FranÃ§ois Rossi

List of Publications by Year
in descending order

211	7,775	38660	71532
papers	citations	50 h-index	76 g-index

214	214	214	11172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel Fabrication Routes of Metallic Micromembranes for In Situ Mechanical Testing. Metals, 2022, 12, 468.	1.0	0
2	Synthesis of Citrate-Stabilized Silver Nanoparticles Modified by Thermal and pH Preconditioned Tannic Acid. Nanomaterials, 2020, 10, 2031.	1.9	45
3	A methodology to investigate heterogeneous oxidation of thermally aged crossâ€linked polyethylene by ToFâ€SIMS. Surface and Interface Analysis, 2020, 52, 1178-1184.	0.8	3
4	Direct quantification of nanoparticle surface hydrophobicity. Communications Chemistry, 2018, 1, .	2.0	41
5	Rational design of multi-functional gold nanoparticles with controlled biomolecule adsorption: a multi-method approach for in-depth characterization. Nanoscale, 2018, 10, 10173-10181.	2.8	13
6	pH-sensitive niosomes: Effects on cytotoxicity and on inflammation and pain in murine models. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 538-546.	2.5	35
7	Nano-mechanical in-process monitoring of antimicrobial poration in model phospholipid bilayers. RSC Advances, 2017, 7, 19081-19084.	1.7	2
8	Neural Stem Cell Fate Control on Micropatterned Substrates. Neuromethods, 2017, , 19-44.	0.2	3
9	Analytical ultracentrifugation for analysis of doxorubicin loaded liposomes. International Journal of Pharmaceutics, 2017, 523, 320-326.	2.6	55
10	Modulating charge-dependent and folding-mediated antimicrobial interactions at peptideâ€“lipid interfaces. European Biophysics Journal, 2017, 46, 375-382.	1.2	3
11	Bioinspired Roseâ€Petalâ€Like Substrates Generated by Electropolymerization on Micropatterned Gold Substrates. ChemPlusChem, 2017, 82, 352-357.	1.3	9
12	Surface Analysis of Gold Nanoparticles Functionalized with Thiol-Modified Glucose SAMs for Biosensor Applications. Frontiers in Chemistry, 2016, 4, 8.	1.8	87
13	Gold nanoparticles increases UV and thermal stability of human serum albumin. Biointerphases, 2016, 11, 04B310.	0.6	22
14	Characterization of silver nanoparticles-alginate complexes by combined size separation and size measurement techniques. Biointerphases, 2016, 11, 04B309.	0.6	5
15	Multiplex cell microarrays for high-throughput screening. Lab on A Chip, 2016, 16, 4248-4262.	3.1	26
16	Biofouling Properties of Nitroxide-Modified Amorphous Carbon Surfaces. ACS Biomaterials Science and Engineering, 2016, 2, 1976-1982.	2.6	4
17	Highly Flexible Platform for Tuning Surface Properties of Silica Nanoparticles and Monitoring Their Biological Interaction. ACS Applied Materials & Interfaces, 2016, 8, 4838-4850.	4.0	26
18	Role of the crystalline form of titanium dioxide nanoparticles: Rutile, and not anatase, induces toxic effects in Balb/3T3 mouse fibroblasts. Toxicology in Vitro, 2016, 31, 137-145.	1.1	90

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19	Review of achievements of the OECD Working Party on Manufactured Nanomaterials' Testing and Assessment Programme. From exploratory testing to test guidelines. Regulatory Toxicology and Pharmacology, 2016, 74, 147-160.	1.3	123
20	Quantification of the cellular dose and characterization of nanoparticle transport during in vitro testing. Particle and Fibre Toxicology, 2015, 13, 47.	2.8	25
21	Comprehensive In Vitro Toxicity Testing of a Panel of Representative Oxide Nanomaterials: First Steps towards an Intelligent Testing Strategy. PLoS ONE, 2015, 10, e0127174.	1.1	136
22	Changes in Caco-2 cells transcriptome profiles upon exposure to gold nanoparticles. Toxicology Letters, 2015, 233, 187-199.	0.4	42
23	Detection, quantification and derivation of number size distribution of silver nanoparticles in antimicrobial consumer products. Journal of Analytical Atomic Spectrometry, 2015, 30, 1255-1265.	1.6	73
24	Different mechanisms are involved in oxidative DNA damage and genotoxicity induction by ZnO and TiO2 nanoparticles in human colon carcinoma cells. Toxicology in Vitro, 2015, 29, 1503-1512.	1.1	89
25	Modulation of surface bio-functionality by using gold nanostructures on protein repellent surfaces. RSC Advances, 2015, 5, 83187-83196.	1.7	3
26	Application of Asymmetric Flow Field-Flow Fractionation hyphenations for liposomeâ€“antimicrobial peptide interaction. Journal of Chromatography A, 2015, 1422, 260-269.	1.8	35
27	Determination of the structure and morphology of gold nanoparticleâ€“HSA protein complexes. Nanoscale, 2015, 7, 17653-17657.	2.8	41
28	Cyto/hemocompatible magnetic hybrid nanoparticles (Ag2Sâ€“Fe3O4) with luminescence in the near-infrared region as promising theranostic materials. Colloids and Surfaces B: Biointerfaces, 2015, 133, 198-207.	2.5	21
29	Dispersion Behaviour of Silica Nanoparticles in Biological Media and Its Influence on Cellular Uptake. PLoS ONE, 2015, 10, e0141593.	1.1	52
30	Critical Experimental Evaluation of Key Methods to Detect, Size and Quantify Nanoparticulate Silver. Analytical Chemistry, 2014, 86, 12143-12151.	3.2	50
31	Interactions of Serum Derived Proteins with Subâ€Micrometer Structured Surfaces. Plasma Processes and Polymers, 2014, 11, 577-587.	1.6	7
32	Back Cover: Plasma Process. Polym. 2â•2014. Plasma Processes and Polymers, 2014, 11, 196-196.	1.6	1
33	Solid-phase microextraction/gas chromatographyâ€“mass spectrometry method optimization for characterization of surface adsorption forces of nanoparticles. Analytical and Bioanalytical Chemistry, 2014, 406, 6629-6636.	1.9	4
34	Silica nanoparticle uptake induces survival mechanism in A549 cells by the activation of autophagy but not apoptosis. Toxicology Letters, 2014, 224, 84-92.	0.4	64
35	Developmental stage dependent neural stem cells sensitivity to methylmercury chloride on different biofunctional surfaces. Toxicology in Vitro, 2014, 28, 76-87.	1.1	20
36	Inhibition of the ROS-mediated cytotoxicity and genotoxicity of nano-TiO2 toward human keratinocyte cells by iron doping. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	19

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37	Plasma Modification of PCL Porous Scaffolds Fabricated by Solventâ€Casting/Particulateâ€Leaching for Tissue Engineering. Plasma Processes and Polymers, 2014, 11, 184-195.	1.6	70
38	A proteomic approach to investigate AuNPs effects in Balb/3T3 cells. Toxicology Letters, 2014, 228, 111-126.	0.4	22
39	Detection of Silver Nanoparticles inside Marine Diatom Thalassiosira pseudonana by Electron Microscopy and Focused Ion Beam. PLoS ONE, 2014, 9, e96078.	1.1	16
40	Nanotoxicology. Methods in Pharmacology and Toxicology, 2014, , 481-499.	0.1	0
41	Mechanisms of toxicity induced by SiO₂ nanoparticles of in vitro human alveolar barrier: effects on cytokine production, oxidative stress induction, surfactant proteins A mRNA expression and nanoparticles uptake. Nanotoxicology, 2013, 7, 1095-1110.	1.6	38
42	Surface characterisation of PEO-like microstructures by means of ToF-SIMS, XPS and SPR. Surface and Interface Analysis, 2013, 45, 240-243.	0.8	3
43	Predictive Toxicology of cobalt ferrite nanoparticles: comparative in-vitro study of different cellular models using methods of knowledge discovery from data. Particle and Fibre Toxicology, 2013, 10, 32.	2.8	105
44	Comparative study of ZnO and TiO₂nanoparticles: physicochemical characterisation and toxicological effects on human colon carcinoma cells. Nanotoxicology, 2013, 7, 1361-1372.	1.6	117
45	Biocompatibility study of two diblock copolymeric nanoparticles for biomedical applications by in vitro toxicity testing. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	7
46	Size-dependent toxicity and cell interaction mechanisms of gold nanoparticles on mouse fibroblasts. Toxicology Letters, 2013, 217, 205-216.	0.4	297
47	Gold nanoparticlesâ€™ blocking effect on UV-induced damage to human serum albumin. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	10
48	Morphological transformation induced by multiwall carbon nanotubes on Balb/3T3 cell model as anin vitroend point of carcinogenic potential. Nanotoxicology, 2013, 7, 221-233.	1.6	37
49	Singlet oxygen plays a key role in the toxicity and DNA damage caused by nanometric TiO2 in human keratinocytes. Nanoscale, 2013, 5, 6567.	2.8	55
50	Microcontact printing and microspotting as methods for direct protein patterning on plasma deposited polyethylene oxide: application to stem cell patterning. Biomedical Microdevices, 2013, 15, 495-507.	1.4	24
51	Microscopic Analysis of the Interaction of Gold Nanoparticles with Cells of the Innate Immune System. Scientific Reports, 2013, 3, .	1.6	21
52	Silver nanoparticles induce cytotoxicity, but not cell transformation or genotoxicity on Balb3T3 mouse fibroblasts. BioNanoMaterials, 2013, 14, 49-60.	1.4	8
53	Gold Nanoparticles Downregulate Interleukinâ€1Î²â€Induced Proâ€Inflammatory Responses. Small, 2013, 9, 472-477.	5.2	165
54	Interaction among plasmonic resonances in a gold film embedding a two-dimensional array of polymeric nanopillars. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1641.	0.9	24

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55	Structure and Stability of Proteins Interacting with Nanoparticles. ACS Symposium Series, 2012, , 839-855.	0.5	1
56	Structured biotinylated poly(3,4-ethylenedioxypyrrole) electrodes for biochemical applications. RSC Advances, 2012, 2, 1033-1039.	1.7	15
57	Nanopatterned submicron pores as a shield for nonspecific binding in surface plasmon resonance-based sensing. Analyst, The, 2012, 137, 5251.	1.7	4
58	Amorphous silica nanoparticles do not induce cytotoxicity, cell transformation or genotoxicity in Balb/3T3 mouse fibroblasts. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 745, 11-20.	0.9	118
59	Nanostructured porous silicon micropatterns as a tool for substrate-conditioned cell research. Nanoscale Research Letters, 2012, 7, 396.	3.1	15
60	Low-pressure water vapour plasma treatment of surfaces for biomolecules decontamination. Journal Physics D: Applied Physics, 2012, 45, 135203.	1.3	37
61	Effects of Silver Nanoparticles in Diatom Thalassiosira pseudonana and Cyanobacterium Synechococcus sp.. Environmental Science & Technology, 2012, 46, 11336-11344.	4.6	82
62	In situ Quartz Crystal Microbalance Measurements of Thin Protein Film Plasma Removal. Plasma Processes and Polymers, 2012, 9, 188-196.	1.6	8
63	Aminoâ€rich Plasma Polymer Films Prepared by RF Magnetron Sputtering. Plasma Processes and Polymers, 2012, 9, 371-379.	1.6	8
64	Special Issue on Plasma Sterilization and Decontamination. Plasma Processes and Polymers, 2012, 9, 559-560.	1.6	6
65	Online monitoring of cell metabolism to assess the toxicity of nanoparticles: The case of cobalt ferrite. Nanotoxicology, 2012, 6, 272-287.	1.6	23
66	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a â€œmodified polyol processâ€• Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 145-151.	2.3	67
67	A printed nanolitre-scale bacterial sensor array. Lab on A Chip, 2011, 11, 139-146.	3.1	34
68	Cellular distribution and degradation of cobalt ferrite nanoparticles in Balb/3T3 mouse fibroblasts. Toxicology Letters, 2011, 207, 128-136.	0.4	87
69	Measuring Protein Structure and Stability of Proteinâ€“Nanoparticle Systems with Synchrotron Radiation Circular Dichroism. Nano Letters, 2011, 11, 4480-4484.	4.5	127
70	Cyclotron Production of Radioactive ${hbox{CeO}} _{2}$ Nanoparticles and Their Application for In Vitro Uptake Studies. IEEE Transactions on Nanobioscience, 2011, 10, 44-50.	2.2	28
71	Fabrication of Bio-Functionalised Polypyrrole Nanoarrays for Bio-Molecular Recognition. Micro and Nanosystems, 2011, 3, 83-89.	0.3	11
72	Chemical reactivity of plasma polymerized allylamine (PPAA) thin films on Au and Si: Study of the thickness influence and aging of the films. Surface and Coatings Technology, 2011, 205, S462-S465.	2.2	14

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73	UNCD/a-C nanocomposite films for biotechnological applications. Surface and Coatings Technology, 2011, 206, 667-675.	2.2	13
74	Nanostructure Protein Repellant Amphiphilic Copolymer Coatings with Optimized Surface Energy by Inductively Excited Low Pressure Plasma. Langmuir, 2011, 27, 14570-14580.	1.6	44
75	56Co-labelled radioactive Fe3O4 nanoparticles for in vitro uptake studies on Balb/3T3 and Caco-2 cell lines. Journal of Nanoparticle Research, 2011, 13, 6707-6716.	0.8	10
76	Separation and characterization of gold nanoparticle mixtures by flow-field-flow fractionation. Journal of Chromatography A, 2011, 1218, 4234-4239.	1.8	95
77	Problems and challenges in the development and validation of human cell-based assays to determine nanoparticle-induced immunomodulatory effects. Particle and Fibre Toxicology, 2011, 8, 8.	2.8	170
78	On the development of the morphology of ultrananocrystalline diamond films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 70-80.	0.8	20
79	Amphiphilic Copolymer Coatings via Plasma Polymerisation Process: Switching and Antiâ€Biofouling Characteristics. Plasma Processes and Polymers, 2011, 8, 373-385.	1.6	31
80	Characterization of a Lowâ€pressure Inductively Coupled Plasma Discharge Sustained in Ar/O₂/N₂ Ternary Mixtures and Evaluation of its Effect on Erosion of Biological Samples. Plasma Processes and Polymers, 2011, 8, 1137-1145.	1.6	14
81	Quantification of protein immobilization on substrates for cellular microarray applications. Journal of Biomedical Materials Research - Part A, 2011, 98A, 245-256.	2.1	6
82	Biosensor for direct cell detection, quantification and analysis. Biosensors and Bioelectronics, 2011, 26, 4162-4168.	5.3	20
83	Chemical modification and patterning of self assembled monolayers using scanning electron and ion-beam lithography. Microelectronic Engineering, 2011, 88, 1948-1950.	1.1	1
84	Applications and challenges of plasma processes in nanobiotechnology. Journal Physics D: Applied Physics, 2011, 44, 174017.	1.3	7
85	TiN_xO_y/TiN dielectric contrasts obtained by ion implantation of ; structural, optical and electrical properties. Journal Physics D: Applied Physics, 2011, 44, 235501.	1.3	7
86	Predictive Toxicology of Cobalt Nanoparticles and Ions: Comparative In Vitro Study of Different Cellular Models Using Methods of Knowledge Discovery from Data. Toxicological Sciences, 2011, 122, 489-501.	1.4	95
87	Proliferation capacity of cord blood derived neural stem cell line on different micro-scale biofunctional domains. Acta Neurobiologiae Experimentalis, 2011, 71, 12-23.	0.4	2
88	Elimination of Biological Contaminations from Surfaces by Plasma Discharges: Chemical Sputtering. ChemPhysChem, 2010, 11, 1382-1389.	1.0	38
89	Neural stem cells from human cord blood on bioengineered surfacesâ€"Novel approach to multiparameter bio-tests. Toxicology, 2010, 270, 35-42.	2.0	26
90	Fluorocarbon Coatings Via Plasma Enhanced Chemical Vapor Deposition of 1H,1H,2H,2H-perfluorodecyl Acrylate - 2, Morphology, Wettability and Antifouling Characterization. Plasma Processes and Polymers, 2010, 7, 926-938.	1.6	60

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91	A Colloidal Silica Reference Material for Nanoparticle Sizing by Means of Dynamic Light Scattering and Centrifugal Liquid Sedimentation. Particle and Particle Systems Characterization, 2010, 27, 112-124.	1.2	8
92	Plasmonic resonances in nanostructured gold/polymer surfaces by colloidal lithography. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 935-942.	0.8	28
93	Preparation, modification and cellular evaluation of PEGâ€"PEGd supports with titania nanoparticle loads. Surface and Interface Analysis, 2010, 42, 481-485.	0.8	1
94	Nanopatterned Surfaces for Bio-Detection. Analytical Letters, 2010, 43, 1556-1571.	1.0	11
95	Proteinâ~Nanoparticle Interaction: Identification of the Ubiquitinâ~Gold Nanoparticle Interaction Site. Nano Letters, 2010, 10, 3101-3105.	4.5	237
96	Colony Forming Efficiency and microscopy analysis of multi-wall carbon nanotubes cell interaction. Toxicology Letters, 2010, 197, 29-37.	0.4	52
97	Electrical properties of ultrananocrystalline diamond/amorphous carbon nanocomposite films. Diamond and Related Materials, 2010, 19, 449-452.	1.8	18
98	The effect of adhesion on the contact radius in atomic force microscopy indentation. Nanotechnology, 2009, 20, 365702.	1.3	12
99	Surface Functionalization for Protein and Cell Patterning. , 2009, 117, 109-130.		6
100	Atomic force microscopy characterization of the chemical contrast of nanoscale patterns fabricated by electron beam lithography on polyethylene glycol oxide thin films. Ultramicroscopy, 2009, 109, 222-229.	0.8	12
101	Largeâ€Area, Nanoimprintâ€Assisted Microcontact Stripping for the Fabrication of Microarrays of Fouling/Nonfouling Nanostructures. Small, 2009, 5, 1133-1137.	5.2	3
102	Removal of Model Proteins Using Beams of Argon Ions, Oxygen Atoms and Molecules: Mimicking the Action of Lowâ€Pressure Ar/O₂ ICP Discharges. Plasma Processes and Polymers, 2009, 6, 255-261.	1.6	44
103	Elimination of Homoâ€polypeptides of Amino Acids from Surfaces by means of Low Pressure Inductively Coupled Plasma Discharge. Plasma Processes and Polymers, 2009, 6, 848-854.	1.6	7
104	Atomic force microscopy indentation of fluorocarbon thin films fabricated by plasma enhanced chemical deposition at low radio frequency power. Thin Solid Films, 2009, 517, 3310-3314.	0.8	17
105	Monitoring plasma etching of biomolecules by imaging ellipsometry. Vacuum, 2009, 84, 75-78.	1.6	14
106	Hydrogen peroxide detection nanosensor array for biosensor development. Sensors and Actuators B: Chemical, 2009, 137, 56-61.	4.0	37
107	Surface properties of differently prepared ultrananocrystalline diamond surfaces. Diamond and Related Materials, 2009, 18, 745-749.	1.8	20
108	Genotoxicity and morphological transformation induced by cobalt nanoparticles and cobalt chloride: an in vitro study in Balb/3T3 mouse fibroblasts. Mutagenesis, 2009, 24, 439-445.	1.0	150

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109	Fabrication and characterization of protein arrays for stem cell patterning. Soft Matter, 2009, 5, 1406.	1.2	30
110	A quantitativein vitroapproach to study the intracellular fate of gold nanoparticles: from synthesis to cytotoxicity. Nanotoxicology, 2009, 3, 296-306.	1.6	37
111	Low pressure plasma discharges for the sterilization and decontamination of surfaces. New Journal of Physics, 2009, 11, 115017.	1.2	91
112	Genotoxicity assays analysis for carbon nanotubes: friends or foes? Preliminary results on human peripheral leukocytes. International Journal of Environment and Health, 2009, 3, 275.	0.3	3
113	Patterned growth and differentiation of human cord blood-derived neural stem cells on bio-functionalized surfaces. Acta Neurobiologiae Experimentalis, 2009, 69, 24-36.	0.4	17
114	Probing elasticity and adhesion of live cells by atomic force microscopy indentation. European Biophysics Journal, 2008, 37, 935-945.	1.2	113
115	Surface modification, characterization and biofunctionality of pegylated titanate films obtained by the solâ€gel method. Surface and Interface Analysis, 2008, 40, 205-209.	0.8	4
116	Largeâ€Scale Fabrication of Biâ€Functional Nanostructured Polymer Surfaces for Selective Biomolecular Adhesion. Small, 2008, 4, 1919-1924.	5.2	18
117	Experimental Study of the Influence of Ar/H₂ Microwave Discharges on Lipid A. Plasma Processes and Polymers, 2008, 5, 26-32.	1.6	18
118	Polypropylene glycol is a selective binding inhibitor for LTA and other structurally related TLR2 agonists. European Journal of Immunology, 2008, 38, 797-808.	1.6	11
119	Sensitivity Enhancement of Surfaceâ€Plasmon Resonance Imaging by Nanoarrayed Organothiols. Advanced Materials, 2008, 20, 2352-2358.	11.1	17
120	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. Acta Biomaterialia, 2008, 4, 1745-1751.	4.1	35
121	Micro-stamped surfaces for the patterned growth of neural stem cells. Biomaterials, 2008, 29, 4766-4774.	5.7	95
122	Use of Nanopatterned Surfaces To Enhance Immunoreaction Efficiency. Analytical Chemistry, 2008, 80, 1418-1424.	3.2	34
123	Poly(N-isopropylacrylamide) Grafted on Plasma-Activated Poly(ethylene oxide): Thermal Response and Interaction With Proteins. Langmuir, 2008, 24, 6166-6175.	1.6	29
124	Stem-cell culture on patterned bio-functional surfaces. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1649-1657.	1.9	11
125	Surface modification of nanocrystalline diamond/amorphous carbon composite films. Diamond and Related Materials, 2008, 17, 1229-1234.	1.8	33
126	On the application of inductively coupled plasma discharges sustained in Ar/O₂/N₂ternary mixture for sterilization and decontamination of medical instruments. Journal Physics D: Applied Physics, 2008, 41, 192005.	1.3	60

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127	Investigation of the nucleation and growth mechanisms of nanocrystalline diamond/amorphous carbon nanocomposite films. Diamond and Related Materials, 2008, 17, 1116-1121.	1.8	20
128	On the use of imaging ellipsometry for the monitoring of protein removal by means of low-pressure inductively coupled plasma discharges. , 2008, , .		0
129	Effect of temperature on layer separation by plasma hydrogenation. Applied Physics Letters, 2008, 93, .	1.5	8
130	Protein Nanopatterns for Improved Immunodetection Sensitivity. Analytical Chemistry, 2008, 80, 7336-7340.	3.2	36
131	pH-Dependent Immobilization of Proteins on Surfaces Functionalized by Plasma-Enhanced Chemical Vapor Deposition of Poly(acrylic acid)- and Poly(ethylene oxide)-like Films. Langmuir, 2008, 24, 7251-7261.	1.6	46
132	Use of a low-pressure plasma discharge for the decontamination and sterilization of medical devices. Pure and Applied Chemistry, 2008, 80, 1939-1951.	0.9	32
133	Removal of immune-stimulatory components from surfaces by plasma discharges. Innate Immunity, 2008, 14, 89-97.	1.1	22
134	Direct fabrication of nanoscale bio-adhesive patterns by electron beam surface modification of plasma polymerized poly ethylene oxide-like coatings. Nanotechnology, 2008, 19, 125306.	1.3	15
135	Sterilization and decontamination of medical instruments by low pressure plasma discharges: Application of ternary mixtures. , 2008, , .		2
136	Fabrication of functional nano-patterned surfaces by a combination of plasma processes and electron-beam lithography. Nanotechnology, 2007, 18, 135303.	1.3	32
137	Large-area protein nano-arrays patterned by soft lithography. Nanotechnology, 2007, 18, 505306.	1.3	14
138	Investigation of stress-induced (100) platelet formation and surface exfoliation in plasma hydrogenated Si. Applied Physics Letters, 2007, 91, .	1.5	7
139	Single- and Few-Walled Carbon Nanotubes Grown at Temperatures as Low as 450 Â°C: Electrical and Field Emission Characterization. Journal of Nanoscience and Nanotechnology, 2007, 7, 3350-3353.	0.9	4
140	Plasma assisted production of chemical nano-patterns by nano-sphere lithography: application to bio-interfaces. Journal Physics D: Applied Physics, 2007, 40, 2341-2347.	1.3	42
141	Formation of Viscoelastic Protein Droplets on a Chemically Functionalized Surface. Journal of Physical Chemistry B, 2007, 111, 8713-8716.	1.2	4
142	Fabrication and Characterization of Plasma Processed Surfaces with Tuned Wettability. Langmuir, 2007, 23, 12984-12989.	1.6	46
143	Direct Nanopatterning of 3D Chemically Active Structures for Biological Applications. Advanced Materials, 2007, 19, 1947-1950.	11.1	34
144	Surface Characterization of Biopolymer Micropatterns Processed by Ion-Beam Modification and PECVD. Chemical Vapor Deposition, 2007, 13, 211-218.	1.4	8

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145	Surface and bioproperties of nanocrystalline diamond/amorphous carbon nanocomposite films. Thin Solid Films, 2007, 515, 8407-8411.	0.8	21
146	Thiolated polyethylene oxide as a non-fouling element for nano-patterned bio-devices. Applied Surface Science, 2007, 253, 4796-4804.	3.1	10
147	Electrogenerated indium tin oxide-coated glass surface with photosensitive interfaces: Surface analysis. Biosensors and Bioelectronics, 2007, 22, 2230-2236.	5.3	15
148	Assessment of cytotoxicity by impedance spectroscopy. Biosensors and Bioelectronics, 2007, 22, 3057-3063.	5.3	80
149	Online monitoring of BALB/3T3 metabolism and adhesion with multiparametric chip-based system. Analytical Biochemistry, 2007, 371, 92-104.	1.1	58
150	Cellular response to oxygen containing biomedical polymers modified by Ar and He implantation. Acta Biomaterialia, 2007, 3, 735-743.	4.1	15
151	Electrochemical properties of polymeric nanopatterned electrodes. Electrochemistry Communications, 2007, 9, 1833-1839.	2.3	10
152	Controlled micropatterning of biomolecules for cell culturing. Microelectronic Engineering, 2007, 84, 1733-1736.	1.1	24
153	Micro-patterned surfaces based on plasma modification of PEO-like coating for biological applications. Sensors and Actuators B: Chemical, 2007, 123, 283-292.	4.0	58
154	Real-time assessment of cytotoxicity by impedance measurement on a 96-well plate. Sensors and Actuators B: Chemical, 2007, 123, 769-778.	4.0	66
155	Development of a potentiometric biosensor based on nanostructured surface for lactate determination. Sensors and Actuators B: Chemical, 2007, 127, 606-612.	4.0	43
156	Micro-spot, UV and wetting patterning pathways for applications of biofunctional aminosilane-titanate coatings. Biomedical Microdevices, 2007, 9, 287-294.	1.4	12
157	Plasma-Based Processes for Surface Wettability Modification. Langmuir, 2006, 22, 3057-3061.	1.6	51
158	Fabrication of Polypyrrole-Based Nanoelectrode Arrays by Colloidal Lithography. Analytical Chemistry, 2006, 78, 7588-7591.	3.2	27
159	Effect of Low-Pressure Microwave Discharges on Pyrogen Bioactivity. IEEE Transactions on Plasma Science, 2006, 34, 2606-2610.	0.6	33
160	Immobilization of Antibodies on Biosensing Devices by Nanoarrayed Self-Assembled Monolayers. Langmuir, 2006, 22, 1763-1767.	1.6	49
161	Adhesion and elasticity in nanoscale indentation. Applied Physics Letters, 2006, 89, 243118.	1.5	53
162	Comparison of Impedance-based Sensors for Cell Adhesion Monitoring andIn VitroMethods for Detecting Cytotoxicity Induced by Chemicals. ATLA Alternatives To Laboratory Animals, 2006, 34, 515-525.	0.7	18

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163	Deposition of Nanobead Hexagonal Crystals Using Silicon Microcantilevers. Small, 2006, 2, 1444-1447.	5.2	3
164	Functional Micropatterned Surfaces by Combination of Plasma Polymerization and Lift-Off Processes. Plasma Processes and Polymers, 2006, 3, 30-38.	1.6	56
165	Plasma-Based De-Pyrogenization. Plasma Processes and Polymers, 2006, 3, 272-275.	1.6	22
166	Decontamination of Surfaces by Low Pressure Plasma Discharges. Plasma Processes and Polymers, 2006, 3, 431-442.	1.6	143
167	Surface Functionalization and Patterning Techniques to Design Interfaces for Biomedical and Biosensor Applications. Plasma Processes and Polymers, 2006, 3, 443-455.	1.6	73
168	Fouling and non-fouling surfaces produced by plasma polymerization of ethylene oxide monomer. Acta Biomaterialia, 2006, 2, 165-172.	4.1	114
169	Dry etching of ITO by magnetic pole enhanced inductively coupled plasma for display and biosensing devices. Applied Surface Science, 2006, 252, 3861-3870.	3.1	19
170	Ion beam induced crystal-edge nanoclusters at the origin of poly(ethylene glycol) film stabilization. Applied Surface Science, 2006, 253, 810-813.	3.1	2
171	Microstructural evolution of allylamine polymerized plasma films. Surface and Coatings Technology, 2006, 200, 5902-5907.	2.2	36
172	Cleaning and Hydrophilization of Atomic Force Microscopy Silicon Probes. Journal of Physical Chemistry B, 2006, 110, 25975-25981.	1.2	67
173	Surface functionalisation of polypyrrole films using UV light induced radical activation. Applied Surface Science, 2006, 252, 4397-4401.	3.1	30
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