

Francois Rossi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209
papers

6,727
citations

47
h-index

70
g-index

214
ext. papers

7,277
ext. citations

4.7
avg, IF

5.47
L-index

#	Paper	IF	Citations
209	Novel Fabrication Routes of Metallic Micromembranes for In Situ Mechanical Testing. <i>Metals</i> , 2022 , 12, 468	2.3	
208	Synthesis of Citrate-Stabilized Silver Nanoparticles Modified by Thermal and pH Preconditioned Tannic Acid. <i>Nanomaterials</i> , 2020 , 10,	5.4	15
207	A methodology to investigate heterogeneous oxidation of thermally aged cross-linked polyethylene by ToF-SIMS. <i>Surface and Interface Analysis</i> , 2020 , 52, 1178-1184	1.5	2
206	Direct quantification of nanoparticle surface hydrophobicity. <i>Communications Chemistry</i> , 2018 , 1,	6.3	28
205	Rational design of multi-functional gold nanoparticles with controlled biomolecule adsorption: a multi-method approach for in-depth characterization. <i>Nanoscale</i> , 2018 , 10, 10173-10181	7.7	11
204	pH-sensitive niosomes: Effects on cytotoxicity and on inflammation and pain in murine models. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017 , 32, 538-546	5.6	24
203	Nano-mechanical in-process monitoring of antimicrobial poration in model phospholipid bilayers. <i>RSC Advances</i> , 2017 , 7, 19081-19084	3.7	1
202	Neural Stem Cell Fate Control on Micropatterned Substrates. <i>Neuromethods</i> , 2017 , 19-44	0.4	2
201	Analytical ultracentrifugation for analysis of doxorubicin loaded liposomes. <i>International Journal of Pharmaceutics</i> , 2017 , 523, 320-326	6.5	36
200	Modulating charge-dependent and folding-mediated antimicrobial interactions at peptide-lipid interfaces. <i>European Biophysics Journal</i> , 2017 , 46, 375-382	1.9	2
199	Bioinspired Rose-Petal-Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. <i>ChemPlusChem</i> , 2017 , 82, 352-357	2.8	6
198	Biofouling Properties of Nitroxide-Modified Amorphous Carbon Surfaces. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1976-1982	5.5	2
197	Highly Flexible Platform for Tuning Surface Properties of Silica Nanoparticles and Monitoring Their Biological Interaction. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4838-50	9.5	22
196	Role of the crystalline form of titanium dioxide nanoparticles: Rutile, and not anatase, induces toxic effects in Balb/3T3 mouse fibroblasts. <i>Toxicology in Vitro</i> , 2016 , 31, 137-45	3.6	73
195	Review of achievements of the OECD Working Party on Manufactured Nanomaterials' Testing and Assessment Programme. From exploratory testing to test guidelines. <i>Regulatory Toxicology and Pharmacology</i> , 2016 , 74, 147-60	3.4	93
194	Quantification of the cellular dose and characterization of nanoparticle transport during in vitro testing. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 47	8.4	21
193	Surface Analysis of Gold Nanoparticles Functionalized with Thiol-Modified Glucose SAMs for Biosensor Applications. <i>Frontiers in Chemistry</i> , 2016 , 4, 8	5	61

192	Gold nanoparticles increases UV and thermal stability of human serum albumin. <i>Biointerphases</i> , 2016 , 11, 04B310	1.8	13
191	Characterization of silver nanoparticles-alginate complexes by combined size separation and size measurement techniques. <i>Biointerphases</i> , 2016 , 11, 04B309	1.8	2
190	Multiplex cell microarrays for high-throughput screening. <i>Lab on A Chip</i> , 2016 , 16, 4248-4262	7.2	20
189	Different mechanisms are involved in oxidative DNA damage and genotoxicity induction by ZnO and TiO ₂ nanoparticles in human colon carcinoma cells. <i>Toxicology in Vitro</i> , 2015 , 29, 1503-12	3.6	74
188	Modulation of surface bio-functionality by using gold nanostructures on protein repellent surfaces. <i>RSC Advances</i> , 2015 , 5, 83187-83196	3.7	3
187	Application of Asymmetric Flow Field-Flow Fractionation hyphenations for liposome-antimicrobial peptide interaction. <i>Journal of Chromatography A</i> , 2015 , 1422, 260-269	4.5	27
186	Determination of the structure and morphology of gold nanoparticle-HSA protein complexes. <i>Nanoscale</i> , 2015 , 7, 17653-7	7.7	36
185	Cyto/hemocompatible magnetic hybrid nanoparticles (Ag ₂ S-Fe ₃ O ₄) with luminescence in the near-infrared region as promising theranostic materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 198-207	6	18
184	Comprehensive In Vitro Toxicity Testing of a Panel of Representative Oxide Nanomaterials: First Steps towards an Intelligent Testing Strategy. <i>PLoS ONE</i> , 2015 , 10, e0127174	3.7	117
183	Changes in Caco-2 cells transcriptome profiles upon exposure to gold nanoparticles. <i>Toxicology Letters</i> , 2015 , 233, 187-99	4.4	38
182	Detection, quantification and derivation of number size distribution of silver nanoparticles in antimicrobial consumer products. <i>Journal of Analytical Atomic Spectrometry</i> , 2015 , 30, 1255-1265	3.7	64
181	Dispersion Behaviour of Silica Nanoparticles in Biological Media and Its Influence on Cellular Uptake. <i>PLoS ONE</i> , 2015 , 10, e0141593	3.7	43
180	Inhibition of the ROS-mediated cytotoxicity and genotoxicity of nano-TiO ₂ toward human keratinocyte cells by iron doping. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	18
179	Plasma Modification of PCL Porous Scaffolds Fabricated by Solvent-Casting/Particulate-Leaching for Tissue Engineering. <i>Plasma Processes and Polymers</i> , 2014 , 11, 184-195	3.4	56
178	A proteomic approach to investigate AuNPs effects in Balb/3T3 cells. <i>Toxicology Letters</i> , 2014 , 228, 111-124	4.6	17
177	Critical experimental evaluation of key methods to detect, size and quantify nanoparticulate silver. <i>Analytical Chemistry</i> , 2014 , 86, 12143-51	7.8	43
176	Interactions of Serum Derived Proteins with Sub-Micrometer Structured Surfaces. <i>Plasma Processes and Polymers</i> , 2014 , 11, 577-587	3.4	7
175	Back Cover: Plasma Process. Polym. 2014. <i>Plasma Processes and Polymers</i> , 2014 , 11, 196-196	3.4	1

174	Solid-phase microextraction/gas chromatography-mass spectrometry method optimization for characterization of surface adsorption forces of nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 6629-36	4.4	1
173	Silica nanoparticle uptake induces survival mechanism in A549 cells by the activation of autophagy but not apoptosis. <i>Toxicology Letters</i> , 2014 , 224, 84-92	4.4	55
172	Developmental stage dependent neural stem cells sensitivity to methylmercury chloride on different biofunctional surfaces. <i>Toxicology in Vitro</i> , 2014 , 28, 76-87	3.6	15
171	Detection of silver nanoparticles inside marine diatom <i>Thalassiosira pseudonana</i> by electron microscopy and focused ion beam. <i>PLoS ONE</i> , 2014 , 9, e96078	3.7	14
170	Nanotoxicology. <i>Methods in Pharmacology and Toxicology</i> , 2014 , 481-499	1.1	
169	Surface characterisation of PEO-like microstructures by means of ToF-SIMS, XPS and SPR. <i>Surface and Interface Analysis</i> , 2013 , 45, 240-243	1.5	3
168	Predictive toxicology of cobalt ferrite nanoparticles: comparative in-vitro study of different cellular models using methods of knowledge discovery from data. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 32	8.4	89
167	Comparative study of ZnO and TiO ₂ nanoparticles: physicochemical characterisation and toxicological effects on human colon carcinoma cells. <i>Nanotoxicology</i> , 2013 , 7, 1361-72	5.3	100
166	Biocompatibility study of two diblock copolymeric nanoparticles for biomedical applications by in vitro toxicity testing. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	6
165	Size-dependent toxicity and cell interaction mechanisms of gold nanoparticles on mouse fibroblasts. <i>Toxicology Letters</i> , 2013 , 217, 205-16	4.4	247
164	Gold nanoparticles blocking effect on UV-induced damage to human serum albumin. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	7
163	Morphological transformation induced by multiwall carbon nanotubes on Balb/3T3 cell model as an in vitro end point of carcinogenic potential. <i>Nanotoxicology</i> , 2013 , 7, 221-33	5.3	33
162	Mechanisms of toxicity induced by SiO ₂ nanoparticles of in vitro human alveolar barrier: effects on cytokine production, oxidative stress induction, surfactant proteins A mRNA expression and nanoparticles uptake. <i>Nanotoxicology</i> , 2013 , 7, 1095-110	5.3	33
161	Singlet oxygen plays a key role in the toxicity and DNA damage caused by nanometric TiO ₂ in human keratinocytes. <i>Nanoscale</i> , 2013 , 5, 6567-76	7.7	45
160	Microcontact printing and microspotting as methods for direct protein patterning on plasma deposited polyethylene oxide: application to stem cell patterning. <i>Biomedical Microdevices</i> , 2013 , 15, 495-507	3.7	19
159	Microscopic Analysis of the Interaction of Gold Nanoparticles with Cells of the Innate Immune System. <i>Scientific Reports</i> , 2013 , 3,	4.9	18
158	Silver nanoparticles induce cytotoxicity, but not cell transformation or genotoxicity on Balb3T3 mouse fibroblasts. <i>BioNanoMaterials</i> , 2013 , 14, 49-60		7
157	Gold nanoparticles downregulate interleukin-1 β induced pro-inflammatory responses. <i>Small</i> , 2013 , 9, 472-7	11	124

156	Structure and Stability of Proteins Interacting with Nanoparticles. <i>ACS Symposium Series</i> , 2012 , 839-855	0.4	1
155	Structured biotinylated poly(3,4-ethylenedioxyppyrole) electrodes for biochemical applications. <i>RSC Advances</i> , 2012 , 2, 1033-1039	3.7	15
154	Nanopatterned submicron pores as a shield for nonspecific binding in surface plasmon resonance-based sensing. <i>Analyst, The</i> , 2012 , 137, 5251-9	5	3
153	Amorphous silica nanoparticles do not induce cytotoxicity, cell transformation or genotoxicity in Balb/3T3 mouse fibroblasts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 745, 11-20	3	99
152	Nanostructured porous silicon micropatterns as a tool for substrate-conditioned cell research. <i>Nanoscale Research Letters</i> , 2012 , 7, 396	5	11
151	Low-pressure water vapour plasma treatment of surfaces for biomolecules decontamination. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 135203	3	33
150	Effects of silver nanoparticles in diatom <i>Thalassiosira pseudonana</i> and cyanobacterium <i>Synechococcus</i> sp. <i>Environmental Science & Technology</i> , 2012 , 46, 11336-44	10.3	70
149	In situ Quartz Crystal Microbalance Measurements of Thin Protein Film Plasma Removal. <i>Plasma Processes and Polymers</i> , 2012 , 9, 188-196	3.4	8
148	Amino-rich Plasma Polymer Films Prepared by RF Magnetron Sputtering. <i>Plasma Processes and Polymers</i> , 2012 , 9, 371-379	3.4	8
147	Online monitoring of cell metabolism to assess the toxicity of nanoparticles: the case of cobalt ferrite. <i>Nanotoxicology</i> , 2012 , 6, 272-87	5.3	22
146	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a modified polyol process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 145-151	5.1	58
145	Interaction among plasmonic resonances in a gold film embedding a two-dimensional array of polymeric nanopillars. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 1641	1.7	18
144	A printed nanolitre-scale bacterial sensor array. <i>Lab on A Chip</i> , 2011 , 11, 139-46	7.2	31
143	Cellular distribution and degradation of cobalt ferrite nanoparticles in Balb/3T3 mouse fibroblasts. <i>Toxicology Letters</i> , 2011 , 207, 128-36	4.4	76
142	Measuring protein structure and stability of protein-nanoparticle systems with synchrotron radiation circular dichroism. <i>Nano Letters</i> , 2011 , 11, 4480-4	11.5	112
141	Cyclotron production of radioactive CeO(2) nanoparticles and their application for in vitro uptake studies. <i>IEEE Transactions on Nanobioscience</i> , 2011 , 10, 44-50	3.4	26
140	Fabrication of Bio-Functionalised Polypyrrole Nanoarrays for Bio-Molecular Recognition. <i>Micro and Nanosystems</i> , 2011 , 3, 83-89	0.6	8
139	Chemical reactivity of plasma polymerized allylamine (PPAA) thin films on Au and Si: Study of the thickness influence and aging of the films. <i>Surface and Coatings Technology</i> , 2011 , 205, S462-S465	4.4	14

138	UNCD/a-C nanocomposite films for biotechnological applications. <i>Surface and Coatings Technology</i> , 2011 , 206, 667-675	4.4	13
137	Nanostructure protein repellent amphiphilic copolymer coatings with optimized surface energy by Inductively Excited Low Pressure Plasma. <i>Langmuir</i> , 2011 , 27, 14570-80	4	40
136	⁵⁶ Co-labelled radioactive Fe ₃ O ₄ nanoparticles for in vitro uptake studies on Balb/3T3 and Caco-2 cell lines. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6707-6716	2.3	9
135	Separation and characterization of gold nanoparticle mixtures by flow-field-flow fractionation. <i>Journal of Chromatography A</i> , 2011 , 1218, 4234-9	4.5	87
134	Problems and challenges in the development and validation of human cell-based assays to determine nanoparticle-induced immunomodulatory effects. <i>Particle and Fibre Toxicology</i> , 2011 , 8, 8	8.4	142
133	On the development of the morphology of ultrananocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 70-80	1.6	18
132	Amphiphilic Copolymer Coatings via Plasma Polymerisation Process: Switching and Anti-Biofouling Characteristics. <i>Plasma Processes and Polymers</i> , 2011 , 8, 373-385	3.4	22
131	Characterization of a Low-pressure Inductively Coupled Plasma Discharge Sustained in Ar/O ₂ /N ₂ Ternary Mixtures and Evaluation of its Effect on Erosion of Biological Samples. <i>Plasma Processes and Polymers</i> , 2011 , 8, 1137-1145	3.4	11
130	Quantification of protein immobilization on substrates for cellular microarray applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 245-56	5.4	6
129	Biosensor for direct cell detection, quantification and analysis. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4162-8	11.8	17
128	Chemical modification and patterning of self assembled monolayers using scanning electron and ion-beam lithography. <i>Microelectronic Engineering</i> , 2011 , 88, 1948-1950	2.5	1
127	Applications and challenges of plasma processes in nanobiotechnology. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 174017	3	6
126	TiN _x O _y /TiN dielectric contrasts obtained by ion implantation of O ²⁺ ; structural, optical and electrical properties. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 235501	3	6
125	Predictive toxicology of cobalt nanoparticles and ions: comparative in vitro study of different cellular models using methods of knowledge discovery from data. <i>Toxicological Sciences</i> , 2011 , 122, 489-501	4.4	78
124	Proliferation capacity of cord blood derived neural stem cell line on different micro-scale biofunctional domains. <i>Acta Neurobiologiae Experimentalis</i> , 2011 , 71, 12-23	1	2
123	Nanopatterned Surfaces for Bio-Detection. <i>Analytical Letters</i> , 2010 , 43, 1556-1571	2.2	11
122	Protein-nanoparticle interaction: identification of the ubiquitin-gold nanoparticle interaction site. <i>Nano Letters</i> , 2010 , 10, 3101-5	11.5	216
121	Colony Forming Efficiency and microscopy analysis of multi-wall carbon nanotubes cell interaction. <i>Toxicology Letters</i> , 2010 , 197, 29-37	4.4	44

120	Electrical properties of ultrananocrystalline diamond/amorphous carbon nanocomposite films. <i>Diamond and Related Materials</i> , 2010 , 19, 449-452	3.5	18
119	Surface functionalization for protein and cell patterning. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010 , 117, 109-30	1.7	6
118	Preventing Biofilm Formation on Biomedical Surfaces 2010 , 183-223		6
117	Elimination of biological contaminations from surfaces by plasma discharges: chemical sputtering. <i>ChemPhysChem</i> , 2010 , 11, 1382-9	3.2	32
116	Neural stem cells from human cord blood on bioengineered surfaces--novel approach to multiparameter bio-tests. <i>Toxicology</i> , 2010 , 270, 35-42	4.4	24
115	Fluorocarbon Coatings Via Plasma Enhanced Chemical Vapor Deposition of 1H,1H,2H,2H-perfluorodecyl Acrylate - 2, Morphology, Wettability and Antifouling Characterization. <i>Plasma Processes and Polymers</i> , 2010 , 7, 926-938	3.4	51
114	A Colloidal Silica Reference Material for Nanoparticle Sizing by Means of Dynamic Light Scattering and Centrifugal Liquid Sedimentation. <i>Particle and Particle Systems Characterization</i> , 2010 , 27, 112-124	3.1	8
113	Plasmonic resonances in nanostructured gold/polymer surfaces by colloidal lithography. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 935-942	1.6	23
112	Preparation, modification and cellular evaluation of PEG/BEGd supports with titania nanoparticle loads. <i>Surface and Interface Analysis</i> , 2010 , 42, 481-485	1.5	1
111	The effect of adhesion on the contact radius in atomic force microscopy indentation. <i>Nanotechnology</i> , 2009 , 20, 365702	3.4	11
110	Atomic force microscopy characterization of the chemical contrast of nanoscale patterns fabricated by electron beam lithography on polyethylene glycol oxide thin films. <i>Ultramicroscopy</i> , 2009 , 109, 222-9	3.1	9
109	Large-area, nanoimprint-assisted microcontact stripping for the fabrication of microarrays of fouling/nonfouling nanostructures. <i>Small</i> , 2009 , 5, 1133-7	1.1	3
108	Removal of Model Proteins Using Beams of Argon Ions, Oxygen Atoms and Molecules: Mimicking the Action of Low-Pressure Ar/O ₂ ICP Discharges. <i>Plasma Processes and Polymers</i> , 2009 , 6, 255-261	3.4	42
107	Elimination of Homo-polypeptides of Amino Acids from Surfaces by means of Low Pressure Inductively Coupled Plasma Discharge. <i>Plasma Processes and Polymers</i> , 2009 , 6, 848-854	3.4	6
106	Atomic force microscopy indentation of fluorocarbon thin films fabricated by plasma enhanced chemical deposition at low radio frequency power. <i>Thin Solid Films</i> , 2009 , 517, 3310-3314	2.2	14
105	Monitoring plasma etching of biomolecules by imaging ellipsometry. <i>Vacuum</i> , 2009 , 84, 75-78	3.7	14
104	Hydrogen peroxide detection nanosensor array for biosensor development. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 56-61	8.5	37
103	Surface properties of differently prepared ultrananocrystalline diamond surfaces. <i>Diamond and Related Materials</i> , 2009 , 18, 745-749	3.5	20

102	Genotoxicity and morphological transformation induced by cobalt nanoparticles and cobalt chloride: an in vitro study in Balb/3T3 mouse fibroblasts. <i>Mutagenesis</i> , 2009 , 24, 439-45	2.8	137
101	Fabrication and characterization of protein arrays for stem cell patterning. <i>Soft Matter</i> , 2009 , 5, 1406	3.6	29
100	A quantitative in vitro approach to study the intracellular fate of gold nanoparticles: from synthesis to cytotoxicity. <i>Nanotoxicology</i> , 2009 , 3, 296-306	5.3	34
99	Low pressure plasma discharges for the sterilization and decontamination of surfaces. <i>New Journal of Physics</i> , 2009 , 11, 115017	2.9	79
98	Genotoxicity assays analysis for carbon nanotubes: friends or foes? Preliminary results on human peripheral leukocytes. <i>International Journal of Environment and Health</i> , 2009 , 3, 275	1.3	3
97	Patterned growth and differentiation of human cord blood-derived neural stem cells on bio-functionalized surfaces. <i>Acta Neurobiologiae Experimentalis</i> , 2009 , 69, 24-36	1	15
96	Poly(N-isopropylacrylamide) grafted on plasma-activated poly(ethylene oxide): thermal response and interaction with proteins. <i>Langmuir</i> , 2008 , 24, 6166-75	4	27
95	Stem-cell culture on patterned bio-functional surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 1649-57	3.5	10
94	Surface modification of nanocrystalline diamond/amorphous carbon composite films. <i>Diamond and Related Materials</i> , 2008 , 17, 1229-1234	3.5	30
93	On the application of inductively coupled plasma discharges sustained in Ar/O ₂ /N ₂ ternary mixture for sterilization and decontamination of medical instruments. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 192005	3	55
92	Investigation of the nucleation and growth mechanisms of nanocrystalline diamond/amorphous carbon nanocomposite films. <i>Diamond and Related Materials</i> , 2008 , 17, 1116-1121	3.5	19
91	Effect of temperature on layer separation by plasma hydrogenation. <i>Applied Physics Letters</i> , 2008 , 93, 254104	3.4	8
90	Protein nanopatterns for improved immunodetection sensitivity. <i>Analytical Chemistry</i> , 2008 , 80, 7336-40	7.8	28
89	pH-dependent immobilization of proteins on surfaces functionalized by plasma-enhanced chemical vapor deposition of poly(acrylic acid)- and poly(ethylene oxide)-like films. <i>Langmuir</i> , 2008 , 24, 7251-61	4	43
88	Use of a low-pressure plasma discharge for the decontamination and sterilization of medical devices. <i>Pure and Applied Chemistry</i> , 2008 , 80, 1939-1951	2.1	28
87	Removal of immune-stimulatory components from surfaces by plasma discharges. <i>Innate Immunity</i> , 2008 , 14, 89-97	2.7	22
86	Direct fabrication of nanoscale bio-adhesive patterns by electron beam surface modification of plasma polymerized poly ethylene oxide-like coatings. <i>Nanotechnology</i> , 2008 , 19, 125306	3.4	15
85	Probing elasticity and adhesion of live cells by atomic force microscopy indentation. <i>European Biophysics Journal</i> , 2008 , 37, 935-45	1.9	96

84	Surface modification, characterization and biofunctionality of pegylated titanate films obtained by the sol-gel method. <i>Surface and Interface Analysis</i> , 2008 , 40, 205-209	1.5	4
83	Large-scale fabrication of bi-functional nanostructured polymer surfaces for selective biomolecular adhesion. <i>Small</i> , 2008 , 4, 1919-24	11	17
82	Experimental Study of the Influence of Ar/H ₂ Microwave Discharges on Lipid A. <i>Plasma Processes and Polymers</i> , 2008 , 5, 26-32	3.4	18
81	Polypropylene glycol is a selective binding inhibitor for LTA and other structurally related TLR2 agonists. <i>European Journal of Immunology</i> , 2008 , 38, 797-808	6.1	8
80	Sensitivity Enhancement of Surface-Plasmon Resonance Imaging by Nanoarrayed Organothiols. <i>Advanced Materials</i> , 2008 , 20, 2352-2358	24	15
79	The effect of sterilization processes on the bioadhesive properties and surface chemistry of a plasma-polymerized polyethylene glycol film: XPS characterization and L929 cell proliferation tests. <i>Acta Biomaterialia</i> , 2008 , 4, 1745-51	10.8	32
78	Micro-stamped surfaces for the patterned growth of neural stem cells. <i>Biomaterials</i> , 2008 , 29, 4766-74	15.6	84
77	Use of nanopatterned surfaces to enhance immunoreaction efficiency. <i>Analytical Chemistry</i> , 2008 , 80, 1418-24	7.8	30
76	Formation of viscoelastic protein droplets on a chemically functionalized surface. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8713-6	3.4	4
75	Fabrication and characterization of plasma processed surfaces with tuned wettability. <i>Langmuir</i> , 2007 , 23, 12984-9	4	41
74	Direct Nanopatterning of 3D Chemically Active Structures for Biological Applications. <i>Advanced Materials</i> , 2007 , 19, 1947-1950	24	31
73	Surface Characterization of Biopolymer Micropatterns Processed by Ion-Beam Modification and PECVD. <i>Chemical Vapor Deposition</i> , 2007 , 13, 211-218		8
72	Surface and bioproperties of nanocrystalline diamond/amorphous carbon nanocomposite films. <i>Thin Solid Films</i> , 2007 , 515, 8407-8411	2.2	20
71	Thiolated polyethylene oxide as a non-fouling element for nano-patterned bio-devices. <i>Applied Surface Science</i> , 2007 , 253, 4796-4804	6.7	6
70	Electrogenerated indium tin oxide-coated glass surface with photosensitive interfaces: surface analysis. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2230-6	11.8	15
69	Assessment of cytotoxicity by impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 3057-63	11.8	73
68	Online monitoring of BALB/3T3 metabolism and adhesion with multiparametric chip-based system. <i>Analytical Biochemistry</i> , 2007 , 371, 92-104	3.1	51
67	Cellular response to oxygen containing biomedical polymers modified by Ar and He implantation. <i>Acta Biomaterialia</i> , 2007 , 3, 735-43	10.8	15

66	Electrochemical properties of polymeric nanopatterned electrodes. <i>Electrochemistry Communications</i> , 2007 , 9, 1833-1839	5.1	10
65	Controlled micropatterning of biomolecules for cell culturing. <i>Microelectronic Engineering</i> , 2007 , 84, 1733-1736	3.5	23
64	Micro-patterned surfaces based on plasma modification of PEO-like coating for biological applications. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 283-292	8.5	55
63	Real-time assessment of cytotoxicity by impedance measurement on a 96-well plate. <i>Sensors and Actuators B: Chemical</i> , 2007 , 123, 769-778	8.5	60
62	Development of a potentiometric biosensor based on nanostructured surface for lactate determination. <i>Sensors and Actuators B: Chemical</i> , 2007 , 127, 606-612	8.5	32
61	Micro-spot, UV and wetting patterning pathways for applications of biofunctional aminosilane-titanate coatings. <i>Biomedical Microdevices</i> , 2007 , 9, 287-94	3.7	11
60	Fabrication of functional nano-patterned surfaces by a combination of plasma processes and electron-beam lithography. <i>Nanotechnology</i> , 2007 , 18, 135303	3.4	21
59	Large-area protein nano-arrays patterned by soft lithography. <i>Nanotechnology</i> , 2007 , 18, 505306	3.4	14
58	Investigation of stress-induced (100) platelet formation and surface exfoliation in plasma hydrogenated Si. <i>Applied Physics Letters</i> , 2007 , 91, 244101	3.4	7
57	Single- and few-walled carbon nanotubes grown at temperatures as low as 450 degrees c: electrical and field emission characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3350-3	1.3	4
56	Plasma assisted production of chemical nano-patterns by nano-sphere lithography: application to bio-interfaces. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 2341-2347	3	35
55	Selective Immobilization of Protein Clusters on Polymeric Nanocraters. <i>Advanced Functional Materials</i> , 2006 , 16, 1242-1246	15.6	38
54	Plasma-based processes for surface wettability modification. <i>Langmuir</i> , 2006 , 22, 3057-61	4	42
53	Fabrication of polypyrrole-based nanoelectrode arrays by colloidal lithography. <i>Analytical Chemistry</i> , 2006 , 78, 7588-91	7.8	24
52	Effect of Low-Pressure Microwave Discharges on Pyrogen Bioactivity. <i>IEEE Transactions on Plasma Science</i> , 2006 , 34, 2606-2610	1.3	30
51	Immobilization of antibodies on biosensing devices by nanoarrayed self-assembled monolayers. <i>Langmuir</i> , 2006 , 22, 1763-7	4	44
50	Adhesion and elasticity in nanoscale indentation. <i>Applied Physics Letters</i> , 2006 , 89, 243118	3.4	49
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