Giovanni Marletta

List of Publications by Year
in descending order

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170	4,299	101384	168136
papers	citations	36 h-index	53 g-index

175	175	175	5350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrospun Chitosan Functionalized with C12, C14 or C16 Tails for Blood-Contacting Medical Devices. Gels, 2022, 8, 113.	2.1	1
2	Porphyrin-Based Supramolecular Flags in the Thermal Gradientsâ€™ Wind: What Breaks the Symmetry, How and Why. Nanomaterials, 2021, 11, 1673.	1.9	7
3	Tuning the randomization of lamellar orientation in poly(3-hexylthiophene) thin films with substrate nano-curvature. Polymer, 2021, 230, 124071.	1.8	4
4	From nanoaggregates to mesoscale ribbons: the multistep self-organization of amphiphilic peptides. Nanoscale Advances, 2021, 3, 3605-3614.	2.2	3
5	EAK Hydrogels Cross-Linked by Disulfide Bonds: Cys Number and Position Are Matched to Performances. ACS Biomaterials Science and Engineering, 2020, 6, 1154-1164.	2.6	7
6	Polymer Crystallization on Nanocurved Substrates: Distortion Versus Dewetting. Journal of Physical Chemistry C, 2019, 123, 8967-8974.	1.5	3
7	Molecular Sponge: pH-Driven Reversible Squeezing of Stimuli-Sensitive Peptide Monolayers. Langmuir, 2019, 35, 4813-4824.	1.6	7
8	3D Synthetic Peptide-based Architectures for the Engineering of the Enteric Nervous System. Scientific Reports, 2019, 9, 5583.	1.6	25
9	In situ structure and force characterization of 2D nano-colloids at the air/water interface. Soft Matter, 2019, 15, 8475-8482.	1.2	10
10	Orienting proteins by nanostructured surfaces: evidence of a curvature-driven geometrical resonance. Nanoscale, 2018, 10, 7544-7555.	2.8	7
11	Reactive messengers for digital molecular communication with variable transmitterâ€“receiver distance. Physical Chemistry Chemical Physics, 2018, 20, 30312-30320.	1.3	17
12	Single fibres of pyro-electrospinned PVDF-HFP/MWCNT unveal high electrical conductivity. Polymer, 2018, 159, 157-161.	1.8	5
13	Driving Coordination Polymer Monolayer Formation by Competitive Reactions at the Air/Water Interface. Langmuir, 2018, 34, 11706-11713.	1.6	6
14	Energy-sustained reversible nanoscale order and conductivity increase in polymer thin films. Polymer, 2018, 153, 344-353.	1.8	1
15	Serum Protein-Resistant Behavior of Multisite-Bound Poly(ethylene glycol) Chains on Iron Oxide Surfaces. ACS Omega, 2017, 2, 1309-1320.	1.6	25
16	Probing the Cleaning of Polymeric Coatings by Nanostructured Fluids: A QCM-D Study. Langmuir, 2017, 33, 5675-5684.	1.6	31
17	Fluorescent Quantum Dots Make Feasible Long-Range Transmission of Molecular Bits. Journal of Physical Chemistry Letters, 2017, 8, 3861-3866.	2.1	24
18	Design of Decorated Self-Assembling Peptide Hydrogels as Architecture for Mesenchymal Stem Cells. Materials, 2016, 9, 727.	1.3	32

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19	Preparation and enhanced conducting properties of open networks of poly(3-hexylthiophene)/carbon nanotube hybrids. RSC Advances, 2016, 6, 51485-51492.	1.7	6
20	Electrospun Scaffolds for Osteoblast Cells: Peptide-Induced Concentration-Dependent Improvements of Polycaprolactone. PLoS ONE, 2015, 10, e0137505.	1.1	32
21	Chelating Surfaces for Native State Proteins Patterning: The Human Serum Albumin Case. ACS Applied Materials & Interfaces, 2015, 7, 23353-23363.	4.0	9
22	Single-step label-free hepatitis B virus detection by a piezoelectric biosensor. RSC Advances, 2015, 5, 38152-38158.	1.7	38
23	Mixed zirconia calcium phosphate coatings for dental implants: Tailoring coating stability and bioactivity potential. Materials Science and Engineering C, 2015, 48, 337-346.	3.8	54
24	Enzyme-assisted calcium phosphate biomineralization on an inert alumina surface. Acta Biomaterialia, 2015, 13, 335-343.	4.1	20
25	Characterization of Wet Powder-Sprayed Zirconia/Calcium Phosphate Coating for Dental Implants. Clinical Implant Dentistry and Related Research, 2015, 17, 186-198.	1.6	28
26	Impact of selective fibronectin nanoconfinement on human dental pulp stem cells. Colloids and Surfaces B: Biointerfaces, 2014, 123, 39-48.	2.5	17
27	Micro-patterned nanoscale Au films on PMMA: fabrication and effect of PMMA dewetting on Au patterning. Journal of Materials Science: Materials in Electronics, 2014, 25, 1138-1147.	1.1	1
28	Preventing Corona Effects: Multiphosphonic Acid Poly(ethylene glycol) Copolymers for Stable Stealth Iron Oxide Nanoparticles. Biomacromolecules, 2014, 15, 3171-3179.	2.6	71
29	Driving hâ€osteoblast adhesion and proliferation on titania: peptide hydrogels decorated with growth factors and adhesive conjugates. Journal of Peptide Science, 2014, 20, 585-594.	0.8	19
30	Structureâ€“Rheology Relationship in Weakly Amphiphilic Block Copolymer Langmuir Monolayers. Langmuir, 2014, 30, 3345-3353.	1.6	18
31	Mechanisms underlying the attachment and spreading of human osteoblasts: From transient interactions to focal adhesions on vitronectin-grafted bioactive surfaces. Acta Biomaterialia, 2013, 9, 6105-6115.	4.1	41
32	Tensile properties, thermal and morphological analysis of thermoplastic polyurethane films reinforced with multiwalled carbon nanotubes. European Polymer Journal, 2013, 49, 3155-3164.	2.6	38
33	Pores Versus Fibrils: Calcium Ions Regulate Different IAPP-Mediated Membrane Damage Mechanisms. Biophysical Journal, 2013, 104, 395a.	0.2	1
34	Enhanced crystallinity and film retention of P3HT thin-films for efficient organic solar cells by use of preformed nanofibers in solution. Journal of Materials Chemistry C, 2013, 1, 7748.	2.7	34
35	Novel pH responsive calix[8]arene hydrogelators: self-organization processes at a nanometric scale. Chemical Communications, 2013, 49, 2530.	2.2	15
36	Cations as Switches of Amyloid-Mediated Membrane Disruption Mechanisms: Calcium and IAPP. Biophysical Journal, 2013, 104, 173-184.	0.2	103

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37	Laminin Adsorption on Nanostructures: Switching the Molecular Orientation by Local Curvature Changes. Langmuir, 2013, 29, 8335-8342.	1.6	26
38	Polymer/metal hybrid multilayers modified Schottky devices. Applied Physics Letters, 2013, 103, 193117.	1.5	8
39	Hyaluronan-based pericellular matrix: substrate electrostatic charges and early cell adhesion events. , 2013, 26, 133-149.		22
40	Patterning of templated-confined nanoscale Au films by thermal-induced dewetting process of a poly(methylmethacrylate) underlying layer. Journal of Applied Physics, 2012, 112, 124316.	1.1	12
41	Coadsorption-dependent orientation of fibronectin epitopes at hydrophilic gold surfaces. Soft Matter, 2012, 8, 8370.	1.2	18
42	Electroactive functional hybrid layered nanocomposites. , 2012, , .		2
43	Extended-Chain Induced Bulk Morphologies Occur at Surfaces of Thin Co-Oligomer Films. Macromolecules, 2012, 45, 4740-4748.	2.2	15
44	Interfacial Free Energy Driven Nanophase Separation in Poly(3-hexylthiophene)/[6,6]-Phenyl-C61-butyric Acid Methyl Ester Thin Films. Langmuir, 2012, 28, 5257-5266.	1.6	22
45	Microcapillary-like structures prompted by phospholipase A2 activation in endothelial cells and pericytes co-cultures on a polyhydroxymethylsiloxane thin film. Biochimie, 2012, 94, 1860-1870.	1.3	2
46	Multiscale characterization of a chimeric biomimetic polypeptide for stem cell culture. Bioinspiration and Biomimetics, 2012, 7, 046007.	1.5	18
47	Effects of the embedding kinetics on the surface nano-morphology of nano-grained Au and Ag films on PS and PMMA layers annealed above the glass transition temperature. Applied Physics A: Materials Science and Processing, 2012, 107, 669-683.	1.1	38
48	Fibronectin Conformation Switch Induced by Coadsorption with Human Serum Albumin. Langmuir, 2011, 27, 312-319.	1.6	28
49	Controlled Density Patterning of Tolylterpyridine-Tagged Oligonucleotides. Langmuir, 2011, 27, 8595-8599.	1.6	12
50	Design and Production of a Chimeric Resilin-, Elastin-, and Collagen-Like Engineered Polypeptide. Biomacromolecules, 2011, 12, 2957-2965.	2.6	90
51	How the Surface Nanostructure of Polyethylene Affects Protein Assembly and Orientation. ACS Nano, 2011, 5, 3120-3131.	7.3	37
52	Growth morphology of nanoscale sputter-deposited Au films on amorphous soft polymeric substrates. Applied Physics A: Materials Science and Processing, 2011, 103, 939-949.	1.1	68
53	Atomic force microscopy investigation of the kinetic growth mechanisms of sputtered nanostructured Au film on mica: towards a nanoscale morphology control. Nanoscale Research Letters, 2011, 6, 112.	3.1	41
54	Memory effects in annealed hybrid gold nanoparticles/block copolymer bilayers. Nanoscale Research Letters, 2011, 6, 167.	3.1	20

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55	ToFâ€SIMS imaging of surface selfâ€organized fractal patterns of bacteria. Surface and Interface Analysis, 2011, 43, 370-375.	0.8	3
56	Crystalline Monolayer Ordering at Substrate/Polymer Interfaces in Poly(3â€hexylthiophene) Ultrathin Films. Macromolecular Chemistry and Physics, 2011, 212, 905-914.	1.1	25
57	Spatial Patterns of Microbial Retention on Polymer Surfaces. Journal of Adhesion Science and Technology, 2011, 25, 2255-2280.	1.4	5
58	Kinetic growth mechanisms of sputter-deposited Au films on mica: from nanoclusters to nanostructured microclusters. Applied Physics A: Materials Science and Processing, 2010, 100, 7-13.	1.1	36
59	Selfâ€Assembling Pathway of HiApp Fibrils within Lipid Bilayers. ChemBioChem, 2010, 11, 1856-1859.	1.3	38
60	Chemical imaging of self-assembling structures in Langmuirâ€“Blodgett films of polymer blends. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 49-54.	1.7	9
61	Developing Langmuirâ€“Blodgett strategies towards practical devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 43-48.	1.7	49
62	Evaluation of Plasma Modified Polycaprolactone Honeycomb Scaffolds by Human Mesenchymal Stem Cells Cultured in Vitamin D Differentiation Medium. Plasma Processes and Polymers, 2010, 7, 794-801.	1.6	10
63	Application of hybrid agaroseâ€aminosilane gels to the biofunctionalization of honeycombâ€structured polycaprolactone scaffolds. Surface and Interface Analysis, 2010, 42, 448-451.	0.8	3
64	Functionalization of Oxide Surfaces by Terpyridine Phosphonate Ligands: Surface Reactions and Anchoring Geometry. Langmuir, 2010, 26, 8400-8406.	1.6	86
65	Taming Complexity: From Supramolecules to Suprafunctions. Advanced Materials, 2009, 21, 1037-1040.	11.1	0
66	A multitechnique study of preferential protein adsorption on hydrophobic and hydrophilic plasma-modified polymer surfaces. Colloids and Surfaces B: Biointerfaces, 2009, 70, 76-83.	2.5	54
67	Aminofunctionalization and sub-micrometer patterning on silicon through silane doped agarose hydrogels. Journal of Materials Chemistry, 2009, 19, 5226.	6.7	16
68	LB FILMS BASED ON PHOSPHOLIPIDS: SELF-ORGANIZATION AND DOMAIN FORMATION. , 2009, , .		0
69	Ion-Beam Modification of Polymer Surfaces for Biological Applications. Topics in Applied Physics, 2009, , 345-369.	0.4	8
70	Thermoresponsive and bioactive poly(vinyl ether)-based hydrogels synthesized by radiation copolymerization and photochemical immobilization. Radiation Physics and Chemistry, 2008, 77, 154-161.	1.4	8
71	Oxygen plasmaâ€induced conversion of polysiloxane into hydrophilic and smooth SiO_x surfaces. Surface and Interface Analysis, 2008, 40, 649-656.	0.8	28
72	Enhancement of fibroblastic proliferation on chitosan surfaces by immobilized epidermal growth factor. Acta Biomaterialia, 2008, 4, 989-996.	4.1	47

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73	ToF-SIMS investigation of FIB-patterning of lactoferrin by using self-assembled monolayers of iron complexes. Applied Surface Science, 2008, 255, 1075-1078.	3.1	15
74	Confined protein adsorption into nanopore arrays fabricated by colloidal-assisted polymer patterning. Chemical Communications, 2008, , 5031.	2.2	15
75	UV-O3-treated and protein-coated polymer surfaces facilitate endothelial cell adhesion and proliferation mediated by the PKCÎ±/ERK/cPLA2 pathway. Microvascular Research, 2008, 75, 330-342.	1.1	8
76	Theoretical and Experimental Study on a Self-Assembling Polysaccharide Forming Nanochannels: Static and Dynamic Effects Induced by a Soft Confinement. Journal of Physical Chemistry B, 2008, 112, 6473-6483.	1.2	20
77	Self-organizing models of bacterial aggregation states. Mathematical Biosciences and Engineering, 2008, 5, 75-83.	1.0	6
78	Evaluation of L929 fibroblast attachment and proliferation on Arg-Gly-Asp-Ser (RGDS)-immobilized chitosan in serum-containing/serum-free cultures. Journal of Bioscience and Bioengineering, 2007, 104, 69-77.	1.1	45
79	Patterning of lactoferrin using functional SAMs of iron complexes. Chemical Communications, 2007, , 2621.	2.2	22
80	Scanning force microscopy and optical spectroscopy of phase-segregated thin films of poly(9,9â€²-dioctylfluorene-alt-benzothiadiazole) and poly(ethylene oxide). Journal of Materials Chemistry, 2007, 17, 1387-1391.	6.7	16
81	Molecular Modeling of Oligopeptide Adsorption onto Functionalized Quartz Surfaces. Journal of Physical Chemistry B, 2007, 111, 11237-11243.	1.2	15
82	Surface characteristics of ionically crosslinked chitosan membranes. Journal of Applied Polymer Science, 2007, 106, 3884-3888.	1.3	28
83	Phase Segregation in Thin Films of Conjugated Polyrotaxaneâ€“ Poly(ethylene oxide) Blends: A Scanning Force Microscopy Study. Advanced Functional Materials, 2007, 17, 927-932.	7.8	16
84	Improved osteogenic differentiation of human marrow stromal cells cultured on ion-induced chemically structured poly-Îµ-caprolactone. Biomaterials, 2007, 28, 1132-1140.	5.7	75
85	Expression of cell adhesion receptors in human osteoblasts cultured on biofunctionalized poly-(Îµ-caprolactone) surfaces. Biomaterials, 2007, 28, 3668-3678.	5.7	40
86	Self-assembled peptide monolayers on interdigitated gold microelectrodes. Materials Science and Engineering C, 2007, 27, 1309-1312.	3.8	18
87	Relationship between the fibroblastic behaviour and surface properties of RGD-immobilized PCL membranes. Journal of Materials Science: Materials in Medicine, 2007, 18, 317-319.	1.7	14
88	Molecular Modeling of Interactions betweenl-Lysine and Functionalized Quartz Surfaces. Journal of Physical Chemistry B, 2006, 110, 4836-4845.	1.2	26
89	Human bone marrow stromal cells: In vitro expansion and differentiation for bone engineering. Biomaterials, 2006, 27, 6150-6160.	5.7	97
90	Static and dynamic features of a helical hexapeptide chemisorbed on a gold surface. Materials Science and Engineering C, 2006, 26, 918-923.	3.8	16

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91	Bacterial adhesion onto nanopatterned polymer surfaces. Materials Science and Engineering C, 2006, 26, 942-946.	3.8	37
92	Comparison between angular dependent NEXAFS analysis and theoretical calculations of molecular orientation of new functional mixed aromatic molecules deposited onto Au/Si(111). Nuclear Instruments & Methods in Physics Research B, 2006, 246, 145-150.	0.6	18
93	Viscoelastic properties of insoluble amphiphiles at the air/water interface. Journal of Colloid and Interface Science, 2006, 296, 269-275.	5.0	14
94	Densely-packed self-assembled monolayers on gold surfaces from a conformationally constrained helical hexapeptide. Surface Science, 2006, 600, 409-416.	0.8	27
95	Electric-Field-Assisted Alignment of Supramolecular Fibers. Advanced Materials, 2006, 18, 1276-1280.	11.1	90
96	Fast exopolysaccharide secretion of Pseudomonas aeruginosa on polar polymer surfaces. Journal of Colloid and Interface Science, 2005, 289, 386-393.	5.0	21
97	The effect of irradiation modification and RGD sequence adsorption on the response of human osteoblasts to polycaprolactone. Biomaterials, 2005, 26, 4793-4804.	5.7	69
98	Supramolecular Complexes of Conjugated Polyelectrolytes with Poly(ethylene oxide): Multifunctional Luminescent Semiconductors Exhibiting Electronic and Ionic Transport. Advanced Materials, 2005, 17, 2659-2663.	11.1	91
99	Temperature and pressure dependence of quercetin-3-O-palmitate interaction with a model phospholipid membrane: film balance and scanning probe microscopy study. Journal of Colloid and Interface Science, 2004, 271, 329-335.	5.0	13
100	Molecular Modeling of Interactions betweenl-Lysine and a Hydroxylated Quartz Surface. Journal of Physical Chemistry B, 2004, 108, 2600-2607.	1.2	51
101	Growth of ordered poly(ethylene-oxide) thin films from solutions: an SFM study. Synthetic Metals, 2004, 147, 123-125.	2.1	3
102	Pericyte adhesion and growth onto polyhydroxymethylsiloxane surfaces nanostructured by plasma treatment and ion irradiation. Microvascular Research, 2004, 68, 209-220.	1.1	20
103	LANGMUIR-SCHAEFER FILMS OF A NEW CALIX[4]PYRROLE-BASED MACROCYCLE EXHIBITING INDUCED CHIRALITY UPON DIFFERENTIATED BINDING WITH CHIRAL ALCOHOL VAPOURS. , 2004, , .		0
104	Protein adsorption and fibroblast adhesion on irradiated polysiloxane surfaces. Journal of Materials Science: Materials in Medicine, 2003, 14, 663-670.	1.7	14
105	Surface free energy and cell attachment onto ion-beam irradiated polymer surfaces. Nuclear Instruments & Methods in Physics Research B, 2003, 208, 287-293.	0.6	43
106	Title is missing!. Nuclear Instruments & Methods in Physics Research B, 2003, 209, vii-viii.	0.6	1
107	Ion beam induced nanometric structure and oligopeptide adsorption on patterned polymer surfaces. Materials Science and Engineering C, 2003, 23, 779-786.	3.8	16
108	SPM and TOF-SIMS investigation of the physical and chemical modification induced by tip writing of self-assembled monolayers. Materials Science and Engineering C, 2003, 23, 7-12.	3.8	42

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109	Self-Organizing Fiberlike Nanostructures and Wrapping-Up Processes in Langmuirâ"Blodgett Films. Langmuir, 2003, 19, 5912-5917.	1.6	20
110	Langmuirâ€"SchÃfer films of a new calix[4]pyrrole-based macrocycle exhibiting induced chirality upon binding with chiral alcohol vapours. New Journal of Chemistry, 2003, 27, 615.	1.4	16
111	Cell adhesion and spreading on polymer surfaces micropatterned by ion beams. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1145-1151.	0.9	20
112	Dynamic scanning force microscopy investigation of nanostructured spiral-like domains in LangmuirÂBlodgett monolayers. Nanotechnology, 2003, 14, 245-249.	1.3	22
113	Differential Cultured Fibroblast Behavior on Plasma and Ion-Beam-Modified Polysiloxane Surfaces. Langmuir, 2002, 18, 9469-9475.	1.6	41
114	High-energy ion-beam-induced modification of the optical properties of polysiloxane films. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 772-777.	0.6	13
115	Structural study of meso-octaethylcalix[4]pyrrole Langmuirâ€"Blodgett films used as gas sensors. Materials Science and Engineering C, 2002, 19, 27-31.	3.8	9
116	From micro- to nanometric scale patterning by Langmuirâ€"Blodgett technique. Materials Science and Engineering C, 2002, 22, 177-181.	3.8	9
117	Human serum albumin adsorption onto a-SiC:H and a-C:H thin films deposited by plasma enhanced chemical vapor deposition. New Biotechnology, 2002, 19, 85-90.	2.7	15
118	Adhesion properties on nanometric scale of silicon oxide and silicon nitride surfaces modified by 1-octadecene. Surface and Interface Analysis, 2002, 33, 54-58.	0.8	23
119	Surface Chemical Structure and Cell Adhesion onto Ion Beam Modified Polysiloxane. Langmuir, 2001, 17, 2243-2250.	1.6	65
120	Nanoscale organization of human serum albumin at model cytocompatible surfaces. Materials Science and Engineering C, 2001, 15, 245-248.	3.8	3
121	Title is missing!. Journal of Materials Science Letters, 2001, 20, 663-665.	0.5	17
122	Study of albumin adsorption on ion beam irradiated polymer surfaces. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 782-787.	0.6	19
123	XPS study of radiation-induced modification of poly(butene-1-sulfone): Dependence on the energy deposition mechanism. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 676-681.	0.6	11
124	Spectroscopic evidence for adsorption-induced polymerisation of terthiophene at silver surfaces. Physical Chemistry Chemical Physics, 2000, 2, 5298-5301.	1.3	13
125	X-ray photoelectron spectroscopy study of bombardment-induced compositional changes in ZrO2, SiO2, and ZrSiO4. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 2771-2778.	0.9	25
126	Cell adhesion on low-energy ion beam-irradiated polysiloxane surfaces. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 1079-1084.	0.6	22

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127	Structural modifications and electrical properties in ion-irradiated polyimide. Nuclear Instruments & Methods in Physics Research B, 1999, 151, 101-108.	0.6	38
128	Adsorption-induced conformational transition in 2,2â€²-bipyridine on silver surfaces: a surface-enhanced Raman scattering study. Journal of Raman Spectroscopy, 1999, 30, 1067-1071.	1.2	20
129	Optical properties of ceramic-like layers obtained by low energy ion beam irradiation of polysiloxane films. Nuclear Instruments & Methods in Physics Research B, 1998, 141, 684-692.	0.6	19
130	Nanoscale in-depth modification of Crî—¸Oî—¸Si layers. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 510-513.	0.6	5
131	Modification of gas separation membranes on a nanometric scale. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 547-549.	0.6	10
132	Improved cell adhesion to ion beam-irradiated polymer surfaces. Biomaterials, 1997, 18, 1461-1470.	5.7	94
133	He+ and Ar+ bombardment induced chemical changes in Crî—¸Oî—¸Si layers. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 200-206.	0.6	8
134	Chemical selectivity and energy transfer mechanisms in the radiation-induced modification of polyethersulphone. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 246-252.	0.6	20
135	Ion beam induced chemical effects in organosilicon polymers. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 299-304.	0.6	24
136	Ion beam induced reduction of metallic cations in yttria-zirconia. Nuclear Instruments & Methods in Physics Research B, 1996, 116, 440-446.	0.6	40
137	Particle-beam treatment of organosilicon gas separation membranes: A novel way of controlling their mass transport properties. Journal of Applied Polymer Science, 1996, 60, 1883-1889.	1.3	19
138	Wear effects in retrieved acetabular UHMW-PE cups. Journal of Materials Science: Materials in Medicine, 1996, 7, 723-729.	1.7	11
139	Effects of ionizations and displacements on the hardness and optical absorption of some ion irradiated polymers. Nuclear Instruments & Methods in Physics Research B, 1995, 105, 192-196.	0.6	18
140	Chemical and Physical Property Modifications Induced by Ion Irradiation in Polymers. , 1995, , 597-640.		34
141	ADXPS study of the chemical structure of polyamic acid/ and polyimide/Ni interfaces. Applied Surface Science, 1994, 74, 27-36.	3.1	1
142	Effect of ion bombardment on Crî—¸Siî—¸O layers: an X-ray photoelectron spectroscopic study. Thin Solid Films, 1994, 241, 211-217.	0.8	7
143	Heat-induced versus particle-beam-induced chemistry in polyimide. Nuclear Instruments & Methods in Physics Research B, 1993, 80-81, 1045-1049.	0.6	17
144	Particle beam-induced reactions versus thermal degradation in PMDA-ODA polyimide. Macromolecules, 1992, 25, 3190-3198.	2.2	34

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145	Optical properties from reflection electron energy loss spectroscopy. Thin Solid Films, 1992, 207, 313-318.	0.8	13
146	Energy deposition mechanisms and radiation induced reactions in PMDA-ODA polyimide. Nuclear Instruments & Methods in Physics Research B, 1992, 65, 50-54.	0.6	25
147	X-ray, electron, and ion beam induced modifications of poly(ether sulfone). Macromolecules, 1991, 24, 99-105.	2.2	45
148	Interfacial reactions in polyimide/metal systems. Journal of Materials Research, 1991, 6, 861-870.	1.2	23
149	Chemical reactions and physical property modifications induced by keV ion beams in polymers. Nuclear Instruments & Methods in Physics Research B, 1990, 46, 295-305.	0.6	237
150	Chemical reactions induced in polymers by keV ions, electrons and photons. Surface and Interface Analysis, 1990, 16, 407-411.	0.8	86
151	Reflection electron energy loss spectroscopy of keV bombarded polystyrene at high ion fluences. Nuclear Instruments & Methods in Physics Research B, 1989, 37-38, 712-715.	0.6	23
152	Reflection electron energy loss spectroscopy (REELS) of conductive polymers obtained by keV bombardment. Nuclear Instruments & Methods in Physics Research B, 1989, 39, 773-777.	0.6	29
153	Correlation between the modification of the chemical structure and the electrical properties of Ar-ion bombarded polyimide. Nuclear Instruments & Methods in Physics Research B, 1989, 39, 792-795.	0.6	38
154	Hydrogenated amorphous carbon synthesis by ion beam irradiation. Applied Surface Science, 1989, 43, 228-231.	3.1	19
155	Xps Study of the Interface of Polyimide on Cr and Ni.. Materials Research Society Symposia Proceedings, 1989, 153, 273.	0.1	2
156	Chemical Effects Induced by Low-Energy Particle Beams in Fluorozirconate Glasses. Materials Research Society Symposia Proceedings, 1989, 152, 143.	0.1	0
157	XPS Study of the Interface of Polyimide on Cr And Ni.. Materials Research Society Symposia Proceedings, 1989, 154, 317.	0.1	0
158	Esca and reels characterization of electrically conductive polyimide obtained by ion bombardment in the keV range. Surface and Interface Analysis, 1988, 12, 447-454.	0.8	90
159	Structural properties of thermal evaporated SnTe thin films. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 463-471.	0.4	1
160	Cation dependence of the chemical modifications induced by low energy particle bombardment on inorganic salts: An XPS study. Nuclear Instruments & Methods in Physics Research B, 1988, 32, 204-210.	0.6	16
161	Na-surface segregation and oxygen depletion in particle bombardment of alkaline glasses. Nuclear Instruments & Methods in Physics Research B, 1988, 32, 283-287.	0.6	21
162	Chemical factors governing the modification of layered phosphates by low-energy ion bombardment. Nuclear Instruments & Methods in Physics Research B, 1987, 19-20, 1013-1017.	0.6	5

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163	Radiation-enhanced diffusion of Na in alkaline glasses. Journal of Non-Crystalline Solids, 1986, 83, 344-352.	1.5	15
164	Chemical effects induced in alkali Phosphates by 2 keV Ar ion bombardment. Radiation Effects, 1986, 99, 121-132.	0.4	4
165	Electronic excitations in solid ZrO2 from reflection EELS and ESCA multipeak structures. Chemical Physics Letters, 1986, 124, 414-419.	1.2	19
166	Binary collisions inducing chemical reactions in 2 keV Ar+ sputtering of Zr and Ti phosphates. Chemical Physics, 1985, 97, 421-431.	0.9	11
167	XPS investigation of the effects induced by the silanization on real glass surfaces. Journal of Non-Crystalline Solids, 1984, 68, 219-230.	1.5	17
168	Reactions induced by ion bombardment of solid cyclohexane at 77 K. Chemical Physics, 1983, 75, 417-423.	0.9	19
169	Oxygen depletion in electron beam bombarded glass surfaces studied by XPS. Journal of Non-Crystalline Solids, 1983, 55, 433-442.	1.5	22
170	Enhancement of shake-up structure in alkali-metal-ion exchanged forms of Î±-Zr(HPO4)2 by sputtering. Journal of Electron Spectroscopy and Related Phenomena, 1982, 25, 49-57.	0.8	6