Robert D Short

List of Publications by Year
in descending order

166 papers	7,135 citations	36203 51 h-index	76769 74 g-index
169 all docs	169 docs citations	169 times ranked	5755 citing authors

#	Article	IF	Citations
1	On Plasma Fractionation Treatment and Its Implications in Cells. IEEE Transactions on Radiation and Plasma Medical Sciences, 2023, 7, 96-102.	2.7	0
2	Assessing the inflammatory response to in vitro polymicrobial wound biofilms in a skin epidermis model. Npj Biofilms and Microbiomes, 2022, 8, 19.	2.9	9
3	The influence of a second ground electrode on hydrogen peroxide production from an atmospheric pressure argon plasma jet and correlation to antibacterial efficacy and mammalian cell cytotoxicity. Journal Physics D: Applied Physics, 2022, 55, 125207.	1.3	13
4	Oxidative Stress Pathways Linked to Apoptosis Induction by Low-Temperature Plasma Jet Activated Media in Bladder Cancer Cells: An In Vitro and In Vivo Study. Plasma, 2022, 5, 233-246.	0.7	5
5	Rational approaches for optimizing chemical functionality of plasma polymers: A case study with ethyl trimethylacetate. Plasma Processes and Polymers, 2021, 18, 2000195.	1.6	3
6	Enhancement of hydrogen peroxide production from an atmospheric pressure argon plasma jet and implications to the antibacterial activity of plasma activated water. Plasma Sources Science and Technology, 2021, 30, 035009.	1.3	58
7	On-demand cold plasma activation of acetyl donors for bacteria and virus decontamination. Applied Physics Letters, 2021, 119, .	1.5	18
8	Assessment of mutations induced by cold atmospheric plasma jet treatment relative to known mutagens in <i>Escherichia coli</i>. Mutagenesis, 2021, 36, 380-387.	1.0	3
9	On cold atmospheric-pressure plasma jet induced DNA damage in cells. Journal Physics D: Applied Physics, 2021, 54, 035203.	1.3	17
10	Plasma polymerization of (2,2,6,6-tetramethylpiperidin-1-yl)oxyl in a collisional, capacitively coupled radio frequency discharge. Biointerphases, 2020, 15, 061007.	0.6	1
11	How membrane lipids influence plasma delivery of reactive oxygen species into cells and subsequent DNA damage: an experimental and computational study. Physical Chemistry Chemical Physics, 2019, 21, 19327-19341.	1.3	28
12	The role of UV photolysis and molecular transport in the generation of reactive species in a tissue model with a cold atmospheric pressure plasma jet. Applied Physics Letters, 2019, 114, .	1.5	69
13	The Physics of Plasma Ion Chemistry: A Case Study of Plasma Polymerization of Ethyl Acetate. Journal of Physical Chemistry Letters, 2019, 10, 7306-7310.	2.1	3
14	Reaction-based indicator displacement assay (RIA) for the development of a triggered release system capable of biofilm inhibition. Chemical Communications, 2019, 55, 15129-15132.	2.2	12
15	Modulating the concentrations of reactive oxygen and nitrogen species and oxygen in water with helium and argon gas and plasma jets. Japanese Journal of Applied Physics, 2019, 58, SAAB01.	0.8	25
16	Promiscuous hydrogen in polymerising plasmas. Physical Chemistry Chemical Physics, 2018, 20, 7033-7042.	1.3	10
17	Immobilization of vitronectinâ€binding heparan sulfates onto surfaces to support human pluripotent stem cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1887-1896.	1.6	2
18	Tracking the Penetration of Plasma Reactive Species in Tissue Models. Trends in Biotechnology, 2018, 36, 594-602.	4.9	90

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19	Cell sheets in cell therapies. Cytotherapy, 2018, 20, 169-180.	0.3	22
20	Modelling the helium plasma jet delivery of reactive species into a 3D cancer tumour. Plasma Sources Science and Technology, 2018, 27, 014001.	1.3	57
21	UVâ€“vis spectroscopy study of plasma-activated water: Dependence of the chemical composition on plasma exposure time and treatment distance. Japanese Journal of Applied Physics, 2018, 57, 0102B9.	0.8	62
22	Development of Advanced Dressings for the Delivery of Progenitor Cells. ACS Applied Materials & Interfaces, 2017, 9, 3445-3454.	4.0	12
23	Electrical and optical properties of a gradient microplasma for microfluidic chips. Plasma Processes and Polymers, 2017, 14, 1600194.	1.6	2
24	Synthesis of highly functionalised plasma polymer films from protonated precursor ions <i>via</i> the plasma Î±â€“Î³ transition. Physical Chemistry Chemical Physics, 2017, 19, 5637-5646.	1.3	13
25	The assessment of cold atmospheric plasma treatment of DNA in synthetic models of tissue fluid, tissue and cells. Journal Physics D: Applied Physics, 2017, 50, 274001.	1.3	21
26	Genotoxicity and cytotoxicity of the plasma jet-treated medium on lymphoblastoid WIL2-NS cell line using the cytokinesis block micronucleus cytome assay. Scientific Reports, 2017, 7, 3854.	1.6	21
27	Microplasma jet treatment of bovine serum albumin coatings for controlling enzyme and cell attachment. European Physical Journal: Special Topics, 2017, 226, 2873-2885.	1.2	3
28	Microplasma Array Patterning of Reactive Oxygen and Nitrogen Species onto Polystyrene. Frontiers in Physics, 2017, 5, .	1.0	0
29	Mass Spectrometry Analysis of the Real-Time Transport of Plasma-Generated Ionic Species Through an Agarose Tissue Model Target. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 317-323.	0.1	3
30	Plasma Polymer and Biomolecule Modification of 3D Scaffolds for Tissue Engineering. Plasma Processes and Polymers, 2016, 13, 678-689.	1.6	20
31	Where physics meets chemistry: Thin film deposition from reactive plasmas. Frontiers of Chemical Science and Engineering, 2016, 10, 441-458.	2.3	20
32	How plasma induced oxidation, oxygenation, and de-oxygenation influences viability of skin cells. Applied Physics Letters, 2016, 109, .	1.5	25
33	How to assess the plasma delivery of RONS into tissue fluid and tissue. Journal Physics D: Applied Physics, 2016, 49, 304005.	1.3	81
34	Haptotatic Plasma Polymerized Surfaces for Rapid Tissue Regeneration and Wound Healing. ACS Applied Materials & Interfaces, 2016, 8, 32675-32687.	4.0	9
35	Hyperthermal Intact Molecular Ions Play Key Role in Retention of ATRP Surface Initiation Capability of Plasma Polymer Films from Ethyl Î±-Bromoisobutyrate. ACS Applied Materials & Interfaces, 2016, 8, 16493-16502.	4.0	16
36	Fabrication and Characterization of a Porous Silicon Drug Delivery System with an Initiated Chemical Vapor Deposition Temperature-Responsive Coating. Langmuir, 2016, 32, 301-308.	1.6	53

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37	In-situ UV Absorption Spectroscopy for Monitoring Transport of Plasma Reactive Species through Agarose as Surrogate for Tissue. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 439-444.	0.1	33
38	Combined effect of protein and oxygen on reactive oxygen and nitrogen species in the plasma treatment of tissue. Applied Physics Letters, 2015, 107, .	1.5	58
39	The hormesis effect of plasma-elevated intracellular ROS on HaCaT cells. Journal Physics D: Applied Physics, 2015, 48, 495401.	1.3	16
40	Slow Molecular Transport of Plasma-Generated Reactive Oxygen and Nitrogen Species and O2 through Agarose as a Surrogate for Tissue. Plasma Medicine, 2015, 5, 125-143.	0.2	29
41	On the effect of serum on the transport of reactive oxygen species across phospholipid membranes. Biointerphases, 2015, 10, 029511.	0.6	33
42	Plasma Parameter Aspects in the Fabrication of Stable Amine Functionalized Plasma Polymer Films. Plasma Processes and Polymers, 2015, 12, 817-826.	1.6	23
43	Surface protein gradients generated in sealed microchannels using spatially varying helium microplasma. Biomicrofluidics, 2015, 9, 014124.	1.2	8
44	Scaling human pluripotent stem cell expansion and differentiation: are cell factories becoming a reality?. Regenerative Medicine, 2015, 10, 925-930.	0.8	6
45	Comparison of Plasma Polymerization under Collisional and Collision-Less Pressure Regimes. Journal of Physical Chemistry B, 2015, 119, 15359-15369.	1.2	20
46	The importance of ions in low pressure PECVD plasmas. Frontiers in Physics, 2015, 3, .	1.0	23
47	Probing the transport of plasma-generated RONS in an agarose target as surrogate for real tissue: dependency on time, distance and material composition. Journal Physics D: Applied Physics, 2015, 48, 202001.	1.3	83
48	A â€˜tissue modelâ€™ to study the plasma delivery of reactive oxygen species. Journal Physics D: Applied Physics, 2014, 47, 152002.	1.3	103
49	Protein Patterning on Microplasma-Activated PEO-Like Coatings. Plasma Processes and Polymers, 2014, 11, 263-268.	1.6	6
50	An Experimental and Analytical Study of an Asymmetric Capacitively Coupled Plasma Used for Plasma Polymerization. Plasma Processes and Polymers, 2014, 11, 833-841.	1.6	25
51	Approaches to Quantify Amine Groups in the Presence of Hydroxyl Functional Groups in Plasma Polymerized Thin Films. Plasma Processes and Polymers, 2014, 11, 888-896.	1.6	27
52	Development of a surface to increase retinal pigment epithelial cell (ARPE-19) proliferation under reduced serum conditions. Journal of Materials Science: Materials in Medicine, 2014, 25, 1367-1373.	1.7	4
53	Graphene/Polyaniline nanocomposite as electrode material for membrane capacitive deionization. Desalination, 2014, 344, 274-279.	4.0	77
54	Polyaniline-modified activated carbon electrodes for capacitive deionisation. Desalination, 2014, 333, 101-106.	4.0	85

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55	Plasma Polymer-Coated Contact Lenses for the Culture and Transfer of Corneal Epithelial Cells in the Treatment of Limbal Stem Cell Deficiency. Tissue Engineering - Part A, 2014, 20, 140123085146001.	1.6	20
56	Development of a surface to enhance the effectiveness of fibroblast growth factor 2 (FGF-2). Biomaterials Science, 2014, 2, 875-882.	2.6	11
57	Ionized gas (plasma) delivery of reactive oxygen species (ROS) into artificial cells. Journal Physics D: Applied Physics, 2014, 47, 362001.	1.3	42
58	The self-renewal of mouse embryonic stem cells is regulated by cellâ€“substratum adhesion and cell spreading. International Journal of Biochemistry and Cell Biology, 2013, 45, 2698-2705.	1.2	41
59	Using oxygen plasma treatment to improve the performance of electrodes for capacitive water deionization. Electrochimica Acta, 2013, 106, 494-499.	2.6	31
60	The link between mechanisms of deposition and the physico-chemical properties of plasma polymer films. Soft Matter, 2013, 9, 6167.	1.2	43
61	Nanoscale deposition of chemically functionalised films via plasma polymerisation. RSC Advances, 2013, 3, 13540.	1.7	94
62	On the effects of atmospheric-pressure microplasma array treatment on polymer and biological materials. RSC Advances, 2013, 3, 13437.	1.7	24
63	A substrate independent approach for generation of surface gradients. Thin Solid Films, 2013, 528, 106-110.	0.8	52
64	Cell attachment and proliferation on high conductivity PEDOTâ€“glycol composites produced by vapour phase polymerisation. Biomaterials Science, 2013, 1, 368-378.	2.6	31
65	Defining Plasma Polymerization: New Insight Into What We Should Be Measuring. ACS Applied Materials & Interfaces, 2013, 5, 5387-5391.	4.0	30
66	On the Effect of Monomer Chemistry on Growth Mechanisms of Nonfouling PEG-like Plasma Polymers. Langmuir, 2013, 29, 2595-2601.	1.6	41
67	Studying the cytolytic activity of gas plasma with self-signalling phospholipid vesicles dispersed within a gelatin matrix. Journal Physics D: Applied Physics, 2013, 46, 185401.	1.3	36
68	Variability in Plasma Polymerization Processes â€“ An International Roundâ€‹<scp>R</scp>obin Study. Plasma Processes and Polymers, 2013, 10, 767-778.	1.6	40
69	Microplasma arrays: a new approach for maskless and localized patterning of materials surfaces. RSC Advances, 2012, 2, 12007.	1.7	20
70	Structure-directed growth of high conductivity PEDOT from liquid-like oxidant layers during vacuum vapor phase polymerization. Journal of Materials Chemistry, 2012, 22, 14889.	6.7	84
71	Immobilized Streptavidin Gradients as Bioconjugation Platforms. Langmuir, 2012, 28, 2710-2717.	1.6	36
72	Combination of iCVD and Porous Silicon for the Development of a Controlled Drug Delivery System. ACS Applied Materials & Interfaces, 2012, 4, 3566-3574.	4.0	75

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73	Functionality of Proteins Bound to Plasma Polymer Surfaces. ACS Applied Materials & Interfaces, 2012, 4, 2455-2463.	4.0	53
74	Polymeric Material with Metal-Like Conductivity for Next Generation Organic Electronic Devices. Chemistry of Materials, 2012, 24, 3998-4003.	3.2	224
75	Fabrication and Operation of a Microcavity Plasma Array Device for Microscale Surface Modification. Plasma Processes and Polymers, 2012, 9, 638-646.	1.6	23
76	Reconciling the Physical and Chemical Environments of Plasma: A Commentary on â€œMechanisms of Plasma Polymerisation â€“ Reviewed from a Chemical Point of Viewâ€. Plasma Processes and Polymers, 2012, 9, 840-843.	1.6	12
77	Assessing embryonic stem cell response to surface chemistry using plasma polymer gradients. Acta Biomaterialia, 2012, 8, 1739-1748.	4.1	37
78	Single-walled carbon nanotubes and polyaniline composites for capacitive deionization. Desalination, 2012, 290, 125-129.	4.0	109
79	Glycosaminoglycan (GAG) binding surfaces for characterizing GAG-protein interactions. Biomaterials, 2012, 33, 1007-1016.	5.7	30
80	Microplasma patterning of bonded microchannels using high-precision â€œinjectedâ€•electrodes. Lab on A Chip, 2011, 11, 541-544.	3.1	50
81	Method for the Generation of Surface-Bound Nanoparticle Density Gradients. Journal of Physical Chemistry C, 2011, 115, 3429-3433.	1.5	53
82	Chemical and biomolecule patterning on 2D surfaces using atmospheric pressure microcavity plasma array devices. Proceedings of SPIE, 2011, , .	0.8	1
83	Role of Positive Ions in Determining the Deposition Rate and Film Chemistry of Continuous Wave Hexamethyl Disiloxane Plasmas. Langmuir, 2011, 27, 11943-11950.	1.6	42
84	Controlling the Spatial Distribution of Polymer Surface Treatment Using Atmosphericâ€Pressure Microplasma Jets. Plasma Processes and Polymers, 2011, 8, 38-50.	1.6	51
85	On the Use of SIFTâ€MS and PTRâ€MS Experiments to Explore Reaction Mechanisms in Plasmas of Volatile Organics: Siloxanes. Plasma Processes and Polymers, 2011, 8, 287-294.	1.6	13
86	Surface Morphology in the Early Stages of Plasma Polymer Film Growth from Amineâ€Containing Monomers. Plasma Processes and Polymers, 2011, 8, 367-372.	1.6	73
87	Design of a Microplasma Device for Spatially Localised Plasma Polymerisation. Plasma Processes and Polymers, 2011, 8, 695-700.	1.6	19
88	Reply to â€œTesting the Hypothesis: Comments on Plasma Polymerization of Acrylic Acid Revisitedâ€. Plasma Processes and Polymers, 2011, 8, 687-688.	1.6	7
89	High conductivity PEDOT resulting from glycol/oxidant complex and glycol/polymer intercalation during vacuum vapour phase polymerisation. Polymer, 2011, 52, 1725-1730.	1.8	73
90	Versatile gradients of chemistry, bound ligands and nanoparticles on alumina nanopore arrays. Nanotechnology, 2011, 22, 415601.	1.3	10

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91	Integration of microplasma and microfluidic technologies for localised microchannel surface modification. Proceedings of SPIE, 2011, , .	0.8	2
92	The Substrate and Composition Dependence of Plasma Polymer Stability. Plasma Processes and Polymers, 2010, 7, 102-106.	1.6	21
93	The potential of small chemical functional groups for directing the differentiation of kidney stem cells. Biochemical Society Transactions, 2010, 38, 1062-1066.	1.6	13
94	In-situ QCM-D analysis reveals four distinct stages during vapour phase polymerisation of PEDOT thin films. Polymer, 2010, 51, 1737-1743.	1.8	34
95	The use of a micro-cavity discharge array at atmospheric pressure to investigate the spatial modification of polymer surfaces. Surface and Coatings Technology, 2010, 204, 2279-2288.	2.2	19
96	Creating gradients of two proteins by differential passive adsorption onto a PEG-density gradient. Biomaterials, 2010, 31, 392-397.	5.7	59
97	Testing the Hypothesis: Comments on Plasma Polymerisation of Acrylic Acid Revisited. Plasma Processes and Polymers, 2010, 7, 366-370.	1.6	33
98	Early Stages of Growth of Plasma Polymer Coatings Deposited from Nitrogenâ€•and Oxygenâ€Containing Monomers. Plasma Processes and Polymers, 2010, 7, 824-835.	1.6	84
99	Joint Commentary to the Debate. Plasma Processes and Polymers, 2010, 7, 365-365.	1.6	9
100	Plasma Polymer Surfaces for Cell Expansion and Delivery. Journal of Adhesion Science and Technology, 2010, 24, 2215-2236.	1.4	12
101	Antibacterial surfaces by adsorptive binding of polyvinyl-sulphonate-stabilized silver nanoparticles. Nanotechnology, 2010, 21, 215102.	1.3	80
102	Development of a microtiter plate-based glycosaminoglycan array for the investigation of glycosaminoglycan-protein interactions. Glycobiology, 2009, 19, 1537-1546.	1.3	37
103	The geometric control of E14 and R1 mouse embryonic stem cell pluripotency by plasma polymer surface chemical gradients. Biomaterials, 2009, 30, 1066-1070.	5.7	59
104	Submillimeter-Scale Surface Gradients of Immobilized Protein Ligands. Langmuir, 2009, 25, 4243-4246.	1.6	14
105	Substrate influence on the initial growth phase of plasma-deposited polymer films. Chemical Communications, 2009, , 3600.	2.2	101
106	Selected ion flow tube studies to investigate the formation of acrylic and propionic acid protonated clusters in low power, low pressure RF plasmas. Chemical Communications, 2009, , 659-661.	2.2	9
107	Surface Gradient of Functional Heparin. Advanced Materials, 2008, 20, 1166-1169.	11.1	70
108	Deposition of functional coatings from acrylic acid and octamethylcyclotetrasiloxane onto steel using an atmospheric pressure dielectric barrier discharge. Surface and Coatings Technology, 2008, 203, 822-825.	2.2	37

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109	Chemical and thermo-responsive characterisation of surfaces formed by plasma polymerisation ofN-isopropyl acrylamide. Surface and Interface Analysis, 2006, 38, 1109-1116.	0.8	31
110	A Cell Therapy for Chronic Wounds Based Upon a Plasma Polymer Delivery Surface. Plasma Processes and Polymers, 2006, 3, 419-430.	1.6	27
111	The Effect of Positive Ion Energy on Plasma Polymerization:Â A Comparison between Acrylic and Propionic Acids. Journal of Physical Chemistry B, 2005, 109, 3207-3211.	1.2	33
112	A new autologous keratinocyte dressing treatment for non-healing diabetic neuropathic foot ulcers. Diabetic Medicine, 2004, 21, 786-789.	1.2	86
113	Developments in xenobiotic-free culture of human keratinocytes for clinical use. Wound Repair and Regeneration, 2004, 12, 626-634.	1.5	67
114	A method for the non-covalent immobilization of heparin to surfaces. Analytical Biochemistry, 2004, 330, 123-129.	1.1	48
115	Plasma polymer chemical gradients for evaluation of surface reactivity: epoxide reaction with carboxylic acid surface groups. Journal of Materials Chemistry, 2004, 14, 408.	6.7	47
116	Investigating the Plasma Surface Modification of Polystyrene at Low Ion Power Densities. Journal of Physical Chemistry B, 2004, 108, 14000-14004.	1.2	18
117	Experimental evidence of a relationship between monomer plasma residence time and carboxyl group retention in acrylic acid plasma polymers. Polymer, 2003, 44, 3173-3176.	1.8	43
118	Development of a Stable Chemically Defined Surface for the Culture of Human Keratinocytes under Serum-Free Conditions for Clinical Use. Tissue Engineering, 2003, 9, 919-930.	4.9	64
119	Adsorption of immunoglobulin G to plasma-co-polymer surfaces of acrylic acid and 1,7-octadiene. Journal of Materials Chemistry, 2003, 13, 1546.	6.7	43
120	The effect of ion energy upon plasma polymerization deposition rate for acrylic acid. Chemical Communications, 2003, , 348-349.	2.2	19
121	A method for the deposition of controllable chemical gradientsThis work was supported by EPSRC Grant GR/R28560/01.. Chemical Communications, 2003, , 1766.	2.2	79
122	Development of a Plasma-Polymerized Surface Suitable for the Transplantation of Keratinocyteâ€"Melanocyte Cocultures for Patients with Vitiligo. Tissue Engineering, 2003, 9, 1123-1131.	4.9	23
123	A Multi-Technique Investigation of the Pulsed Plasma and Plasma Polymers of Acrylic Acid:Â Millisecond Pulse Regime. Journal of Physical Chemistry B, 2002, 106, 5596-5603.	1.2	55
124	Adsorption of vitronectin, collagen and immunoglobulin-G to plasma polymer surfaces by enzyme linked immunosorbent assay (ELISA). Journal of Materials Chemistry, 2002, 12, 2726-2732.	6.7	54
125	Plasma-polymerised coatings used as pre-treatment for aluminium alloys. Surface and Coatings Technology, 2002, 154, 8-13.	2.2	33
126	The Role of Ions in the Plasma Polymerization of Allylamine. Journal of Physical Chemistry B, 2001, 105, 5730-5736.	1.2	74

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127	The effect of ion energy on the chemistry of air-aged polymer films grown from the hyperthermal polyatomic ion Si2OMe5+. Journal of Electron Spectroscopy and Related Phenomena, 2001, 121, 281-297.	0.8	47
128	XPS analysis of the surface of leucite-reinforced feldspathic ceramics. Dental Materials, 2001, 17, 1-6.	1.6	22
129	Chemistry and aging of organosiloxane and fluorocarbon films grown from hyperthermal polyatomic ions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1531-1536.	0.9	15
130	Differences in the Aging of Allyl Alcohol, Acrylic Acid, Allylamine, and Octa-1,7-diene Plasma Polymers As Studied by X-ray Photoelectron Spectroscopy. Chemistry of Materials, 2000, 12, 2664-2671.	3.2	94
131	A Mass Spectrometric and Ion Energy Study of the Continuous Wave Plasma Polymerization of Acrylic Acid. Langmuir, 2000, 16, 5654-5660.	1.6	59
132	A study of HMDSO/O2 plasma deposits using a high-sensitivity and -energy resolution XPS instrument: curve fitting of the Si 2p core level. Applied Surface Science, 1999, 137, 179-183.	3.1	298
133	The role of ions in the continuous-wave plasma polymerisation of acrylic acid. Physical Chemistry Chemical Physics, 1999, 1, 3117-3121.	1.3	37
134	Interface molecular engineering of carbon-fiber composites. Composites Part A: Applied Science and Manufacturing, 1999, 30, 49-57.	3.8	49
135	Investigating Radio Frequency Plasmas Used for the Modification of Polymer Surfaces. Journal of Physical Chemistry B, 1999, 103, 4423-4430.	1.2	76
136	A Mass Spectral Investigation of the RF Plasmas of Small Organic Compounds: An Investigation of the Plasma-Phase Reactions in the Plasma Deposition from Allyl Amine. Plasmas and Polymers, 1998, 3, 97-114.	1.5	16
137	Plasma copolymer surfaces of acrylic acid/1,7 octadiene: Surface characterisation and the attachment of ROS 17/2.8 osteoblast-like cells. Biomaterials, 1998, 19, 1717-1725.	5.7	148
138	Experimental evaluation of the interphase region in carbon fibre composites with plasma polymerised coatings. Composites Part A: Applied Science and Manufacturing, 1998, 29, 241-250.	3.8	48
139	Mass spectrometric study of the radiofrequency-induced plasma polymerisation of styrene and propenoic acid. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 559-565.	1.7	24
140	A comparative study of cell attachment to self assembled monolayers and plasma polymers. Journal of Materials Chemistry, 1998, 8, 2583-2584.	6.7	28
141	Plasma Copolymerization of Allyl Alcohol/1,7-Octadiene:Â Surface Characterization and Attachment of Human Keratinocytes. Chemistry of Materials, 1998, 10, 1176-1183.	3.2	60
142	Plasma Treatment of Polymers:Â The Effects of Energy Transfer from an Argon Plasma on the Surface Chemistry of Polystyrene, and Polypropylene. A High-Energy Resolution X-ray Photoelectron Spectroscopy Study. Langmuir, 1998, 14, 4827-4835.	1.6	227
143	Attachment of human keratinocytes to plasma co-polymers of acrylic acid/octa-1,7-diene and allyl amine/octa-1,7-diene. Journal of Materials Chemistry, 1998, 8, 37-42.	6.7	111
144	Gas-phase esterification during plasma polymerization of propanoic acid and 1-propanol. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 3131-3133.	0.9	4

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145	Effects of â€œprocessing parametersâ€•in plasma deposition: Acrylic acid revisited. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1702-1709.	0.9	54
146	Quantitative ToF SIMS Analysis of Spun-Cast and Solution-Cast Polymer Films. International Journal of Polymer Analysis and Characterization, 1997, 4, 133-151.	0.9	6
147	An investigation of the mechanisms of plasma polymerisation of allyl alcohol. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 1141-1145.	1.7	36
148	On the plasma polymerisation of allyl alcohol: an investigation of ionâ€“molecule reactions using a selected ion flow tube. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 1961-1964.	1.7	20
149	Mass Spectral Investigation of the Radio-Frequency Plasma Deposition of Hexamethyldisiloxane. Journal of Physical Chemistry B, 1997, 101, 3614-3619.	1.2	87
150	Plasma treatment of polymers Effects of energy transfer from an argon plasma on the surface chemistry of poly(styrene), low density poly(ethylene), poly(propylene) and poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td	1.7	14
151	Title is missing!. Plasmas and Polymers, 1997, 2, 277-300.	1.5	70
152	Plasma polymerisation for molecular engineering of carbon-fibre surfaces for optimised composites. Composites Science and Technology, 1997, 57, 1023-1032.	3.8	93
153	Secondary Ion Mass Spectrometry of Polymers: a ToF SIMS Study of Monodispersed PMMA Standards. Surface and Interface Analysis, 1997, 25, 261-274.	0.8	60
154	Characterization of Plasma Polymers of Acrylic Acid and Propanoic Acid. Macromolecules, 1996, 29, 5172-5177.	2.2	85
155	Synthetic implant surfaces. Biomaterials, 1996, 17, 501-507.	5.7	58
156	Plasma copolymerization as a route to the fabrication of new surfaces with controlled amounts of specific chemical functionality. Polymer, 1996, 37, 5537-5539.	1.8	74
157	X-ray photoelectron spectroscopy (XPS) and time-of-flight secondary ion mass spectrometry (ToF-SIMS) analysis of UV-exposed polystyrene. Macromolecular Chemistry and Physics, 1995, 196, 3695-3705.	1.1	8
158	ESCA surface study of polystyrene photodegradation accelerated by 2-(2-methoxy-5-methylphenyl)-2H-benzotriazole. Macromolecular Rapid Communications, 1995, 16, 799-806.	2.0	3
159	A t.o.f.s.i.m.s. and x.p.s. investigation of the structure of plasma polymers prepared from the methacrylate series of monomers: 2. The influence of the W/F parameter on structural and functional group retention. Polymer, 1995, 36, 3439-3450.	1.8	31
160	Radiofrequency-induced plasma polymerisation of propenoic acid and propanoic acid. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3907.	1.7	82
161	Mass spectrometry of and deposition-rate measurements from radiofrequency-induced plasmas of methyl isobutyrate, methyl methacrylate and n-butyl methacrylate. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 1363.	1.7	46
162	A spectroscopic analysis of plasma polymers prepared from a series of vinyl sulphones. Surface and Interface Analysis, 1994, 22, 477-482.	0.8	20

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163	Plasma treatment of polymers: effects of energy transfer from an argon plasma and post-plasma storage on the surface chemistry of polystyrene. Polymer Degradation and Stability, 1994, 45, 339-346.	2.7	27
164	The formation of high surface concentrations of hydroxyl groups in the plasma polymerization of allyl alcohol. Polymer, 1994, 35, 4382-4391.	1.8	67
165	1992 C R Burch prize TOF SIMS in polymer surface studies. Vacuum, 1993, 44, 1143-1160.	1.6	41
166	A time-of-flight secondary ion mass spectrometry and X-ray photoelectron spectroscopy investigation of the structure of plasma polymers prepared from the methacrylate series of monomers. Polymer, 1993, 34, 4179-4185.	1.8	22