Arnaud Ponche

List of Publications by Year
in descending order

52	2,516	318942	223390
papers	citations	23 h-index	49 g-index

53	53	53	4924
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-Assembled Monolayers with a Controlled Density of Hydroxyl Groups: A Relevant Model to Investigate the Adhesion Properties of Epoxy Adhesives. Journal of Physical Chemistry C, 2022, 126, 3227-3234.	1.5	2
2	Experimental and numerical investigation of specific behaviour of fluoride ions during filtration of pure salt water solutions with titania membrane. Desalination, 2022, 537, 115870.	4.0	0
3	Study of the relationship between applied transmembrane pressure and antimicrobial activity of lysozyme. Scientific Reports, 2021, 11, 12086.	1.6	4
4	Size-Dependent Internalization Efficiency of Macrophages from Adsorbed Nanoparticle-Based Monolayers. Nanomaterials, 2021, 11, 1963.	1.9	24
5	Surface Texturization of Breast Implants Impacts Extracellular Matrix and Inflammatory Gene Expression in Asymptomatic Capsules. Plastic and Reconstructive Surgery, 2020, 145, 542e-551e.	0.7	4
6	In Vitro Degradation of Electrospun Poly(Lactic-Co-Glycolic Acid) (PLGA) for Oral Mucosa Regeneration. Polymers, 2020, 12, 1853.	2.0	23
7	Filtration of protein-based solutions with ceramic ultrafiltration membrane. Study of selectivity, adsorption, and protein denaturation. Comptes Rendus Chimie, 2019, 22, 198-205.	0.2	12
8	Filtration of Uncharged Solutes: An Assessment of Steric Effect by Transport and Adsorption Modelling. Water (Switzerland), 2019, 11, 2173.	1.2	8
9	Influence of multiscale and curved structures on the migration of stem cells. Biointerphases, 2018, 13, 06D408.	0.6	7
10	Curvotaxis directs cell migration through cell-scale curvature landscapes. Nature Communications, 2018, 9, 3995.	5.8	190
11	Oxidative photopolymerization of thiol-terminated polysulfide resins. Application in antibacterial coatings. Progress in Organic Coatings, 2018, 121, 80-88.	1.9	11
12	Deep-UV photoinduced chemical patterning at the micro- and nanoscale for directed self-assembly. Scientific Reports, 2018, 8, 10444.	1.6	11
13	Synergistic effects of BMP-2, BMP-6 or BMP-7 with human plasma fibronectin onto hydroxyapatite coatings: A comparative study. Acta Biomaterialia, 2017, 55, 481-492.	4.1	39
14	Study of the antimicrobial and antifouling properties of different oxide surfaces. Environmental Science and Pollution Research, 2017, 24, 9847-9858.	2.7	9
15	Stepâ€growth thiolâ€“thiol photopolymerization as radiation curing technology. Journal of Polymer Science Part A, 2017, 55, 117-128.	2.5	17
16	Photoinduced Crossâ€Linking of Dynamic Poly(disulfide) Films via Thiol Oxidative Coupling. Macromolecular Rapid Communications, 2016, 37, 155-160.	2.0	19
17	Surface composition XPS analysis of a plasma treated polystyrene: Evolution over long storage periods. Colloids and Surfaces B: Biointerfaces, 2016, 145, 1-7.	2.5	52
18	High-performance liquid chromatography as a technique to determine protein adsorption onto hydrophilic/hydrophobic surfaces. International Journal of Pharmaceutics, 2016, 497, 54-61.	2.6	8

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19	In vitro and in vivo characterization of antibacterial activity and biocompatibility: A study on silver-containing phosphonate monolayers on titanium. Acta Biomaterialia, 2015, 15, 266-277.	4.1	58
20	Protein covalent immobilization via its scarce thiol versus abundant amine groups: Effect on orientation, cell binding domain exposure and conformational lability. Colloids and Surfaces B: Biointerfaces, 2015, 134, 73-80.	2.5	21
21	Deep ultraviolet laser direct write for patterning sol-gel InGaZnO semiconducting micro/nanowires and improving field-effect mobility. Scientific Reports, 2015, 5, 10490.	1.6	42
22	Impact of Chemical Heterogeneities of Surfaces on Colonization by Bacteria. ACS Biomaterials Science and Engineering, 2015, 1, 693-704.	2.6	8
23	Nanosized Films Based on Multicharged Small Molecules and Oppositely Charged Polyelectrolytes Obtained by Simultaneous Spray Coating of Interacting Species. Langmuir, 2013, 29, 14536-14544.	1.6	6
24	Self-Assembled Molecular Platforms for Bacteria/Material Biointerface Studies: Importance to Control Functional Group Accessibility. ACS Applied Materials & Interfaces, 2013, 5, 10478-10488.	4.0	16
25	Biomimetic evaluation of Î² tricalcium phosphate prepared by hot isostatic pressing. Biomatter, 2012, 2, 103-113.	2.6	9
26	Characterization of Carbon Surface Chemistry by Combined Temperature Programmed Desorption with in Situ X-ray Photoelectron Spectrometry and Temperature Programmed Desorption with Mass Spectrometry Analysis. Analytical Chemistry, 2012, 84, 2147-2153.	3.2	96
27	Dopamineâ^'Melanin Film Deposition Depends on the Used Oxidant and Buffer Solution. Langmuir, 2011, 27, 2819-2825.	1.6	478
28	Necessity of a Thorough Characterization of Functionalized Silicon Wafers before Biointerface Studies. Journal of Physical Chemistry C, 2011, 115, 11102-11111.	1.5	30
29	Simultaneous Spray Coating of Interacting Species: General Rules Governing the Poly(styrene) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.6	26
30	Electrochemically Triggered Assembly of Films: A Oneâ€Pot Morphogenâ€Driven Buildup. Angewandte Chemie - International Edition, 2011, 50, 4374-4377.	7.2	54
31	Polymer Multilayer Films Obtained by Electrochemically Catalyzed Click Chemistry. Langmuir, 2010, 26, 2816-2824.	1.6	73
32	Statistical approach of chemistry and topography effect on human osteoblast adhesion. Journal of Biomedical Materials Research - Part A, 2010, 94A, 1111-1123.	2.1	3
33	Surface transformation of silicon-doped hydroxyapatite immersed in culture medium under dynamic and static conditions. Colloids and Surfaces B: Biointerfaces, 2010, 75, 349-355.	2.5	26
34	Direct ArF laser photopatterning of metal oxide nanostructures prepared by the solâ€“gel route. Nanotechnology, 2010, 21, 065303.	1.3	23
35	Protein/Material Interfaces: Investigation on Model Surfaces. Journal of Adhesion Science and Technology, 2010, 24, 2141-2164.	1.4	14
36	Bacteria/Material Interfaces: Role of the Material and Cell Wall Properties. Journal of Adhesion Science and Technology, 2010, 24, 2165-2201.	1.4	112

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37	Cell/Material Interfaces: Influence of Surface Chemistry and Surface Topography on Cell Adhesion. Journal of Adhesion Science and Technology, 2010, 24, 831-852.	1.4	226
38	Opposite Responses of Cells and Bacteria to Micro/Nanopatterned Surfaces Prepared by Pulsed Plasma Polymerization and UV-Irradiation. Langmuir, 2009, 25, 8161-8169.	1.6	81
39	Surface modification of polymer using AC-pulsed plasma. Surface and Coatings Technology, 2009, 203, 1573-1579.	2.2	4
40	DUV-induced micro and nanopatterning of polymer plasma deposited films. Microelectronic Engineering, 2009, 86, 718-721.	1.1	3
41	Atom transfer radical polymerization of styrene from different poly(ethylene terephthalate) surfaces: Films, fibers and fabrics. European Polymer Journal, 2009, 45, 246-255.	2.6	38
42	Characterization of Dopamineâ˜'Melanin Growth on Silicon Oxide. Journal of Physical Chemistry C, 2009, 113, 8234-8242.	1.5	322
43	Phosphonate monolayers functionalized by silver thiolate species as antibacterial nanocoatings on titanium and stainless steel. Journal of Materials Chemistry, 2009, 19, 141-149.	6.7	72
44	Plasma Polymer Thin Films with Controlled Topography and Chemistry at the Nanoscale. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 249-251.	0.1	2
45	Direct measurement of the nitrogen content by XPS in selfâ€passivated TaN_x thin films. Surface and Interface Analysis, 2008, 40, 1430-1437.	0.8	44
46	Oligonucleotide Nanostructured Surfaces: Effect on Escherichia coli Curli Expression. Macromolecular Bioscience, 2008, 8, 1161-1172.	2.1	23
47	Nanopatterning of plasma polymer reactive surfaces by DUV interferometry. Nanotechnology, 2008, 19, 395304.	1.3	23
48	Strengthening the Junction Between EPDM and Aluminium Substrate via Plasma Polymerisation. Journal of Adhesion, 2007, 83, 875-895.	1.8	22
49	Changes in Silicon Elastomeric Surface Properties under Stretching Induced by Three Surface Treatments. Langmuir, 2007, 23, 13136-13145.	1.6	30
50	On instabilities and migration phenomena in cone and plate geometry. Journal of Non-Newtonian Fluid Mechanics, 2005, 127, 123-129.	1.0	15
51	A chemometric investigation of the effect of the process parameters during maleic anhydride pulsed plasma polymerization. Analytica Chimica Acta, 2005, 539, 289-299.	2.6	52
52	Effect of several sterilisation techniques on homogeneous self assembled monolayers. Colloids and Surfaces B: Biointerfaces, 2005, 44, 15-24.	2.5	18