellulose nanoparticles. <i>Cellulose</i> , 2014, 21, 2133-2145.	4.9	16
22	Hydrophilic/oleophobic coatings on cellulosic materials by plasma assisted polymerization in liquid phase and fluorosurfactant complexation. <i>Cellulose</i> , 2014, 21, 729-739.	4.9	16
23	Interfacial Processes in Textile Materials: Relevance to Adhesion. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 7-33.	2.6	14
24	Assessment of a dielectric barrier discharge plasma reactor at atmospheric pressure for the removal of bisphenol A and tributyltin. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1418-1426.	2.2	14
25	Novel properties of PES fabrics modified by corona discharge and colloidal TiO ₂ nanoparticles. <i>Polymers for Advanced Technologies</i> , 2011, 22, 703-709.	3.2	13
26	Wetting properties of polystyrene/divinylbenzene crosslinked porous polymers obtained using W/O highly concentrated emulsions as templates. <i>Surface and Interface Analysis</i> , 2009, 41, 371-377.	1.8	10
27	Effect of liquid impregnation on DBD atmospheric pressure plasma treatment of cotton. <i>Cellulose</i> , 2020, 27, 7847-7859.	4.9	10
28	Comparative analysis of the germination of barley seeds subjected to drying, hydrogen peroxide, or oxidative air plasma treatments. <i>Plasma Processes and Polymers</i> , 2022, 19, .	3.0	4