

Andres de los Santos Pereira

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,133
citations

361413

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454955

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citing authors

#	ARTICLE	IF	CITATIONS
1	Kill&Repel Coatings: The Marriage of Antifouling and Bactericidal Properties to Mitigate and Treat Wound Infections. <i>Advanced Functional Materials</i> , 2022, 32, 2106656.	14.9	24
2	Complement Activation Dramatically Accelerates Blood Plasma Fouling On Antifouling Poly(2-hydroxyethyl methacrylate) Brush Surfaces. <i>Macromolecular Bioscience</i> , 2022, 22, e2100460.	4.1	4
3	Grafting density and antifouling properties of poly[N-(2-hydroxypropyl) methacrylamide] brushes prepared by "grafting to" and "grafting from". <i>Polymer Chemistry</i> , 2022, 13, 3815-3826.	3.9	17
4	Surface Design of Antifouling Vascular Constructs Bearing Biofunctional Peptides for Tissue Regeneration Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6800.	4.1	12
5	Conformation in Ultrathin Polymer Brush Coatings Resolved by Infrared Nanoscopy. <i>Analytical Chemistry</i> , 2020, 92, 4716-4720.	6.5	16
6	"Clickable" and Antifouling Block Copolymer Brushes as a Versatile Platform for Peptide-Specific Cell Attachment. <i>Macromolecular Bioscience</i> , 2020, 20, e1900354.	4.1	27
7	Modulation of Living Cell Behavior with Ultra-Low Fouling Polymer Brush Interfaces. <i>Macromolecular Bioscience</i> , 2020, 20, e1900351.	4.1	13
8	Turning a Killing Mechanism into an Adhesion and Antifouling Advantage. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900847.	3.7	16
9	Improving Hemocompatibility of Membranes for Extracorporeal Membrane Oxygenators by Grafting Nonthrombogenic Polymer Brushes. <i>Macromolecular Bioscience</i> , 2018, 18, 1700359.	4.1	53
10	Polymer Brush Collapse under Shear Flow. <i>Macromolecules</i> , 2017, 50, 1215-1224.	4.8	18
11	Polymer Brush-Functionalized Chitosan Hydrogels as Antifouling Implant Coatings. <i>Biomacromolecules</i> , 2017, 18, 1983-1992.	5.4	61
12	Catalyst-free "click" functionalization of polymer brushes preserves antifouling properties enabling detection in blood plasma. <i>Analytica Chimica Acta</i> , 2017, 971, 78-87.	5.4	27
13	Clickable Antifouling Polymer Brushes for Polymer Pen Lithography. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12109-12117.	8.0	33
14	Ultrathin Monomolecular Films and Robust Assemblies Based on Cyclic Catechols. <i>Langmuir</i> , 2017, 33, 670-679.	3.5	9
15	Grafting of functional methacrylate polymer brushes by photoinduced SET-LRP. <i>Polymer Chemistry</i> , 2016, 7, 6934-6945.	3.9	34
16	Catalyst-free site-specific surface modifications of nanocrystalline diamond films via microchannel cantilever spotting. <i>RSC Advances</i> , 2016, 6, 57820-57827.	3.6	14
17	Antifouling Polymer Brushes Displaying Antithrombogenic Surface Properties. <i>Biomacromolecules</i> , 2016, 17, 1179-1185.	5.4	68
18	Rapid Thiol-Mediated Fabrication and Dual Postfunctionalization of Micro-Resolved 3D Mesostructures. <i>Advanced Functional Materials</i> , 2015, 25, 3735-3744.	14.9	31

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19	Macromol. Rapid Commun. 18/2015. Macromolecular Rapid Communications, 2015, 36, 1696-1696.	3.9	0
20	Surface Grafting via Photoinduced Copper-Mediated Radical Polymerization at Extremely Low Catalyst Concentrations. Macromolecular Rapid Communications, 2015, 36, 1681-1686.	3.9	50
21	Phototriggered Functionalization of Hierarchically Structured Polymer Brushes. Langmuir, 2015, 31, 5899-5907.	3.5	43
22	Synthesis of non-fouling poly[N-(2-hydroxypropyl)methacrylamide] brushes by photoinduced SET-LRP. Polymer Chemistry, 2015, 6, 4210-4220.	3.9	59
23	Quantifying bacterial adhesion on antifouling polymer brushes <i>via</i> single-cell force spectroscopy. Polymer Chemistry, 2015, 6, 5740-5751.	3.9	70
24	Use of pooled blood plasmas in the assessment of fouling resistance. RSC Advances, 2014, 4, 2318-2321.	3.6	48
25	Diagnosis of Epstein-Barr virus infection in clinical serum samples by an SPR biosensor assay. Biosensors and Bioelectronics, 2014, 55, 278-284.	10.1	67
26	Exploiting end group functionalization for the design of antifouling bioactive brushes. Polymer Chemistry, 2014, 5, 4124-4131.	3.9	51
27	Hierarchical antifouling brushes for biosensing applications. Sensors and Actuators B: Chemical, 2014, 202, 1313-1321.	7.8	44
28	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
29	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
30	Biomimetic non-fouling surfaces: extending the concepts. Journal of Materials Chemistry B, 2013, 1, 2859.	5.8	76