

# Robert Quintana

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

805  
citations

623188

14  
h-index

500791

28  
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28  
docs citations

28  
times ranked

1262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface charge control for zwitterionic polymer brushes: Tailoring surface properties to antifouling applications. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 43-53.	5.0	125
2	Enhanced Stability of Low Fouling Zwitterionic Polymer Brushes in Seawater with Diblock Architecture. <i>Langmuir</i> , 2013, 29, 10859-10867.	1.6	97
3	Biomimicking Micropatterned Surfaces and Their Effect on Marine Biofouling. <i>Langmuir</i> , 2014, 30, 9165-9175.	1.6	94
4	Phloretic acid as an alternative to the phenolation of aliphatic hydroxyls for the elaboration of polybenzoxazine. <i>Green Chemistry</i> , 2017, 19, 5065-5073.	4.6	64
5	Sulfobetaine-based polymer brushes in marine environment: Is there an effect of the polymerizable group on the antifouling performance?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 118-124.	2.5	59
6	Polyterephthalates made from Ethylene glycol, 1,4-cyclohexanedimethanol, and isosorbide. <i>Journal of Polymer Science Part A</i> , 2011, 49, 2252-2260.	2.5	55
7	Enhancement of cellulose acetate degradation under accelerated weathering by plasticization with eco-friendly plasticizers. <i>Polymer Degradation and Stability</i> , 2013, 98, 1556-1562.	2.7	50
8	Recent advances in (reactive) melt processing of cellulose acetate and related biodegradable bio-compositions. <i>Polymer Chemistry</i> , 2012, 3, 591-595.	1.9	41
9	Reactive compatibilization of poly( $\epsilon$ -lactide)/poly(butylene succinate) blends through polyester maleation: from materials to properties. <i>Polymer International</i> , 2014, 63, 1724-1731.	1.6	26
10	Brush Swelling and Attachment Strength of Barnacle Adhesion Protein on Zwitterionic Polymer Films as a Function of Macromolecular Structure. <i>Langmuir</i> , 2019, 35, 8085-8094.	1.6	23
11	Grafted d/l-lactide to cellulose acetate by reactive melt processing: Its role as CA/PLA blend compatibilizer. <i>European Polymer Journal</i> , 2014, 57, 30-36.	2.6	22
12	Poly(ethylene terephthalate) terpolyesters containing 1,4-cyclohexanedimethanol and isosorbide. <i>High Performance Polymers</i> , 2012, 24, 24-30.	0.8	18
13	Compatibilization of co-plasticized cellulose acetate/water soluble polymers blends by reactive extrusion. <i>Polymer Degradation and Stability</i> , 2016, 126, 31-38.	2.7	18
14	Atmospheric Plasma Deposition of Methacrylate Layers Containing Catechol/Quinone Groups: An Alternative to Polydopamine Bioconjugation for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701059.	3.9	17
15	Anti-biofouling activity of Ranaspumin-2 bio-surfactant immobilized on catechol-functional PMMA thin layers prepared by atmospheric plasma deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 120-128.	2.5	14
16	Poly(ethylene terephthalate- <i>co</i> -isophthalate) copolyesters obtained from ethylene terephthalate and isophthalate oligomers. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1823-1830.	1.3	11
17	Poly(ethylene isophthalate)s: effect of the tert-butyl substituent on structure and properties. <i>Polymer</i> , 2004, 45, 5005-5012.	1.8	9
18	Poly(butylene terephthalate- <i>co</i> -5-tert-butyl isophthalate) copolyesters: Synthesis, characterization, and properties. <i>Journal of Polymer Science Part A</i> , 2005, 43, 92-100.	2.5	9

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19	Rheological Features and Flow-Induced Crystallization of Branched Poly[ethylene-co-(1,4-cyclohexanedimethylene terephthalate)] Copolyesters. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 836-846.	1.7	9
20	Deposition of zwitterionic polymer brushes in a dense gas medium. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 156-162.	5.0	8
21	Insights on the Atmospheric-Pressure Plasma-Induced Free-Radical Polymerization of Allyl Ether Cyclic Carbonate Liquid Layers. <i>Polymers</i> , 2021, 13, 2856.	2.0	7
22	Molecular dynamics of poly(butylene tert-butyl isophthalate) and its copolymers with poly(butylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2018, 141, 4611.	1.8	6
23	Viscoelastic Properties and Sulfur Distribution at the Nanoscale in Binary Elastomeric Blends: Toward Phase-Specific Cross-Link Density Estimations. <i>ACS Applied Polymer Materials</i> , 2021, 3, 3287-3297.	2.0	6
24	Inkjet-Printed Piezoelectric Thin Films for Transparent Haptics. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	5
25	Effect of crosslinker on the wettability and mechanical properties of hydrophobic coatings deposited via atmospheric pressure plasma. <i>Plasma Processes and Polymers</i> , 2022, 19, .	1.6	5
26	Controlled co-immobilization of biomolecules on quinone-bearing plasma polymer films for multifunctional biomaterial surfaces. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000090.	1.6	4
27	Atmospheric pressure plasma liquid assisted deposition of polydopamine/acrylate copolymer on zirconia (Y-TZP) ceramics: a biocompatible and adherent nanofilm. <i>RSC Advances</i> , 2021, 11, 17360-17368.	1.7	2
28	Compact test apparatus for evaluation of flow erosion of marine coatings. <i>Review of Scientific Instruments</i> , 2015, 86, 105115.	0.6	1