Andres de los Santos Pereira

List of Publications by Year
in descending order

30	1,133	361413	454955
papers	citations	20 h-index	30 g-index

31	31	31	1510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functionalized ultra-low fouling carboxy- and hydroxy-functional surface platforms: functionalization capacity, biorecognition capability and resistance to fouling from undiluted biological media. Biosensors and Bioelectronics, 2014, 51, 150-157.	10.1	78
2	Biomimetic non-fouling surfaces: extending the concepts. Journal of Materials Chemistry B, 2013, 1, 2859.	5.8	76
3	Quantifying bacterial adhesion on antifouling polymer brushes via single-cell force spectroscopy. Polymer Chemistry, 2015, 6, 5740-5751.	3.9	70
4	Novel antifouling self-healing poly(carboxybetaine methacrylamide-co-HEMA) nanocomposite hydrogels with superior mechanical properties. Journal of Materials Chemistry B, 2013, 1, 5644.	5.8	69
5	Antifouling Polymer Brushes Displaying Antithrombogenic Surface Properties. Biomacromolecules, 2016, 17, 1179-1185.	5.4	68
6	Diagnosis of Epsteinâ€“Barr virus infection in clinical serum samples by an SPR biosensor assay. Biosensors and Bioelectronics, 2014, 55, 278-284.	10.1	67
7	Polymer Brush-Functionalized Chitosan Hydrogels as Antifouling Implant Coatings. Biomacromolecules, 2017, 18, 1983-1992.	5.4	61
8	Synthesis of non-fouling poly[N-(2-hydroxypropyl)methacrylamide] brushes by photoinduced SET-LRP. Polymer Chemistry, 2015, 6, 4210-4220.	3.9	59
9	Improving Hemocompatibility of Membranes for Extracorporeal Membrane Oxygenators by Grafting Nonthrombogenic Polymer Brushes. Macromolecular Bioscience, 2018, 18, 1700359.	4.1	53
10	Exploiting end group functionalization for the design of antifouling bioactive brushes. Polymer Chemistry, 2014, 5, 4124-4131.	3.9	51
11	Surface Grafting via Photoâ€Induced Copperâ€Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. Macromolecular Rapid Communications, 2015, 36, 1681-1686.	3.9	50
12	Use of pooled blood plasmas in the assessment of fouling resistance. RSC Advances, 2014, 4, 2318-2321.	3.6	48
13	Hierarchical antifouling brushes for biosensing applications. Sensors and Actuators B: Chemical, 2014, 202, 1313-1321.	7.8	44
14	Phototriggered Functionalization of Hierarchically Structured Polymer Brushes. Langmuir, 2015, 31, 5899-5907.	3.5	43
15	Grafting of functional methacrylate polymer brushes by photoinduced SET-LRP. Polymer Chemistry, 2016, 7, 6934-6945.	3.9	34
16	Clickable Antifouling Polymer Brushes for Polymer Pen Lithography. ACS Applied Materials & Interfaces, 2017, 9, 12109-12117.	8.0	33
17	Rapid Thiolâ€Yneâ€Mediated Fabrication and Dual Postfunctionalization of Microâ€Resolved 3D Mesostructures. Advanced Functional Materials, 2015, 25, 3735-3744.	14.9	31
18	Catalyst-free â€œclickâ€•functionalization of polymer brushes preserves antifouling properties enabling detection in blood plasma. Analytica Chimica Acta, 2017, 971, 78-87.	5.4	27

#	Article	IF	Citations
19	â€œClickableâ€•and Antifouling Block Copolymer Brushes as a Versatile Platform for Peptideâ€Specific Cell Attachment. Macromolecular Bioscience, 2020, 20, e1900354.	4.1	27
20	Kill&Repel Coatings: The Marriage of Antifouling and Bactericidal Properties to Mitigate and Treat Wound Infections. Advanced Functional Materials, 2022, 32, 2106656.	14.9	24
21	Polymer Brush Collapse under Shear Flow. Macromolecules, 2017, 50, 1215-1224.	4.8	18
22	Grafting density and antifouling properties of poly[N-(2-hydroxypropyl) methacrylamide] brushes prepared by â€œgrafting toâ€•and â€œgrafting fromâ€• Polymer Chemistry, 2022, 13, 3815-3826.	3.9	17
23	Turning a Killing Mechanism into an Adhesion and Antifouling Advantage. Advanced Materials Interfaces, 2019, 6, 1900847.	3.7	16
24	Conformation in Ultrathin Polymer Brush Coatings Resolved by Infrared Nanoscopy. Analytical Chemistry, 2020, 92, 4716-4720.	6.5	16
25	Catalyst-free site-specific surface modifications of nanocrystalline diamond films via microchannel cantilever spotting. RSC Advances, 2016, 6, 57820-57827.	3.6	14
26	Modulation of Living Cell Behavior with Ultraâ€Low Fouling Polymer Brush Interfaces. Macromolecular Bioscience, 2020, 20, e1900351.	4.1	13
27	Surface Design of Antifouling Vascular Constructs Bearing Biofunctional Peptides for Tissue Regeneration Applications. International Journal of Molecular Sciences, 2020, 21, 6800.	4.1	12
28	Ultrathin Monomolecular Films and Robust Assemblies Based on Cyclic Catechols. Langmuir, 2017, 33, 670-679.	3.5	9
29	Complement Activation Dramatically Accelerates Blood Plasma Fouling On Antifouling Poly(2â€hydroxyethyl methacrylate) Brush Surfaces. Macromolecular Bioscience, 2022, 22, e2100460.	4.1	4
30	Macromol. Rapid Commun. 18/2015. Macromolecular Rapid Communications, 2015, 36, 1696-1696.	3.9	0