

Peter Kingshott

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/422448/publications.pdf>

Version: 2024-02-01

165
papers

7,755
citations

46918

47
h-index

62479

80
g-index

169
all docs

169
docs citations

169
times ranked

10453
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of cloud-point grafting, chain length, and density of PEG layers on competitive adsorption of ocular proteins. <i>Biomaterials</i> , 2002, 23, 2043-2056.	5.7	515
2	Electrospun Nanofibers as Dressings for Chronic Wound Care: Advances, Challenges, and Future Prospects. <i>Macromolecular Bioscience</i> , 2014, 14, 772-792.	2.1	455
3	Surfaces that resist bioadhesion. <i>Current Opinion in Solid State and Materials Science</i> , 1999, 4, 403-412.	5.6	328
4	Covalent Attachment of Poly(ethylene glycol) to Surfaces, Critical for Reducing Bacterial Adhesion. <i>Langmuir</i> , 2003, 19, 6912-6921.	1.6	321
5	Characterization of Ferritin Adsorption onto Gold. <i>Journal of Colloid and Interface Science</i> , 1997, 186, 129-140.	5.0	170
6	Effect of polysaccharide structure on protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 17, 37-48.	2.5	164
7	Fibronectin Adsorption, Cell Adhesion, and Proliferation on Nanostructured Tantalum Surfaces. <i>ACS Nano</i> , 2010, 4, 2874-2882.	7.3	163
8	Immobilisation of living bacteria for AFM imaging under physiological conditions. <i>Ultramicroscopy</i> , 2010, 110, 1349-1357.	0.8	139
9	Functional Electrospun Polystyrene Nanofibers Incorporating $\hat{1}^{\pm}$, $\hat{1}^2$, and $\hat{1}^3$ -Cyclodextrins: Comparison of Molecular Filter Performance. <i>ACS Nano</i> , 2010, 4, 5121-5130.	7.3	137
10	Carbon Nanotube Reinforced Titanium Metal Matrix Composites Prepared by Powder Metallurgy—A Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2015, 40, 38-55.	6.8	137
11	Viscoelastic Modeling of Highly Hydrated Laminin Layers at Homogeneous and Nanostructured Surfaces: A Quantification of Protein Layer Properties Using QCM-D and SPR. <i>Langmuir</i> , 2007, 23, 9760-9768.	1.6	135
12	Ultrasensitive probing of the protein resistance of PEG surfaces by secondary ion mass spectrometry. <i>Biomaterials</i> , 2002, 23, 4775-4785.	5.7	133
13	Thermo-Responsive Core-Sheath Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. <i>Chemistry of Materials</i> , 2010, 22, 4214-4221.	3.2	116
14	Surface chemistry and moisture sorption properties of wood coated with multifunctional alkoxy silanes by sol-gel process. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2828-2841.	1.3	114
15	The influence of nanostructured materials on biointerfacial interactions. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1820-1839.	6.6	108
16	Molecular filters based on cyclodextrin functionalized electrospun fibers. <i>Journal of Membrane Science</i> , 2009, 332, 129-137.	4.1	103
17	Clinical observations of biofouling on PEO coated silicone hydrogel contact lenses. <i>Biomaterials</i> , 2010, 31, 5510-5519.	5.7	100
18	Stainless steel modified with poly(ethylene glycol) can prevent protein adsorption but not bacterial adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 32, 275-291.	2.5	92

#	ARTICLE	IF	CITATIONS
19	Surface modification and chemical surface analysis of biomaterials. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 667-676.	2.8	91
20	Electrospun Polystyrene Fiber Diameter Influencing Bacterial Attachment, Proliferation, and Growth. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7644-7652.	4.0	84
21	Using a Hydrazone-Protected Benzenediazonium Salt to Introduce a Near-Monolayer of Benzaldehyde on Glassy Carbon Surfaces. <i>Journal of the American Chemical Society</i> , 2009, 131, 4928-4936.	6.6	83
22	Modulation of human multipotent and pluripotent stem cells using surface nanotopographies and surface-immobilised bioactive signals: A review. <i>Acta Biomaterialia</i> , 2016, 45, 31-59.	4.1	80
23	Formation of palladium(0) nanoparticles at microbial surfaces. <i>Biotechnology and Bioengineering</i> , 2010, 107, 206-215.	1.7	78
24	Quantitative Analyses of MWCNT-Ti Powder Mixtures using Raman Spectroscopy: The Influence of Milling Parameters on Nanostructural Evolution. <i>Advanced Engineering Materials</i> , 2015, 17, 1660-1669.	1.6	78
25	Two-Photon Dual-Emissive Carbon Dot-Based Probe: Deep-Tissue Imaging and Ultrasensitive Sensing of Intracellular Ferric Ions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18395-18406.	4.0	78
26	Chemical degradation of fluoroelastomer in an alkaline environment. <i>Polymer Degradation and Stability</i> , 2004, 83, 195-206.	2.7	75
27	Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment. <i>Journal of Membrane Science</i> , 2010, 365, 409-417.	4.1	75
28	Chemical patterning in biointerface science. <i>Materials Today</i> , 2010, 13, 22-35.	8.3	75
29	Chemical degradation of crosslinked ethylene-propylene-diene rubber in an acidic environment. Part I. Effect on accelerated sulphur crosslinks. <i>Polymer Degradation and Stability</i> , 2006, 91, 69-80.	2.7	71
30	Two-dimensional patterning of thin coatings for the control of tissue outgrowth. <i>Biomaterials</i> , 2006, 27, 35-43.	5.7	69
31	Modulation of human mesenchymal and pluripotent stem cell behavior using biophysical and biochemical cues: A review. <i>Biotechnology and Bioengineering</i> , 2017, 114, 260-280.	1.7	69
32	On-chip anticancer drug screening – Recent progress in microfluidic platforms to address challenges in chemotherapy. <i>Biosensors and Bioelectronics</i> , 2019, 137, 236-254.	5.3	68
33	Surface-MALDI mass spectrometry in biomaterials research. <i>Biomaterials</i> , 2004, 25, 4861-4875.	5.7	66
34	Nanometer thickness laser ablation for spatial control of cell attachment. <i>Smart Materials and Structures</i> , 2002, 11, 792-799.	1.8	62
35	Accumulation of magnetic iron oxide nanoparticles coated with variably sized polyethylene glycol in murine tumors. <i>Nanoscale</i> , 2012, 4, 2352.	2.8	61
36	Antimicrobial Peptide-Based Electrospun Fibers for Wound Healing Applications. <i>Macromolecular Bioscience</i> , 2019, 19, e1800488.	2.1	61

#	ARTICLE	IF	CITATIONS
37	Enhancing the formation and shear resistance of nitrifying biofilms on membranes by surface modification. <i>Water Research</i> , 2009, 43, 3469-3478.	5.3	60
38	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.	7.8	60
39	Investigation of the hydrothermal stability of cross-linked liquid silicone rubber (LSR). <i>Polymer Degradation and Stability</i> , 2005, 90, 471-480.	2.7	59
40	Modulation of Human Mesenchymal Stem Cell Behavior on Ordered Tantalum Nanotopographies Fabricated Using Colloidal Lithography and Glancing Angle Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4979-4989.	4.0	59
41	Matrix-assisted laser desorption ionization mass spectrometry detection of proteins adsorbed in vivo onto contact lenses. , 2000, 49, 36-42.		56
42	Chemical degradation of crosslinked ethylene-propylene-diene rubber in an acidic environment. Part II. Effect of peroxide crosslinking in the presence of a coagent. <i>Polymer Degradation and Stability</i> , 2006, 91, 81-93.	2.7	53
43	Surface functionalisation of PLGA nanoparticles for gene silencing. <i>Biomaterials</i> , 2010, 31, 5671-5677.	5.7	53
44	Electrospinning of Cyclodextrin-Pseudopolyrotaxane Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9108-9111.	7.2	52
45	Highly Ordered Mixed Protein Patterns Over Large Areas from Self-Assembly of Binary Colloids. <i>Advanced Materials</i> , 2011, 23, 1519-1523.	11.1	52
46	On Surface-Initiated Atom Transfer Radical Polymerization Using Diazonium Chemistry To Introduce the Initiator Layer. <i>Langmuir</i> , 2011, 27, 1070-1078.	1.6	50
47	Self-assembled binary colloidal crystal monolayers as cell culture substrates. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2545-2552.	2.9	49
48	Production of active lysozyme films by matrix assisted pulsed laser evaporation at 355 nm. <i>Chemical Physics Letters</i> , 2007, 435, 350-353.	1.2	48
49	Cinnamaldehyde disrupts biofilm formation and swarming motility of <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2018, 164, 1087-1097.	0.7	46
50	Surface Modification of PET Films Using Pulsed AC Plasma Polymerisation Aimed at Preventing Protein Adsorption. <i>Plasma Processes and Polymers</i> , 2005, 2, 53-63.	1.6	45
51	Colloid Probe AFM Investigation of Interactions between Fibrinogen and PEG-Like Plasma Polymer Surfaces. <i>Langmuir</i> , 2006, 22, 313-318.	1.6	45
52	Layer-by-Layer Growth of Multicomponent Colloidal Crystals Over Large Areas. <i>Advanced Functional Materials</i> , 2011, 21, 2556-2563.	7.8	45
53	Influence of the surface structure on the filtration performance of UV-modified PES membranes. <i>Desalination</i> , 2002, 146, 265-271.	4.0	44
54	Chemical degradation of an uncrosslinked pure fluororubber in an alkaline environment. <i>Journal of Polymer Science Part A</i> , 2004, 42, 6216-6229.	2.5	43

#	ARTICLE	IF	CITATIONS
55	Direct Detection of Proteins Adsorbed on Synthetic Materials by Matrix-Assisted Laser Desorption Ionization–Mass Spectrometry. <i>Analytical Biochemistry</i> , 1999, 273, 156-162.	1.1	41
56	Stimulation of Early Osteochondral Differentiation of Human Mesenchymal Stem Cells Using Binary Colloidal Crystals (BCCs). <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4477-4488.	4.0	41
57	Characterisation and physical stability of PEGylated glucagon. <i>International Journal of Pharmaceutics</i> , 2007, 330, 89-98.	2.6	40
58	The formation and characterization of cyclodextrin functionalized polystyrene nanofibers produced by electrospinning. <i>Nanotechnology</i> , 2009, 20, 125605.	1.3	40
59	Minimization of protein adsorption on poly(vinylidene fluoride). <i>New Biotechnology</i> , 2002, 19, 177-182.	2.7	39
60	Large-Area Protein Patterns Generated by Ordered Binary Colloidal Assemblies as Templates. <i>ACS Nano</i> , 2011, 5, 3542-3551.	7.3	39
61	The Role of Nanometer-Scaled Ligand Patterns in Polyvalent Binding by Large Mannan-Binding Lectin Oligomers. <i>Journal of Immunology</i> , 2012, 188, 1292-1306.	0.4	39
62	Atmospheric pressure plasma treatment of glassy carbon for adhesion improvement. <i>International Journal of Adhesion and Adhesives</i> , 2007, 27, 402-408.	1.4	38
63	Controlled Release of Retinyl Acetate from β -Cyclodextrin Functionalized Poly(vinyl alcohol) Electrospun Nanofibers. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3481-3488.	2.4	38
64	Activity of Cinnamaldehyde on Quorum Sensing and Biofilm Susceptibility to Antibiotics in <i>Pseudomonas aeruginosa</i> . <i>Microorganisms</i> , 2020, 8, 455.	1.6	38
65	Effects of Surface Chemical Composition on the Early Growth Stages of β -Sexithienyl Films on Silicon Oxide Substrates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 258-263.	1.2	37
66	Characterization of lysozyme films produced by matrix assisted pulsed laser evaporation (MAPLE). <i>Applied Surface Science</i> , 2007, 253, 6451-6455.	3.1	37
67	Adhesion of food-borne bacteria to stainless steel is reduced by food conditioning films. <i>Journal of Applied Microbiology</i> , 2009, 106, 1268-1279.	1.4	37
68	Ordering of Binary Polymeric Nanoparticles on Hydrophobic Surfaces Assembled from Low Volume Fraction Dispersions. <i>Journal of the American Chemical Society</i> , 2007, 129, 13390-13391.	6.6	36
69	Entrapment of Subtilisin in Ceramic Sol–Gel Coating for Antifouling Applications. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5915-5921.	4.0	36
70	Tuning the hydrophobicity of mica surfaces by hyperthermal Ar ion irradiation. <i>Journal of Chemical Physics</i> , 2011, 134, 104705.	1.2	35
71	The recognition of adsorbed and denatured proteins of different topographies by β 2 integrins and effects on leukocyte adhesion and activation. <i>Biomaterials</i> , 2005, 26, 3039-3053.	5.7	34
72	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.	0.8	33

#	ARTICLE	IF	CITATIONS
73	Atmospheric Pressure Plasma Treatment of Glass Fibre Composite for Adhesion Improvement. <i>Plasma Processes and Polymers</i> , 2007, 4, S455-S459.	1.6	33
74	Binary colloidal crystals (BCCs): Interactions, fabrication, and applications. <i>Advances in Colloid and Interface Science</i> , 2018, 261, 102-127.	7.0	33
75	An investigation on changes in chemical properties of pure ethylene-propylene-diene rubber in aqueous acidic environments. <i>Materials Chemistry and Physics</i> , 2006, 98, 248-255.	2.0	32
76	Decreased material-activation of the complement system using low-energy plasma polymerized poly(vinyl pyrrolidone) coatings. <i>Biomaterials</i> , 2011, 32, 4481-4488.	5.7	32
77	Bacterial response to different surface chemistries fabricated by plasma polymerization on electrospun nanofibers. <i>Biointerphases</i> , 2015, 10, 04A301.	0.6	32
78	Binary colloidal crystals (BCCs) as a feeder-free system to generate human induced pluripotent stem cells (hiPSCs). <i>Scientific Reports</i> , 2016, 6, 36845.	1.6	32
79	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.	2.5	31
80	Protein aggregation and degradation during iodine labeling and its consequences for protein adsorption to biomaterials. <i>Analytical Biochemistry</i> , 2007, 361, 120-125.	1.1	31
81	Effect of nitinol wire surface properties on albumin adsorption. <i>Acta Biomaterialia</i> , 2007, 3, 103-111.	4.1	30
82	Studies on new polymeric biomaterials with tunable hydrophilicity, and their possible utility in corneal repair surgery. <i>Biomaterials</i> , 2002, 23, 1213-1219.	5.7	29
83	Effect of titanium surface topography on plasma deposition of antibacterial polymer coatings. <i>Applied Surface Science</i> , 2020, 521, 146375.	3.1	29
84	Hydrolysis and stability of thin pulsed plasma polymerised maleic anhydride coatings. <i>Applied Surface Science</i> , 2008, 254, 4720-4725.	3.1	28
85	Multicomponent colloidal crystals that are tunable over large areas. <i>Soft Matter</i> , 2011, 7, 3290.	1.2	27
86	Nanoscale Viscoelastic Behavior of the Surface of Thick Polystyrene Films as a Function of Temperature. <i>Macromolecules</i> , 2011, 44, 987-992.	2.2	27
87	Adsorption of Human Plasma Albumin and Fibronectin onto Nanostructured Black Silicon Surfaces. <i>Langmuir</i> , 2016, 32, 10744-10751.	1.6	27
88	Multifunctional cold spray coatings for biological and biomedical applications: A review. <i>Progress in Surface Science</i> , 2022, 97, 100654.	3.8	27
89	Mixed poly (ethylene glycol) and oligo (ethylene glycol) layers on gold as nonfouling surfaces created by backfilling. <i>Biointerphases</i> , 2011, 6, 180-188.	0.6	25
90	Binary Colloidal Crystals Drive Spheroid Formation and Accelerate Maturation of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3679-3689.	4.0	25

#	ARTICLE	IF	CITATIONS
91	Sputter deposited bioceramic coatings: surface characterisation and initial protein adsorption studies using surface-MALDI-MS. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 71-84.	1.7	24
92	Heterogeneity of mesenchymal and pluripotent stem cell populations grown on nanogrooves and nanopillars. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7927-7938.	2.9	24
93	ESC resistance of commercial grade polycarbonates during exposure to butter and related chemicals. <i>Polymer Degradation and Stability</i> , 2008, 93, 1486-1495.	2.7	23
94	Characterisation of internal morphologies in electrospun fibers by X-ray tomographic microscopy. <i>Nanoscale</i> , 2011, 3, 3594.	2.8	23
95	Indirect co-culture of lung carcinoma cells with hyperthermia-treated mesenchymal stem cells influences tumor spheroid growth in a collagen-based 3-dimensional microfluidic model. <i>Cytotherapy</i> , 2021, 23, 25-36.	0.3	23
96	A flow chamber assay for quantitative evaluation of bacterial surface colonization used to investigate the influence of temperature and surface hydrophilicity on the biofilm forming capacity of uropathogenic <i>Escherichia coli</i> . <i>Journal of Microbiological Methods</i> , 2010, 81, 135-140.	0.7	22
97	Bacterial adhesion to stainless steel is reduced by aqueous fish extract coatings. <i>Biofilms</i> , 2006, 3, 25-36.	0.6	21
98	The method of surface PEGylation influences leukocyte adhesion and activation. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 203-211.	1.7	21
99	Investigating the role of anionic surfactant and polymer morphology on the environmental stress cracking (ESC) of high-density polyethylene. <i>Polymer Degradation and Stability</i> , 2005, 89, 442-453.	2.7	20
100	Modification of Glassy Carbon Surfaces by Atmospheric Pressure Cold Plasma Torch. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 8506-8511.	0.8	20
101	Tuning the Density of Poly(ethylene glycol) Chains to Control Mammalian Cell and Bacterial Attachment. <i>Polymers</i> , 2017, 9, 343.	2.0	20
102	The Mechanisms of Restenosis and Relevance to Next Generation Stent Design. <i>Biomolecules</i> , 2022, 12, 430.	1.8	20
103	Fluorescent Aromatic Platforms for Cell Patterning. <i>Langmuir</i> , 2006, 22, 5528-5532.	1.6	19
104	Electrochemical modification of chromium surfaces using 4-nitro- and 4-fluorobenzenediazonium salts. <i>New Journal of Chemistry</i> , 2009, 33, 2405.	1.4	19
105	Microcup Arrays Featuring Multiple Chemical Regions Patterned with Nanoscale Precision. <i>Advanced Materials</i> , 2011, 23, 1876-1881.	11.1	19
106	Binary Colloidal Crystal Layers as Platforms for Surface Patterning of Puroindoline-Based Antimicrobial Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2264-2274.	4.0	19
107	Decoration of Material Surfaces with Complex Physicochemical Signals for Biointerface Applications. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 1836-1851.	2.6	19
108	Selective Cytotoxicity of a Novel Trp-Rich Peptide against Lung Tumor Spheroids Encapsulated inside a 3D Microfluidic Device. <i>Advanced Biology</i> , 2020, 4, e1900285.	3.0	19

#	ARTICLE	IF	CITATIONS
109	Distinguishing surface sites involved in the adsorption of lead onto sinapinaldehyde-functionalised mesocellular foam mesoporous silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 552, 153-160.	2.3	18
110	The influence of PEG-thiol derivatives on controlling cellular and bacterial interactions with gold surfaces. <i>Applied Surface Science</i> , 2018, 462, 980-990.	3.1	18
111	Tunable Chemical and Topographic Patterns Based on Binary Colloidal Crystals (BCCs) to Modulate MG63 Cell Growth. <i>Advanced Functional Materials</i> , 2019, 29, 1904262.	7.8	18
112	Decellularized extracellular matrix hydrogels' cell behavior as a function of matrix stiffness. <i>Current Opinion in Biomedical Engineering</i> , 2019, 10, 123-133.	1.8	18
113	Photo-crosslinked coatings based on 2-hydroxypropyl acrylamide for the prevention of biofouling. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3520-3527.	2.9	17
114	Grafting of Thin Organic Films by Electrooxidation of Arylhydrazines. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13343-13352.	1.5	16
115	Characterization of Plasma-Polymerized Fused Polycyclic Compounds for Binding Conducting Polymers. <i>Plasma Processes and Polymers</i> , 2005, 2, 319-327.	1.6	15
116	Characterization of β -cyclodextrin modified SiO ₂ . <i>Surface and Interface Analysis</i> , 2011, 43, 884-892.	0.8	15
117	Optimizing the surface density of polyethylene glycol chains by grafting from binary solvent mixtures. <i>Applied Surface Science</i> , 2015, 341, 134-141.	3.1	15
118	Rapid Self-Assembly of Shaped Microtiles into Large, Close-Packed Crystalline Monolayers on Solid Surfaces. <i>Small</i> , 2016, 12, 1309-1314.	5.2	15
119	Controlled Attachment of <i>Pseudomonas aeruginosa</i> with Binary Colloidal Crystal-Based Topographies. <i>Small</i> , 2018, 14, e1703574.	5.2	15
120	Surface oxide formation during corona discharge treatment of AA 1050 aluminium surfaces. <i>Corrosion Science</i> , 2008, 50, 1321-1330.	3.0	13
121	Response of MG63 osteoblast-like cells to ordered nanotopographies fabricated using colloidal self-assembly and glancing angle deposition. <i>Biointerphases</i> , 2015, 10, 04A306.	0.6	13
122	Enhanced attachment of human mesenchymal stem cells on nanograined titania surfaces. <i>RSC Advances</i> , 2016, 6, 55825-55833.	1.7	13
123	Advancing of 3D-Printed Titanium Implants with Combined Antibacterial Protection Using Ultrasharp Nanostructured Surface and Gallium-Releasing Agents. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 314-327.	2.6	13
124	Preventing Protein Adsorption from a Range of Surfaces Using an Aqueous Fish Protein Extract. <i>Biomacromolecules</i> , 2009, 10, 2759-2766.	2.6	12
125	Surface modification of chromatography adsorbents by low temperature low pressure plasma. <i>Journal of Chromatography A</i> , 2010, 1217, 6905-6916.	1.8	12
126	Growth of thin films of low molecular weight proteins by matrix assisted pulsed laser evaporation (MAPLE). <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 629-633.	1.1	12

#	ARTICLE	IF	CITATIONS
127	Surface chemistry of grafted expanded poly(tetrafluoroethylene) membranes modifies the <i>in vitro</i> proinflammatory response in macrophages. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1047-1058.	2.1	12
128	Colloidal crystal based plasma polymer patterning to control <i>Pseudomonas aeruginosa</i> attachment to surfaces. <i>Biointerphases</i> , 2015, 10, 04A309.	0.6	12
129	Minimal attachment of <i>Pseudomonas aeruginosa</i> to DNA modified surfaces. <i>Biointerphases</i> , 2018, 13, 06E405.	0.6	12
130	Laminin coated diamond electrodes for neural stimulation. <i>Materials Science and Engineering C</i> , 2021, 118, 111454.	3.8	12
131	High-Resolution Surface Chemical Analysis of a Trifunctional Pattern Made by Sequential Colloidal Shadowing. <i>ChemPhysChem</i> , 2010, 11, 3609-3616.	1.0	11
132	Surface Analysis of PEGylated Nano-Shields on Nanoparticles Installed by Hydrophobic Anchors. <i>Pharmaceutical Research</i> , 2013, 30, 1758-1767.	1.7	10
133	Physicochemical characterization of fish protein adlayers with bacteria repelling properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 504-510.	2.5	10
134	Electrostatic and capillary force directed tunable 3D binary micro- and nanoparticle assemblies on surfaces. <i>Nanotechnology</i> , 2011, 22, 225601.	1.3	9
135	Polymerizable Peptide Copolymer Coatings for the Control of Biointerfacial Interactions. <i>Biomacromolecules</i> , 2014, 15, 2265-2273.	2.6	9
136	Surface Analysis of Biomaterials. , 2009, , 529-564.		9
137	High fluence deposition of polyethylene glycol films at 1064nm by matrix assisted pulsed laser evaporation (MAPLE). <i>Applied Surface Science</i> , 2007, 253, 7952-7956.	3.1	8
138	Molecular Mechanisms of Aluminum Oxide Thin Film Growth on Polystyrene during Atomic Layer Deposition. <i>Chemistry - A European Journal</i> , 2010, 16, 13925-13929.	1.7	8
139	Colloid-probe AFM studies of the interaction forces of proteins adsorbed on colloidal crystals. <i>Soft Matter</i> , 2015, 11, 3188-3197.	1.2	8
140	Topographical Modulation of Pluripotency and Differentiation of Human Embryonic Stem Cells. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 381-384.	1.1	8
141	Influence of Liver Extracellular Matrix in Predicting Drug-Induced Liver Injury: An Alternate Paradigm. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 834-846.	2.6	8
142	<i>Excimer laser ablation for spatially controlled protein patterns</i> . , 2001, , .		7
143	Plasma polymerized thin films of maleic anhydride and 1,2-methylenedioxybenzene for improving adhesion to carbon surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 1108-1117.	0.9	7
144	Harnessing Colloidal Self-Assembled Patterns (cSAPs) to Regulate Bacterial and Human Stem Cell Response at Biointerfaces <i>In Vitro</i> and <i>In Vivo</i> . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20982-20994.	4.0	7

#	ARTICLE	IF	CITATIONS
145	Adsorption and enzymatic cleavage of osteopontin at interfaces with different surface chemistries. <i>Biointerfaces</i> , 2009, 4, 47-55.	0.6	6
146	Harnessing the perinuclear actin cap (pnAC) to influence nanocarrier trafficking and gene transfection efficiency in skeletal myoblasts using nanopillars. <i>Acta Biomaterialia</i> , 2020, 111, 221-231.	4.1	6
147	Limitations of Using Raman Microscopy for the Analysis of High-Content-Carbon-Filled Ethylene Propylene Diene Monomer Rubber. <i>Applied Spectroscopy</i> , 2003, 57, 1482-1486.	1.2	5
148	Guiding the Dewetting of Thin Polymer Films by Colloidal Imprinting. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500068.	1.9	5
149	Fibroblast Responses Toward Colloidal Assemblies and Plasma Polymer Coating. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 385-388.	1.1	5
150	Surface characterisation of ethylene- α -propylene- α -diene rubber upon exposure to aqueous acidic solution. <i>Applied Surface Science</i> , 2006, 252, 6280-6288.	3.1	4
151	The adsorption characteristics of osteopontin on hydroxyapatite and gold. <i>Materials Science and Engineering C</i> , 2011, 31, 514-522.	3.8	4
152	Conductive, Acid-Doped Polyaniline Electrospun Nanofiber Gas Sensing Substrates Made Using a Facile Dissolution Method. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52950-52959.	4.0	4
153	Decontamination-Induced Modification of Bioactivity in Essential Oil-Based Plasma Polymer Coatings. <i>Molecules</i> , 2021, 26, 7133.	1.7	4
154	Colloidal Self-Assembled Patterns Maintain the Pluripotency and Promote the Hemopoietic Potential of Human Embryonic Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 771773.	1.8	4
155	A Combinatorial Library of Micro- α -Topographies and Chemical Compositions for Tailored Surface Wettability. <i>Advanced Engineering Materials</i> , 2011, 13, 516-524.	1.6	3
156	Use of polystyrene brushes to investigate the role of interface between substrates and thin homogeneous films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1149-1156.	2.4	3
157	A Novel Approach to Quantitatively Assess the Uniformity of Binary Colloidal Crystal Assemblies. <i>Crystals</i> , 2016, 6, 84.	1.0	3
158	Colloid-probe AFM studies of the surface functionality and adsorbed proteins on binary colloidal crystal layers. <i>RSC Advances</i> , 2017, 7, 7329-7337.	1.7	3
159	Binary Colloidal Crystal (BCC) Substrates for Controlling the Fate of Mouse Embryonic Stem Cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111133.	2.5	3
160	Manufacture of Chemically Modified Antibacterial Surfaces. , 2015, , 61-88.		1
161	A nanofiber based antiviral (TAF) prodrug delivery system. <i>Materials Science and Engineering C</i> , 2022, 133, 112626.	3.8	1
162	Colloidal Crystals: Guiding the Dewetting of Thin Polymer Films by Colloidal Imprinting (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.9	

#	ARTICLE	IF	CITATIONS
163	XPS, ToF-SIMS, and MALDI-MS for Characterizing Adsorbed Protein Films. <i>Surfactant Science</i> , 2003, , .	0.0	0
164	Protein Adsorption: Measurement. , 0, , 6105-6129.		0
165	Galactose Tethered Decellularized Liver Matrix: Toward a Biomimetic and Biofunctional Matrix for Liver Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2022, 5, 3023-3037.	2.3	0