Amparo M Gallardo-Moreno

List of Publications by Year
in descending order

60 papers	1,284 citations	331670 21 h-index	395702 33 g-index
60 all docs	60 docs citations	60 times ranked	1702 citing authors

#	Article	IF	Citations
1	Micro-structured and self-assembled patterns in PLA-cast films as a function of CTAB content, magnesium and substratum hydrophobicity. Applied Surface Science, 2022, 597, 153676.	6.1	5
2	From radial to unidirectional water pumping in zeta-potential modulated Nafion nanostructures. Nature Communications, 2022, 13, 2812.	12.8	12
3	3D-PLA-experimental set up to display the electrical background of the so-called geometric factor of electrokinetic cells. Physical Chemistry Chemical Physics, 2021, 23, 14477-14485.	2.8	2
4	Effect of plasma treatment on the surface properties of polylactic acid films. Polymer Testing, 2021, 96, 107097.	4.8	59
5	Characterization of Magnesium-Polylactic Acid Films Casted on Different Substrates and Doped with Diverse Amounts of CTAB. Molecules, 2021, 26, 4811.	3.8	5
6	Modification of physico-chemical surface properties and growth of Staphylococcus aureus under hyperglycemia and ketoacidosis conditions. Colloids and Surfaces B: Biointerfaces, 2021, 209, 112137.	5.0	5
7	Influence of Solvent and Substrate on Hydrophobicity of PLA Films. Polymers, 2021, 13, 4289.	4.5	10
8	Surface Characterisation of Human Serum Albumin Layers on Activated Ti6Al4V. Materials, 2021, 14, 7416.	2.9	5
9	Chemical composition of explanted deteriorated nephrostomy polyurethane-catheters through X-ray photoelectron spectroscopy. Materials Chemistry and Physics, 2020, 239, 121979.	4.0	2
10	Impact of PLA/Mg films degradation on surface physical properties and biofilm survival. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110617.	5.0	18
11	The role of magnesium in biomaterials related infections. Colloids and Surfaces B: Biointerfaces, 2020, 191, 110996.	5.0	36
12	Aging of Solvent-Casting PLA-Mg Hydrophobic Films: Impact on Bacterial Adhesion and Viability. Coatings, 2019, 9, 814.	2.6	15
13	Kinetic of Adhesion ofS. epidermidiswith Different EPS Production on Ti6Al4V Surfaces. BioMed Research International, 2019, 2019, 1-8.	1.9	4
14	Force spectroscopy-based simultaneous topographical and mechanical characterization to study polymer-to-polymer interactions in coated alginate microspheres. Scientific Reports, 2019, 9, 20112.	3.3	9
15	Quantification of Electronic Activity Inside Photo-Activated TiO2ÂLayers through a New Electrical Model Supported by Electrokinetic Data. Journal of the Electrochemical Society, 2019, 166, H871-H876.	2.9	1
16	In vivo bactericidal efficacy of the Ti6Al4V surface after ultraviolet C treatment. Journal of Orthopaedics and Traumatology, 2017, 18, 59-67.	2.3	4
17	Antibacterial effect of novel biodegradable and bioresorbable PLDA/Mg composites. Biomedical Materials (Bristol), 2017, 12, 015025.	3.3	13
18	Incorporation of Mg particles into PDLLA regulates mesenchymal stem cell and macrophage responses. Journal of Biomedical Materials Research - Part A, 2016, 104, 866-878.	4.0	50

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19	Adsorption of human fibrinogen and albumin onto hydrophobic and hydrophilic Ti6Al4V powder. Applied Surface Science, 2016, 376, 269-275.	6.1	12
20	BSA adsorption onto nanospheres: Influence of surface curvature as probed by electrophoretic light scattering and UV/vis spectroscopy. Applied Surface Science, 2015, 353, 1095-1102.	6.1	5
21	XPS Analysis of Ti6Al4V Oxidation Under UHV Conditions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 6285-6290.	2.2	29
22	Decrease of Staphylococcal adhesion on surgical stainless steel after Si ion implantation. Applied Surface Science, 2014, 310, 36-41.	6.1	15
23	Electrochemical analysis of the UV treated bactericidal Ti6Al4V surfaces. Materials Science and Engineering C, 2013, 33, 1789-1794.	7.3	17
24	Adsorption behavior of human plasma fibronectin on hydrophobic and hydrophilic Ti6Al4V substrata and its influence on bacterial adhesion and detachment. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1397-1404.	4.0	20
25	Surface-Dependent Mechanical Stability of Adsorbed Human Plasma Fibronectin on Ti6Al4V: Domain Unfolding and Stepwise Unraveling of Single Compact Molecules. Langmuir, 2013, 29, 8554-8560.	3.5	10
26	The zeta potential of extended dielectrics and conductors in terms of streaming potential and streaming current measurements. Physical Chemistry Chemical Physics, 2012, 14, 9758.	2.8	31
27	Bacterial adhesion reduction on a biocompatible Si+ ion implanted austenitic stainless steel. Materials Science and Engineering C, 2011, 31, 1567-1576.	7.3	15
28	Insights into bacterial contact angles: Difficulties in defining hydrophobicity and surface Gibbs energy. Colloids and Surfaces B: Biointerfaces, 2011, 88, 373-380.	5.0	29
29	Direct adhesion force measurements between E. coli and human uroepithelial cells in cranberry juice cocktail. Molecular Nutrition and Food Research, 2010, 54, 1744-1752.	3.3	45
30	Bactericidal behaviour of Ti6Al4V surfaces after exposure to UV-C light. Biomaterials, 2010, 31, 5159-5168.	11.4	63
31	In vitro biocompatibility and bacterial adhesion of physico-chemically modified Ti6Al4V surface by means of UV irradiation. Acta Biomaterialia, 2009, 5, 181-192.	8.3	131
32	Influence of slight microstructural gradients on the surface properties of Ti6Al4V irradiated by UV. Applied Surface Science, 2009, 255, 9105-9111.	6.1	4
33	Cranberry changes the physicochemical surface properties of E. coli and adhesion with uroepithelial cells. Colloids and Surfaces B: Biointerfaces, 2008, 65, 35-42.	5.0	70
34	Effect of UV irradiation on the surface Gibbs energy of Ti6Al4V and thermally oxidized Ti6Al4V. Journal of Colloid and Interface Science, 2008, 320, 117-124.	9.4	25
35	AFM probing in aqueous environment of Staphylococcus epidermidis cells naturally immobilised on glass: Physico-chemistry behind the successful immobilisation. Colloids and Surfaces B: Biointerfaces, 2008, 63, 101-109.	5.0	21
36	Per-6-O-(tert-butyldimethylsilyl)cyclodextrins (TBDMS-CDs) in Langmuir Monolayers:â€‰ The Importance of a Spreading Solvent in the Preparation of LB Layers Suitable for Sensor Application. Journal of Physical Chemistry B, 2008, 112, 4620-4628.	2.6	4

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37	Atomic Force Microscopy of Mechanically Trapped Bacterial Cells. Microscopy and Microanalysis, 2007, 13, 55-64.	0.4	31
38	Zeta Potential Aspects of Dispersed Solvents Involved in the Determination of Microbial Cell Surface Hydrophobicity. Journal of Dispersion Science and Technology, 2006, 27, 23-32.	2.4	5
39	Nano-mechanical exploration of the surface and sub-surface of hydrated cells of Staphylococcus epidermidis. Antonie Van Leeuwenhoek, 2006, 89, 373-386.	1.7	17
40	Ultrastructural and physico-chemical heterogeneities of yeast surfaces revealed by mapping lateral-friction and normal-adhesion forces using an atomic force microscope. Antonie Van Leeuwenhoek, 2006, 89, 495-509.	1.7	10
41	Adsorption enthalpies of sodium dodecyl sulphate onto carbon blacks in the low concentration range. Carbon, 2005, 43, 567-572.	10.3	25
42	The measurement temperature: an important factor relating physicochemical and adhesive properties of yeast cells to biomaterials. Journal of Colloid and Interface Science, 2004, 271, 351-358.	9.4	42
43	Ionic surfactant adsorption onto activated carbons. Journal of Colloid and Interface Science, 2004, 278, 257-264.	9.4	42
44	Surface characterisation of two strains of Staphylococcus epidermidis with different slime-production by AFM. Applied Surface Science, 2004, 238, 18-23.	6.1	16
45	Arrangement of SDS adsorbed layer on carbonaceous particles by zeta potential determinations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 57-62.	4.7	29
46	The adhesion strength of Candida parapsilosis to glass and silicone as a function of hydrophobicity, roughness and cell morphology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 99-103.	4.7	36
47	Changes on the physico-chemical surface properties and adhesion behaviour of Enterococcus faecalis by the addition of serum or urine to the growth medium. Physical Chemistry Chemical Physics, 2004, 6, 1512-1517.	2.8	4
48	Analysis of the hydrophobic behaviour of different strains of Candida parapsilosis under two growth temperatures. Colloids and Surfaces B: Biointerfaces, 2003, 28, 119-126.	5.0	13
49	Influence of the growth medium, suspending liquid and measurement temperature on the physico-chemical surface properties of two enterococci strains. Journal of Adhesion Science and Technology, 2003, 17, 1877-1887.	2.6	21
50	The effects of urine and temperature on the physicochemical surface properties and adhesion behaviour of uropathogenic bacteria. Journal of Adhesion Science and Technology, 2003, 17, 1223-1233.	2.6	3
51	Thermodynamic Analysis of Growth Temperature Dependence in the Adhesion of Candida parapsilosis to Polystyrene. Applied and Environmental Microbiology, 2002, 68, 2610-2613.	3.1	51
52	Serum as a Factor Influencing Adhesion of Enterococcus faecalis to Glass and Silicone. Applied and Environmental Microbiology, 2002, 68, 5784-5787.	3.1	37
53	REMOVAL OF AN IONIC SURFACTANT FROM WASTEWATER BY CARBON BLACKS ADSORPTION. Separation Science and Technology, 2002, 37, 2823-2837.	2.5	19
54	Temperature influence on the physicochemical surface properties and adhesion behaviour of Enterococcus faecalis to glass and silicone. Journal of Adhesion Science and Technology, 2002, 16, 1215-1223.	2.6	6

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55	Comparative Study of the Hydrophobicity ofCandidaparapsilosis294 through Macroscopic and Microscopic Analysis. Langmuir, 2002, 18, 3639-3644.	3.5	15
56	Free Energy of Interaction of Sodium Dodecyl Sulfate in Aqueous Solution with Carbon Black Surfaces. Journal of Colloid and Interface Science, 2002, 248, 13-18.	9.4	13
57	The influence of subinhibitory concentrations of ampicillin and vancomycin on physico-chemical surface characteristics of Enterococcus faecalis 1131. Colloids and Surfaces B: Biointerfaces, 2002, 24, 285-295.	5.0	12
58	Surface morphological characterization of yeast cells by scanning force microscopy. Surface and Interface Analysis, 2001, 31, 1027-1030.	1.8	15
59	Adhesion ofEnterococcus faecalis1131 grown under subinhibitory concentrations of ampicillin and vancomycin to a hydrophilic and a hydrophobic substratum. FEMS Microbiology Letters, 2001, 203, 75-79.	1.8	20
60	Adhesion of Enterococcus faecalis 1131 grown under subinhibitory concentrations of ampicillin and vancomycin to a hydrophilic and a hydrophobic substratum. FEMS Microbiology Letters, 2001, 203, 75-79.	1.8	1