

Amparo M Gallardo-Moreno

List of Publications by Year in descending order

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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	In vitro biocompatibility and bacterial adhesion of physico-chemically modified Ti6Al4V surface by means of UV irradiation. <i>Acta Biomaterialia</i> , 2009, 5, 181-192.	8.3	131
2	Cranberry changes the physicochemical surface properties of <i>E. coli</i> and adhesion with uroepithelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 35-42.	5.0	70
3	Bactericidal behaviour of Ti6Al4V surfaces after exposure to UV-C light. <i>Biomaterials</i> , 2010, 31, 5159-5168.	11.4	63
4	Effect of plasma treatment on the surface properties of polylactic acid films. <i>Polymer Testing</i> , 2021, 96, 107097.	4.8	59
5	Thermodynamic Analysis of Growth Temperature Dependence in the Adhesion of <i>Candida parapsilosis</i> to Polystyrene. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2610-2613.	3.1	51
6	Incorporation of Mg particles into PDLLA regulates mesenchymal stem cell and macrophage responses. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 866-878.	4.0	50
7	Direct adhesion force measurements between <i>E. coli</i> and human uroepithelial cells in cranberry juice cocktail. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 1744-1752.	3.3	45
8	The measurement temperature: an important factor relating physicochemical and adhesive properties of yeast cells to biomaterials. <i>Journal of Colloid and Interface Science</i> , 2004, 271, 351-358.	9.4	42
9	Ionic surfactant adsorption onto activated carbons. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 257-264.	9.4	42
10	Serum as a Factor Influencing Adhesion of <i>Enterococcus faecalis</i> to Glass and Silicone. <i>Applied and Environmental Microbiology</i> , 2002, 68, 5784-5787.	3.1	37
11	The adhesion strength of <i>Candida parapsilosis</i> to glass and silicone as a function of hydrophobicity, roughness and cell morphology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 99-103.	4.7	36
12	The role of magnesium in biomaterials related infections. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 110996.	5.0	36
13	Atomic Force Microscopy of Mechanically Trapped Bacterial Cells. <i>Microscopy and Microanalysis</i> , 2007, 13, 55-64.	0.4	31
14	The zeta potential of extended dielectrics and conductors in terms of streaming potential and streaming current measurements. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9758.	2.8	31
15	Arrangement of SDS adsorbed layer on carbonaceous particles by zeta potential determinations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 249, 57-62.	4.7	29
16	Insights into bacterial contact angles: Difficulties in defining hydrophobicity and surface Gibbs energy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 373-380.	5.0	29
17	XPS Analysis of Ti6Al4V Oxidation Under UHV Conditions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 6285-6290.	2.2	29
18	Adsorption enthalpies of sodium dodecyl sulphate onto carbon blacks in the low concentration range. <i>Carbon</i> , 2005, 43, 567-572.	10.3	25

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19	Effect of UV irradiation on the surface Gibbs energy of Ti6Al4V and thermally oxidized Ti6Al4V. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 117-124.	9.4	25
20	Influence of the growth medium, suspending liquid and measurement temperature on the physico-chemical surface properties of two enterococci strains. <i>Journal of Adhesion Science and Technology</i> , 2003, 17, 1877-1887.	2.6	21
21	AFM probing in aqueous environment of <i>Staphylococcus epidermidis</i> cells naturally immobilised on glass: Physico-chemistry behind the successful immobilisation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 63, 101-109.	5.0	21
22	Adhesion of <i>Enterococcus faecalis</i> 1131 grown under subinhibitory concentrations of ampicillin and vancomycin to a hydrophilic and a hydrophobic substratum. <i>FEMS Microbiology Letters</i> , 2001, 203, 75-79.	1.8	20
23	Adsorption behavior of human plasma fibronectin on hydrophobic and hydrophilic Ti6Al4V substrata and its influence on bacterial adhesion and detachment. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1397-1404.	4.0	20
24	REMOVAL OF AN IONIC SURFACTANT FROM WASTEWATER BY CARBON BLACKS ADSORPTION. <i>Separation Science and Technology</i> , 2002, 37, 2823-2837.	2.5	19
25	Impact of PLA/Mg films degradation on surface physical properties and biofilm survival. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110617.	5.0	18
26	Nano-mechanical exploration of the surface and sub-surface of hydrated cells of <i>Staphylococcus epidermidis</i> . <i>Antonie Van Leeuwenhoek</i> , 2006, 89, 373-386.	1.7	17
27	Electrochemical analysis of the UV treated bactericidal Ti6Al4V surfaces. <i>Materials Science and Engineering C</i> , 2013, 33, 1789-1794.	7.3	17
28	Surface characterisation of two strains of <i>Staphylococcus epidermidis</i> with different slime-production by AFM. <i>Applied Surface Science</i> , 2004, 238, 18-23.	6.1	16
29	Surface morphological characterization of yeast cells by scanning force microscopy. <i>Surface and Interface Analysis</i> , 2001, 31, 1027-1030.	1.8	15
30	Comparative Study of the Hydrophobicity of <i>Candida parapsilosis</i> 294 through Macroscopic and Microscopic Analysis. <i>Langmuir</i> , 2002, 18, 3639-3644.	3.5	15
31	Bacterial adhesion reduction on a biocompatible Si ⁺ ion implanted austenitic stainless steel. <i>Materials Science and Engineering C</i> , 2011, 31, 1567-1576.	7.3	15
32	Decrease of <i>Staphylococcal</i> adhesion on surgical stainless steel after Si ion implantation. <i>Applied Surface Science</i> , 2014, 310, 36-41.	6.1	15
33	Aging of Solvent-Casting PLA-Mg Hydrophobic Films: Impact on Bacterial Adhesion and Viability. <i>Coatings</i> , 2019, 9, 814.	2.6	15
34	Free Energy of Interaction of Sodium Dodecyl Sulfate in Aqueous Solution with Carbon Black Surfaces. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 13-18.	9.4	13
35	Analysis of the hydrophobic behaviour of different strains of <i>Candida parapsilosis</i> under two growth temperatures. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 28, 119-126.	5.0	13
36	Antibacterial effect of novel biodegradable and bioresorbable PLDA/Mg composites. <i>Biomedical Materials (Bristol)</i> , 2017, 12, 015025.	3.3	13

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37	The influence of subinhibitory concentrations of ampicillin and vancomycin on physico-chemical surface characteristics of <i>Enterococcus faecalis</i> 1131. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 24, 285-295.	5.0	12
38	Adsorption of human fibrinogen and albumin onto hydrophobic and hydrophilic Ti6Al4V powder. <i>Applied Surface Science</i> , 2016, 376, 269-275.	6.1	12
39	From radial to unidirectional water pumping in zeta-potential modulated Nafion nanostructures. <i>Nature Communications</i> , 2022, 13, 2812.	12.8	12
40	Ultrastructural and physico-chemical heterogeneities of yeast surfaces revealed by mapping lateral-friction and normal-adhesion forces using an atomic force microscope. <i>Antonie Van Leeuwenhoek</i> , 2006, 89, 495-509.	1.7	10
41	Surface-Dependent Mechanical Stability of Adsorbed Human Plasma Fibronectin on Ti6Al4V: Domain Unfolding and Stepwise Unraveling of Single Compact Molecules. <i>Langmuir</i> , 2013, 29, 8554-8560.	3.5	10
42	Influence of Solvent and Substrate on Hydrophobicity of PLA Films. <i>Polymers</i> , 2021, 13, 4289.	4.5	10
43	Force spectroscopy-based simultaneous topographical and mechanical characterization to study polymer-to-polymer interactions in coated alginate microspheres. <i>Scientific Reports</i> , 2019, 9, 20112.	3.3	9
44	Temperature influence on the physicochemical surface properties and adhesion behaviour of <i>Enterococcus faecalis</i> to glass and silicone. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 1215-1223.	2.6	6
45	Zeta Potential Aspects of Dispersed Solvents Involved in the Determination of Microbial Cell Surface Hydrophobicity. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 23-32.	2.4	5
46	BSA adsorption onto nanospheres: Influence of surface curvature as probed by electrophoretic light scattering and UV/vis spectroscopy. <i>Applied Surface Science</i> , 2015, 353, 1095-1102.	6.1	5
47	Characterization of Magnesium-Polylactic Acid Films Casted on Different Substrates and Doped with Diverse Amounts of CTAB. <i>Molecules</i> , 2021, 26, 4811.	3.8	5
48	Modification of physico-chemical surface properties and growth of <i>Staphylococcus aureus</i> under hyperglycemia and ketoacidosis conditions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 209, 112137.	5.0	5
49	Surface Characterisation of Human Serum Albumin Layers on Activated Ti6Al4V. <i>Materials</i> , 2021, 14, 7416.	2.9	5
50	Micro-structured and self-assembled patterns in PLA-cast films as a function of CTAB content, magnesium and substratum hydrophobicity. <i>Applied Surface Science</i> , 2022, 597, 153676.	6.1	5
51	Changes on the physico-chemical surface properties and adhesion behaviour of <i>Enterococcus faecalis</i> by the addition of serum or urine to the growth medium. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1512-1517.	2.8	4
52	Per-6-O-(tert-butyldimethylsilyl)cyclodextrins (TBDMS-CDs) in Langmuir Monolayers: The Importance of a Spreading Solvent in the Preparation of LB Layers Suitable for Sensor Application. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4620-4628.	2.6	4
53	Influence of slight microstructural gradients on the surface properties of Ti6Al4V irradiated by UV. <i>Applied Surface Science</i> , 2009, 255, 9105-9111.	6.1	4
54	In vivo bactericidal efficacy of the Ti6Al4V surface after ultraviolet C treatment. <i>Journal of Orthopaedics and Traumatology</i> , 2017, 18, 59-67.	2.3	4

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55	Kinetic of Adhesion of <i>S. epidermidis</i> with Different EPS Production on Ti6Al4V Surfaces. BioMed Research International, 2019, 2019, 1-8.	1.9	4
56	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
57	Chemical composition of explanted deteriorated nephrostomy polyurethane-catheters through X-ray photoelectron spectroscopy. Materials Chemistry and Physics, 2020, 239, 121979.	4.0	2
58	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
59	Quantification of Electronic Activity Inside Photo-Activated TiO ₂ Layers through a New Electrical Model Supported by Electrokinetic Data. Journal of the Electrochemical Society, 2019, 166, H871-H876.	2.9	1
60	Adhesion of <i>Enterococcus faecalis</i> 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