

Hans J Griesser

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249
papers

11,033
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57
h-index

94
g-index

258
ext. papers

11,778
ext. citations

5
avg, IF

6.19
L-index

#	Paper	IF	Citations
249	Plasma Methods for the Generation of Chemically Reactive Surfaces for Biomolecule Immobilization and Cell Colonization - A Review. <i>Plasma Processes and Polymers</i> , 2006 , 3, 392-418	3.4	802
248	Effects of cloud-point grafting, chain length, and density of PEG layers on competitive adsorption of ocular proteins. <i>Biomaterials</i> , 2002 , 23, 2043-56	15.6	484
247	Stimuli-responsive interfaces and systems for the control of protein-surface and cell-surface interactions. <i>Biomaterials</i> , 2009 , 30, 1827-50	15.6	394
246	Antibacterial surfaces for biomedical devices. <i>Expert Review of Medical Devices</i> , 2009 , 6, 553-67	3.5	388
245	Surfaces that resist bioadhesion. <i>Current Opinion in Solid State and Materials Science</i> , 1999 , 4, 403-412	12	289
244	Effects of ionic strength and surface charge on protein adsorption at PEGylated surfaces. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17545-52	3.4	259
243	Growth of human cells on plasma polymers: putative role of amine and amide groups. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1994 , 5, 531-54	3.5	170
242	Characterization of the Ageing of Plasma-deposited Polymer Films: Global Analysis of X-ray Photoelectron Spectroscopy Data. <i>Surface and Interface Analysis</i> , 1996 , 24, 271-281	1.5	160
241	Effect of polysaccharide structure on protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000 , 17, 37-48	6	151
240	Guanylated polymethacrylates: a class of potent antimicrobial polymers with low hemolytic activity. <i>Biomacromolecules</i> , 2013 , 14, 4021-31	6.9	145
239	Tunable antibacterial coatings that support mammalian cell growth. <i>Nano Letters</i> , 2010 , 10, 202-7	11.5	140
238	The control of Staphylococcus epidermidis biofilm formation and in vivo infection rates by covalently bound furanones. <i>Biomaterials</i> , 2004 , 25, 5023-30	15.6	131
237	Antibacterial Surfaces and Coatings Produced by Plasma Techniques. <i>Plasma Processes and Polymers</i> , 2011 , 8, 1010-1023	3.4	130
236	Small scale reactor for plasma processing of moving substrate web. <i>Vacuum</i> , 1989 , 39, 485-488	3.7	130
235	Ultrasensitive probing of the protein resistance of PEG surfaces by secondary ion mass spectrometry. <i>Biomaterials</i> , 2002 , 23, 4775-85	15.6	120
234	Relationship between interfacial forces measured by colloid-probe atomic force microscopy and protein resistance of poly(ethylene glycol)-grafted poly(L-lysine) adlayers on niobia surfaces. <i>Langmuir</i> , 2005 , 21, 6508-20	4	119
233	A multi-technique study of the spontaneous oxidation of N-hexane plasma polymers. <i>Journal of Polymer Science Part A</i> , 1994 , 32, 1399-1414	2.5	107

232	Roles of serum vitronectin and fibronectin in initial attachment of human vein endothelial cells and dermal fibroblasts on oxygen- and nitrogen-containing surfaces made by radiofrequency plasmas. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1994 , 6, 511-32	3.5	106
231	High salt stability and protein resistance of poly(L-lysine)-g-poly(ethylene glycol) copolymers covalently immobilized via aldehyde plasma polymer interlayers on inorganic and polymeric substrates. <i>Langmuir</i> , 2006 , 22, 5760-9	4	105
230	Biomedical coatings by the covalent immobilization of polysaccharides onto gas-plasma-activated polymer surfaces. <i>Surface and Interface Analysis</i> , 2000 , 29, 46-55	1.5	100
229	Advanced biopolymer-coated drug-releasing titania nanotubes (TNTs) implants with simultaneously enhanced osteoblast adhesion and antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 130, 255-63	6	99
228	Quantitative Analysis of Polymer Surface Restructuring. <i>Langmuir</i> , 1995 , 11, 2576-2584	4	97
227	Aging of 1,3-diaminopropane plasma-deposited polymer films: Mechanisms and reaction pathways. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2191-2206	2.5	95
226	Substrate influence on the initial growth phase of plasma-deposited polymer films. <i>Chemical Communications</i> , 2009 , 3600-2	5.8	93
225	Clinical observations of biofouling on PEO coated silicone hydrogel contact lenses. <i>Biomaterials</i> , 2010 , 31, 5510-9	15.6	92
224	Correlation of the Nitrogen 1s and Oxygen 1s XPS Binding Energies with Compositional Changes During Oxidation of Ethylene Diamine Plasma Polymers. <i>Surface and Interface Analysis</i> , 1996 , 24, 611-615	1.5	92
223	Evolution of the surface composition and topography of perfluorinated polymers following ammonia-plasma treatment. <i>Journal of Adhesion Science and Technology</i> , 1994 , 8, 305-328	2	88
222	Immobilization and surface characterization of NeutrAvidin biotin-binding protein on different hydrogel interlayers. <i>Journal of Colloid and Interface Science</i> , 2003 , 259, 13-26	9.3	87
221	Post-deposition ageing reactions differ markedly between plasma polymers deposited from siloxane and silazane monomers. <i>Polymer</i> , 1999 , 40, 5079-5094	3.9	87
220	A robust procedure for the functionalization of gold nanorods and noble metal nanoparticles. <i>Chemical Communications</i> , 2009 , 1724-6	5.8	86
219	Solvent-induced porosity in ultrathin amine plasma polymer coatings. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10915-21	3.4	86
218	The role of water in the synthesis and performance of vapour phase polymerised PEDOT electrochromic devices. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7871		81
217	Reactive epoxy-functionalized thin films by a pulsed plasma polymerization process. <i>Langmuir</i> , 2008 , 24, 10187-95	4	81
216	Early Stages of Growth of Plasma Polymer Coatings Deposited from Nitrogen- and Oxygen-Containing Monomers. <i>Plasma Processes and Polymers</i> , 2010 , 7, 824-835	3.4	79
215	Controlled covalent surface immobilisation of proteins and peptides using plasma methods. <i>Surface and Coatings Technology</i> , 2013 , 233, 169-177	4.4	78

214	Surface modification of poly(tetrafluoroethylene) by gas plasma treatment. <i>Polymer</i> , 1991 , 32, 1126-1130	9	78
213	Surface Modification by Plasma Etching and Plasma Patterning. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 9548-9554	3-4	77
212	Antimicrobial Polymethacrylates Synthesized as Mimics of Tryptophan-Rich Cationic Peptides.. <i>ACS Macro Letters</i> , 2014 , 3, 319-323	6.6	76
211	Surface modification and chemical surface analysis of biomaterials. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 667-76	9-7	76
210	Electrostatic self-assembly of PEG copolymers onto porous silica nanoparticles. <i>Langmuir</i> , 2008 , 24, 8143-50	4-50	76
209	Antibacterial surfaces by adsorptive binding of polyvinyl-sulphonate-stabilized silver nanoparticles. <i>Nanotechnology</i> , 2010 , 21, 215102	3-4	74
208	Surface modification of nanoporous alumina membranes by plasma polymerization. <i>Nanotechnology</i> , 2008 , 19, 245704	3-4	73
207	Plasma-polymerized polyaniline films: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 633-643	2-5	71
206	Theory of Contact Angles and the Free Energy of Formation of Ionizable Surfaces: Application to Heptylamine Radio-Frequency Plasma-Deposited Films. <i>Langmuir</i> , 1995 , 11, 4122-4128	4	69
205	Degradation of polyurethanes in biomedical applications—A review. <i>Polymer Degradation and Stability</i> , 1991 , 33, 329-354	4-7	69
204	Thin calcium phosphate coatings on titanium by electrochemical deposition in modified simulated body fluid. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 347-55	5-4	68
203	Two-dimensional patterning of thin coatings for the control of tissue outgrowth. <i>Biomaterials</i> , 2006 , 27, 35-43	15-6	67
202	Deposition conditions influence the postdeposition oxidation of methyl methacrylate plasma polymer films. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 985-1000	2-5	65
201	Shallow reorientation in the surface dynamics of plasma-treated fluorinated ethylene-propylene polymer. <i>Langmuir</i> , 1991 , 7, 2484-2491	4	65
200	End terminal, poly(ethylene oxide) graft layers: surface forces and protein adsorption. <i>Langmuir</i> , 2009 , 25, 9149-56	4	64
199	Surface characterization of plasma polymers from amine, amide and alcohol monomers. <i>Journal of Applied Polymer Science</i> , 1990 , 46, 361-384	2-9	64
198	Surface-MALDI mass spectrometry in biomaterials research. <i>Biomaterials</i> , 2004 , 25, 4861-75	15-6	61
197	XPS and surface-MALDI-MS characterisation of worn HEMA-based contact lenses. <i>Biomaterials</i> , 2001 , 22, 3295-304	15-6	59

196	Changes in wettability with time of plasma-modified perfluorinated polymers. <i>Journal of Adhesion Science and Technology</i> , 1992 , 6, 1411-1431	2	59
195	RAFT-derived antimicrobial polymethacrylates: elucidating the impact of end-groups on activity and cytotoxicity. <i>Polymer Chemistry</i> , 2014 , 5, 5813-5822	4.9	58
194	Fimbricide-coated antimicrobial lenses: their in vitro and in vivo effects. <i>Optometry and Vision Science</i> , 2008 , 85, 292-300	2.1	58
193	Method of immobilization of carboxymethyl-dextran affects resistance to tissue and cell colonization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000 , 18, 221-234	6	58
192	Highly Ordered Nanometer-Scale Chemical and Protein Patterns by Binary Colloidal Crystal Lithography Combined with Plasma Polymerization. <i>Advanced Functional Materials</i> , 2011 , 21, 540-546	15.6	56
191	Biomaterials surfaces capable of resisting fungal attachment and biofilm formation. <i>Biotechnology Advances</i> , 2014 , 32, 296-307	17.8	54
190	Controlled release of levofloxacin sandwiched between two plasma polymerized layers on a solid carrier. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 4831-6	9.5	53
189	The energy gap dependence of the radiationless transition rates in azulene and its derivatives. <i>Chemical Physics</i> , 1980 , 52, 117-131	2.3	53
188	Prevention of bacterial biofilms by covalent immobilization of peptides onto plasma polymer functionalized substrates. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8092		52
187	Effects of oxygen plasma treatment on the surface of bisphenol A polycarbonate: a study using SIMS, principal component analysis, ellipsometry, XPS and AFM nanoindentation. <i>Surface and Interface Analysis</i> , 2006 , 38, 1186-1197	1.5	52
186	Matrix-assisted laser desorption ionization mass spectrometry detection of proteins adsorbed in vivo onto contact lenses. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 49, 36-42		51
185	Surface immobilization of poly(ethylene oxide): Structure and properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2323-2332	2.6	51
184	Compositional changes in plasma-deposited fluorocarbon films during ageing. <i>Surface and Interface Analysis</i> , 1998 , 26, 498-511	1.5	50
183	Antimicrobial compounds from the Australian desert plant <i>Eremophila neglecta</i> . <i>Journal of Natural Products</i> , 2007 , 70, 1439-43	4.9	50
182	Stabilization of supported liquid membranes by plasma polymerization surface coating. <i>Journal of Membrane Science</i> , 2000 , 168, 29-37	9.6	50
181	Low-Pressure Plasma Methods for Generating Non-Reactive Hydrophilic and Hydrogel-Like Bio-Interface Coatings – A Review. <i>Plasma Processes and Polymers</i> , 2015 , 12, 8-24	3.4	49
180	Functionality of proteins bound to plasma polymer surfaces. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2455-63	9.5	49
179	Peptoid-containing collagen mimetics with cell binding activity. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 612-24		49

178	PEGylation of porous silicon using click chemistry. <i>Langmuir</i> , 2008 , 24, 7625-7	4	48
177	Antimicrobial compounds from <i>Eremophila serrulata</i> . <i>Phytochemistry</i> , 2007 , 68, 2684-90	4	47
176	Immobilized liposome layers for drug delivery applications: inhibition of angiogenesis. <i>Journal of Controlled Release</i> , 2002 , 80, 179-95	11.7	47
175	Nanometer thickness laser ablation for spatial control of cell attachment. <i>Smart Materials and Structures</i> , 2002 , 11, 792-799	3.4	46
174	Effect of porosity and surface hydrophilicity on migration of epithelial tissue over synthetic polymer. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 50, 475-82		46
173	Photochemical Generation of Conducting Patterns in Polybutadiene Films. <i>Macromolecules</i> , 1996 , 29, 282-287	5.5	46
172	A Surface Masking Technique for the Determination of Plasma Polymer Film Thickness by AFM. <i>Plasmas and Polymers</i> , 2000 , 5, 47-60		45
171	Characterization of surface-immobilized layers of intact liposomes. <i>Biomacromolecules</i> , 2004 , 5, 1496-500.9		44
170	Effects of plasma modification conditions on surface restructuring. <i>Langmuir</i> , 1995 , 11, 2585-2591	4	44
169	Energy selection experiments in glassy matrices: The linewidths of the emissions S2- β 0 and S2- β 1 of azulene. <i>Journal of Chemical Physics</i> , 1980 , 73, 4715-4719	3.9	43
168	Colloid Probe AFM and XPS Study of Time-Dependent Aging of Amine Plasma Polymer Coatings in Aqueous Media. <i>Plasma Processes and Polymers</i> , 2008 , 5, 175-185	3.4	42
167	Colloid probe AFM investigation of interactions between fibrinogen and PEG-like plasma polymer surfaces. <i>Langmuir</i> , 2006 , 22, 313-8	4	42
166	XPS characterization of the surface immobilization of antibacterial furanones. <i>Surface Science</i> , 2006 , 600, 952-962	1.8	41
165	Contributions of restructuring and oxidation to the aging of the surface of plasma polymers containing heteroatoms. <i>Plasmas and Polymers</i> , 1997 , 2, 91-114		40
164	Direct detection of proteins adsorbed on synthetic materials by matrix-assisted laser desorption ionization-mass spectrometry. <i>Analytical Biochemistry</i> , 1999 , 273, 156-62	3.1	40
163	Optical biosensing for label-free cellular studies. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 53, 178-186	14.6	39
162	Polymer surface chemistry and bone cell migration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1998 , 9, 781-99	3.5	38
161	Cellular micromotion monitored by long-range surface plasmon resonance with optical fluctuation analysis. <i>Analytical Chemistry</i> , 2015 , 87, 1456-61	7.8	37

160	Sulfonated Surfaces by Sulfur Dioxide Plasma Surface Treatment of Plasma Polymer Films. <i>Plasma Processes and Polymers</i> , 2009 , 6, 583-592	3.4	37
159	Anti-infective Surface Coatings: Design and Therapeutic Promise against Device-Associated Infections. <i>PLoS Pathogens</i> , 2016 , 12, e1005598	7.6	37
158	A comparison of biological coatings for the promotion of corneal epithelialization of synthetic surface in vivo. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3301-9		36
157	Interfacial properties and protein resistance of nano-scale polysaccharide coatings. <i>Smart Materials and Structures</i> , 2002 , 11, 652-661	3.4	36
156	Physicochemical Properties of Polysaccharide Coatings Based on Grafted Multilayer Assemblies. <i>Langmuir</i> , 2002 , 18, 2483-2494	4	35
155	Colloid probe AFM study of thermal collapse and protein interactions of poly(N-isopropylacrylamide) coatings. <i>Soft Matter</i> , 2010 , 6, 2657	3.6	34
154	Irreversible adsorption of human serum albumin to hydrogel contact lenses: a study using electron spin resonance spectroscopy. <i>Biomaterials</i> , 1999 , 20, 1345-56	15.6	34
153	Plasma activated coatings with dual action against fungi and bacteria. <i>Applied Materials Today</i> , 2018 , 12, 72-84	6.6	33
152	Dense PEG layers for efficient immunotargeting of nanoparticles to cancer cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8810		33
151	Nitric oxide releasing plasma polymer coating with bacteriostatic properties and no cytotoxic side effects. <i>Chemical Communications</i> , 2015 , 51, 7058-60	5.8	32
150	"Thunderstruck": Plasma-Polymer-Coated Porous Silicon Microparticles As a Controlled Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4467-76	9.5	32
149	Tuneable and robust long range surface plasmon resonance for biosensing applications. <i>Optical Materials</i> , 2013 , 35, 2507-2513	3.3	32
148	Deposition and XPS and FTIR Analysis of Plasma Polymer Coatings Containing Phosphorus. <i>Plasma Processes and Polymers</i> , 2014 , 11, 133-141	3.4	32
147	Immobilized streptavidin gradients as bioconjugation platforms. <i>Langmuir</i> , 2012 , 28, 2710-7	4	32
146	In-situ QCM-D analysis reveals four distinct stages during vapour phase polymerisation of PEDOT thin films. <i>Polymer</i> , 2010 , 51, 1737-1743	3.9	32
145	Incorporation of Surface Topography in the XPS Analysis of Curved or Rough Samples Covered by Thin Multilayers. <i>Surface and Interface Analysis</i> , 1997 , 25, 741-746	1.5	32
144	Plasma functionalized PDMS microfluidic chips: towards point-of-care capture of circulating tumor cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8841		31
143	Conducting Polymers from Polybutadiene: Molecular Configuration Effects on the Iodine-Induced Conjugation Reactions. <i>Macromolecules</i> , 1994 , 27, 6728-6735	5.5	31

142	Antibacterial spectrum and cytotoxic activities of serrulatane compounds from the Australian medicinal plant <i>Eremophila neglecta</i> . <i>Journal of Applied Microbiology</i> , 2012 , 112, 197-204	4.7	30
141	Factors affecting the adhesion of microwave plasma deposited siloxane films on polycarbonate. <i>Thin Solid Films</i> , 2006 , 500, 34-40	2.2	30
140	Interactions between adsorbed lactoferrin layers measured directly with the atomic force microscope. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002 , 23, 125-140	6	30
139	Grafting of poly(ethylene glycol) on click chemistry modified Si(100) surfaces. <i>Langmuir</i> , 2013 , 29, 8355-62	6.2	29
138	Immunotargeting of Functional Nanoparticles for MRI detection of Apoptotic Tumor Cells. <i>Advanced Materials</i> , 2009 , 21, 541-5	24	29
137	Biomimetic hemocompatible coatings through immobilization of hyaluronan derivatives on metal surfaces. <i>Langmuir</i> , 2008 , 24, 11834-41	4	29
136	Antimicrobial activity of some Australian plant species from the genus <i>Eremophila</i> . <i>Journal of Basic Microbiology</i> , 2007 , 47, 158-64	2.7	29
135	Grafting of Buckminsterfullerene onto Polydiene: A New Route to Fullerene-Containing Polymers. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 17302-17304		29
134	A general method to recondition and reuse BIAcore sensor chips fouled with covalently immobilized protein/peptide. <i>Analytical Biochemistry</i> , 1995 , 229, 112-8	3.1	29
133	The importance of fungal pathogens and antifungal coatings in medical device infections. <i>Biotechnology Advances</i> , 2018 , 36, 264-280	17.8	29
132	Hybrid biomaterials: Surface-MALDI mass spectrometry analysis of covalent binding versus physisorption of proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000 , 17, 23-35	6	28
131	3D printed lattices as an activation and expansion platform for T cell therapy. <i>Biomaterials</i> , 2017 , 140, 58-68	15.6	25
130	Surface coatings with covalently attached caspofungin are effective in eliminating fungal pathogens. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8469-8476	7.3	25
129	Cell attachment and proliferation on high conductivity PEDOT-glycol composites produced by vapour phase polymerisation. <i>Biomaterials Science</i> , 2013 , 1, 368-378	7.4	24
128	Packed Bed Bioreactor for the Isolation and Expansion of Placental-Derived Mesenchymal Stromal Cells. <i>PLoS ONE</i> , 2015 , 10, e0144941	3.7	24
127	Mechanism of initial attachment of corneal epithelial cells to polymeric surfaces. <i>Biomaterials</i> , 1997 , 18, 1541-51	15.6	24
126	Photo-doping of plasma-deposited polyaniline (PAni). <i>RSC Advances</i> , 2016 , 6, 70691-70699	3.7	23
125	Effects of solvent in the casting of poly(1-trimethylsilyl-1-propyne) membranes. <i>Radiation Physics and Chemistry</i> , 2000 , 58, 563-566	2.5	23

124	Ammonia plasma treatment of polyolefins for adhesive bonding with a cyanoacrylate adhesive. <i>Journal of Adhesion Science and Technology</i> , 1995 , 9, 501-525	2	23
123	Biologically active dibenzofurans from <i>Pilidiostigma glabrum</i> , an endemic Australian Myrtaceae. <i>Journal of Natural Products</i> , 2012 , 75, 1612-7	4.9	22
122	QCM-D and XPS study of protein adsorption on plasma polymers with sulfonate and phosphonate surface groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 447-453	6	22
121	Fabrication and Operation of a Microcavity Plasma Array Device for Microscale Surface Modification. <i>Plasma Processes and Polymers</i> , 2012 , 9, 638-646	3.4	20
120	Concurrent restructuring and oxidation of the surface of n-hexane plasma polymers during aging in air. <i>Plasmas and Polymers</i> , 1996 , 1, 207-228		20
119	A solid-state nuclear magnetic resonance study of post-plasma reactions in organosilicone microwave plasma-enhanced chemical vapor deposition (PECVD) coatings. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8353-62	9.5	19
118	Time-of-flight-secondary ion mass spectrometry study of the temperature dependence of protein adsorption onto poly(N-isopropylacrylamide) graft coatings. <i>Analytical Chemistry</i> , 2009 , 81, 6905-12	7.8	19
117	Rapid radiation degradation in the XPS analysis of antibacterial coatings of brominated furanones. <i>Surface and Interface Analysis</i> , 2006 , 38, 1512-1518	1.5	19
116	β -Doping of 1,4-polydienes. <i>Synthetic Metals</i> , 1995 , 69, 563-566	3.6	19
115	The structure of organosilicon plasma-polymerized coatings on metal substrates. <i>Journal of Applied Polymer Science</i> , 1989 , 37, 3413-3422	2.9	19
114	XPS excitation dependence of measured cobalt 2p _{3/2} peak intensity due to auger peak interference. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1989 , 49, 293-302	1.7	19
113	Laboratory Scale Systems for the Plasma Treatment and Coating of Particles. <i>Plasma Processes and Polymers</i> , 2015 , 12, 305-313	3.4	18
112	Antifungal coatings by caspofungin immobilization onto biomaterials surfaces via a plasma polymer interlayer. <i>Biointerphases</i> , 2015 , 10, 04A307	1.8	18
111	Comparison of Plasma Polymerization under Collisional and Collision-Less Pressure Regimes. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 15359-69	3.4	18
110	Characterization of sequentially grafted polysaccharide coatings using time-of-flight secondary ion mass spectrometry (ToF-SIMS) and principal component analysis (PCA). <i>Surface and Interface Analysis</i> , 2002 , 33, 924-931	1.5	18
109	Plasma surface modifications for improved biocompatibility of commercial polymers. <i>Polymer International</i> , 1992 , 27, 109-117	3.3	18
108	Highly resolved dual phosphorescence of xanthone in several hosts. <i>Chemical Physics Letters</i> , 1981 , 83, 287-291	2.5	18
107	Serrulatane Diterpenoid from <i>Eremophila neglecta</i> Exhibits Bacterial Biofilm Dispersion and Inhibits Release of Pro-inflammatory Cytokines from Activated Macrophages. <i>Journal of Natural Products</i> , 2015 , 78, 3031-40	4.9	17

106	Comprehensive characterization of grafted expanded poly(tetrafluoroethylene) for medical applications. <i>Langmuir</i> , 2010 , 26, 15409-17	4	17
105	Hydrophobic radiofrequency plasma-deposited polymer films: dielectric properties and surface forces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997 , 129-130, 117-129	5.1	17
104	Covalent attachment and non-specific binding of reactive probe molecules onto surfaces. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1995 , 7, 601-22	3.5	17
103	Xanthone. II. Vibronic coupling analysis from high resolution phosphorescence spectra. <i>Chemical Physics</i> , 1982 , 67, 373-389	2.3	17
102	Antibacterial constituents of <i>Eremophila alternifolia</i> : An Australian aboriginal traditional medicinal plant. <i>Journal of Ethnopharmacology</i> , 2016 , 182, 1-9	5	16
101	Antibacterial anthranilic acid derivatives from <i>Geigeria parviflora</i> . <i>Phytotherapy Research</i> , 2014 , 93, 62-6	3.2	16
100	Structure-activity relationships of guanlylated antimicrobial polymethacrylates. <i>Pure and Applied Chemistry</i> , 2014 , 86, 1281-1291	2.1	16
99	A ToF-SIMS and XPS study of protein adsorption and cell attachment across PEG-like plasma polymer films with lateral compositional gradients. <i>Surface Science</i> , 2012 , 606, 1798-1807	1.8	16
98	Effects of Varying Heptylamine and Propionaldehyde Plasma Polymerization Parameters on Mesenchymal Stem Cell Attachment. <i>Plasma Processes and Polymers</i> , 2013 , 10, 19-28	3.4	16
97	Design of a Microplasma Device for Spatially Localised Plasma Polymerisation. <i>Plasma Processes and Polymers</i> , 2011 , 8, 695-700	3.4	16
96	Gas permeability of poly [1-(trimethylsilyl)-1-propyne] membranes modified by hexafluorobutyl methacrylate. <i>Journal of Membrane Science</i> , 1993 , 82, 99-115	9.6	16
95	Hyperthermal Intact Molecular Ions Play Key Role in Retention of ATRP Surface Initiation Capability of Plasma Polymer Films from Ethyl Bromoisobutyrate. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16493-502	9.5	15
94	Caspofungin on ARGET-ATRP grafted PHEMA polymers: Enhancement and selectivity of prevention of attachment of <i>Candida albicans</i> . <i>Biointerphases</i> , 2017 , 12, 05G602	1.8	15
93	Microplasma arrays: a new approach for maskless and localized patterning of materials surfaces. <i>RSC Advances</i> , 2012 , 2, 12007	3.7	15
92	TOF-SIMS and principal component analysis characterization of the multilayer surface grafting of small molecules: antibacterial furanones. <i>Analytical Chemistry</i> , 2008 , 80, 430-6	7.8	15
91	AFM study of the stability of a dense affinity-bound liposome layer. <i>Langmuir</i> , 2008 , 24, 7371-7	4	15
90	Fluorescence from the second excited singlet state of [18] annulenes. <i>Chemical Physics Letters</i> , 1976 , 41, 450-455	2.5	15
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