

Graham J Leggett

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155
papers

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43
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162
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5,740
ext. citations

7
avg, IF

5.64
L-index

#	Paper	IF	Citations
155	Templated formation of giant polymer vesicles with controlled size distributions. <i>Nature Materials</i> , 2009 , 8, 507-11	27	176
154	Protein adsorption and human osteoblast-like cell attachment and growth on alkylthiol on gold self-assembled monolayers. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 84-99		159
153	Friction Force Microscopy of Self-Assembled Monolayers: Influence of Adsorbate Alkyl Chain Length, Terminal Group Chemistry, and Scan Velocity. <i>Langmuir</i> , 2001 , 17, 1970-1974	4	154
152	Zwitterionic poly(amino acid methacrylate) brushes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9404-13	16.4	141
151	Poly(glycerol monomethacrylate)Poly(benzyl methacrylate) Diblock Copolymer Nanoparticles via RAFT Emulsion Polymerization: Synthesis, Characterization, and Interfacial Activity. <i>Macromolecules</i> , 2014 , 47, 5613-5623	5.5	135
150	Influence of Adsorbate Ordering on Rates of UV Photooxidation of Self-Assembled Monolayers. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 6657-6662		132
149	Matching the Resolution of Electron Beam Lithography by Scanning Near-Field Photolithography. <i>Nano Letters</i> , 2004 , 4, 1381-1384	11.5	128
148	Nanoscale molecular patterns fabricated by using scanning near-field optical lithography. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2414-5	16.4	119
147	Influence of Tail-Group Hydrogen Bonding on the Stabilities of Self-Assembled Monolayers of Alkylthiols on Gold. <i>Langmuir</i> , 1999 , 15, 1024-1032	4	109
146	Structure and Mechanism of Photooxidation of Self-assembled Monolayers of Alkylthiols on Silver Studied by XPS and Static SIMS. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 174-184	3.4	106
145	Oxidation of self-assembled monolayers by UV light with a wavelength of 254 nm. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4089-90	16.4	100
144	Static Secondary Ion Mass Spectrometry Studies of Self-Assembled Monolayers: Influence of Adsorbate Chain Length and Terminal Functional Group on Rates of Photooxidation of Alkanethiols on Gold. <i>Langmuir</i> , 1998 , 14, 4795-4801	4	94
143	Growth of human osteoblast-like cells on alkanethiol on gold self-assembled monolayers: the effect of surface chemistry. <i>Journal of Biomedical Materials Research Part B</i> , 1998 , 41, 431-42		87
142	Fabrication of biomolecular nanostructures by scanning near-field photolithography of oligo(ethylene glycol)-terminated self-assembled monolayers. <i>Langmuir</i> , 2007 , 23, 7328-37	4	82
141	Integration of energy and electron transfer processes in the photosynthetic membrane of <i>Rhodobacter sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 1769-80	4.6	80
140	Scanning near-field photolithography--surface photochemistry with nanoscale spatial resolution. <i>Chemical Society Reviews</i> , 2006 , 35, 1150-61	58.5	76
139	Friction force microscopy of alkylphosphonic acid and carboxylic acids adsorbed on the native oxide of aluminum. <i>Langmuir</i> , 2006 , 22, 9254-9	4	74

138	Chemical force microscopy of mixed self-assembled monolayers of alkanethiols on gold: evidence for phase separation. <i>Langmuir</i> , 2004 , 20, 4109-15	4	74
137	Parallel scanning near-field photolithography: the snomipede. <i>Nano Letters</i> , 2010 , 10, 4375-80	11.5	71
136	Effect of brush thickness and solvent composition on the friction force response of poly(2-(methacryloyloxy)ethylphosphorylcholine) brushes. <i>Langmuir</i> , 2011 , 27, 2514-21	4	70
135	Photooxidation of self-assembled monolayers by exposure to light of wavelength 254 nm: a static SIMS study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11247-56	3.4	70
134	Fabrication of biological nanostructures by scanning near-field photolithography of chloromethylphenylsiloxane monolayers. <i>Nano Letters</i> , 2006 , 6, 29-33	11.5	70
133	Fabrication of gold micro- and nanostructures by photolithographic exposure of thiol-stabilized gold nanoparticles. <i>Nano Letters</i> , 2006 , 6, 345-50	11.5	68
132	Generation of Nanostructures by Scanning Near-Field Photolithography of Self-Assembled Monolayers and Wet Chemical Etching. <i>Nano Letters</i> , 2002 , 2, 1223-1227	11.5	66
131	Friction force microscopy of self-assembled monolayers: probing molecular organisation at the nanometre scale. <i>Analytica Chimica Acta</i> , 2003 , 479, 17-38	6.6	65
130	Friction and adhesion of mixed self-assembled monolayers studied by chemical force microscopy. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 3345-3350	3.6	64
129	Scanning force microscopy investigation of poly(ethylene terephthalate) modified by argon plasma treatment. <i>Journal of Materials Chemistry</i> , 1998 , 8, 1735-1742		63
128	Functionalization of Hydroxyl and Carboxylic Acid Terminated Self-Assembled Monolayers. <i>Langmuir</i> , 1997 , 13, 2740-2748	4	61
127	Friction force microscopy: towards quantitative analysis of molecular organisation with nanometre spatial resolution. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 1107-20	3.6	59
126	Effect of Salt on Phosphorylcholine-based Zwitterionic Polymer Brushes. <i>Langmuir</i> , 2016 , 32, 5048-57	4	58
125	Rates of attachment of fibroblasts to self-assembled monolayers formed by the adsorption of alkylthiols onto gold surfaces. <i>Journal of Materials Chemistry</i> , 1997 , 7, 435-441		55
124	Variation of Frictional Forces in Air with the Compositions of Heterogeneous Organic Surfaces. <i>Langmuir</i> , 2000 , 16, 735-739	4	55
123	An empirical model for ion formation from polymer surfaces during analysis by secondary ion mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1992 , 122, 281-319		54
122	Comparative Investigations of the Packing and Ambient Stability of Self-Assembled Monolayers of Alkanethiols on Gold and Silver by Friction Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4723-4728	3.4	52
121	Site-specific immobilization and micrometer and nanometer scale photopatterning of yellow fluorescent protein on glass surfaces. <i>Journal of the American Chemical Society</i> , 2009 , 131, 896-7	16.4	51

120	Directed formation of micro- and nanoscale patterns of functional light-harvesting LH2 complexes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14625-31	16.4	50
119	Protein patterning by UV-induced photodegradation of poly(oligo(ethylene glycol) methacrylate) brushes. <i>Langmuir</i> , 2010 , 26, 9937-42	4	49
118	One-step photochemical introduction of nanopatterned protein-binding functionalities to oligo(ethylene glycol)-terminated self-assembled monolayers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14842-3	16.4	49
117	Correlation of friction, adhesion, wettability and surface chemistry after argon plasma treatment of poly(ethylene terephthalate). <i>Journal of Materials Chemistry</i> , 1998 , 8, 2845-2854		48
116	Functionalised nanoscale coatings using layer-by-layer assembly for imparting antibacterial properties to polylactide-co-glycolide surfaces. <i>Acta Biomaterialia</i> , 2015 , 21, 35-43	10.8	45
115	Quantitative investigation of the photodegradation of polyethylene terephthalate film by friction force microscopy, contact-angle goniometry, and X-ray photoelectron spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1688-97	9.5	45
114	Micrometer and Nanometer Scale Photopatterning of Self-Assembled Monolayers of Phosphonic Acids on Aluminum Oxide. <i>Nano Letters</i> , 2007 , 7, 3753-3758	11.5	44
113	Comparison of proliferation and growth of human keratinocytes on plasma copolymers of acrylic acid/1,7-octadiene and self-assembled monolayers. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 47, 379-87		44
112	Use of AFM to probe the adsorption strength and time-dependent changes of albumin on self-assembled monolayers. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 67, 548-58		43
111	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. <i>Nano Letters</i> , 2016 , 16, 6850-6856	11.5	43
110	A comparative investigation of methods for protein immobilization on self-assembled monolayers using glutaraldehyde, carbodiimide, and anhydride reagents. <i>Biointerphases</i> , 2008 , 3, 59-65	1.8	41
109	Effects of damage during the SIMS analysis of poly(vinyl chloride) and poly(methyl methacrylate). <i>Applied Surface Science</i> , 1992 , 55, 105-115	6.7	41
108	Surface studies by static secondary ion mass spectrometry: cluster ion formation studied by tandem mass-spectrometric techniques. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992 , 88, 297		40
107	Direct Imaging of Protein Organization in an Intact Bacterial Organelle Using High-Resolution Atomic Force Microscopy. <i>ACS Nano</i> , 2017 , 11, 126-133	16.7	38
106	Protein micro- and nanopatterning using aminosilanes with protein-resistant photolabile protecting groups. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2749-59	16.4	38
105	Influence of solvent environment and tip chemistry on the contact mechanics of tip-sample interactions in friction force microscopy of self-assembled monolayers of mercaptoundecanoic Acid and dodecanethiol. <i>Langmuir</i> , 2007 , 23, 4959-64	4	38
104	Photopatterning, etching, and derivatization of self-assembled monolayers of phosphonic acids on the native oxide of titanium. <i>Langmuir</i> , 2009 , 25, 10746-53	4	37
103	The influence of surface lubricity on the adhesion of <i>Navicula perminuta</i> and <i>Ulva linza</i> to alkanethiol self-assembled monolayers. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 473-7	4.1	37

102	Directed single molecule diffusion triggered by surface energy gradients. <i>ACS Nano</i> , 2009 , 3, 3235-43	16.7	36
101	Characterization of plasma-deposited styrene films by XPS and static SIMS. <i>Surface and Interface Analysis</i> , 1995 , 23, 22-28	1.5	35
100	Nanopatterned polymer brushes as switchable bioactive interfaces. <i>Nanoscale</i> , 2013 , 5, 3632-7	7.7	34
99	Large-area nanopatterning of self-assembled monolayers of alkanethiolates by interferometric lithography. <i>Langmuir</i> , 2010 , 26, 13600-6	4	34
98	Static secondary ion mass spectrometry studies of self-assembled monolayers: electron beam degradation of alkanethiols on gold. <i>Journal of Materials Chemistry</i> , 1999 , 9, 923-928		34
97	Light-directed nanosynthesis: near-field optical approaches to integration of the top-down and bottom-up fabrication paradigms. <i>Nanoscale</i> , 2012 , 4, 1840-55	7.7	33
96	Influence of the solvent environment on the contact mechanics of tip-sample interactions in friction force microscopy of poly(ethylene terephthalate) films. <i>Langmuir</i> , 2006 , 22, 4179-83	4	33
95	Nanowear of polystyrene surfaces: molecular entanglement and bundle formation. <i>Nanotechnology</i> , 2005 , 16, 675-682	3.4	33
94	Role of electronic particle-surface interactions during the sputter degradation of polymers. <i>Analytical Chemistry</i> , 1991 , 63, 561-568	7.8	33
93	Micrometer- and nanometer-scale photopatterning using 2-nitrophenylpropyloxycarbonyl-protected aminosiloxane monolayers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1513-22	16.4	31
92	Micro- and nanostructured poly[oligo(ethylene glycol)methacrylate] brushes grown from photopatterned halogen initiators by atom transfer radical polymerization. <i>Biointerphases</i> , 2011 , 6, 8-15 ^{1.8}		30
91	Photopatterning of self-assembled monolayers at 244 nm and applications to the fabrication of functional microstructures and nanostructures. <i>Nanotechnology</i> , 2005 , 16, 1798-1808	3.4	30
90	Augmenting light coverage for photosynthesis through YFP-enhanced charge separation at the <i>Rhodobacter sphaeroides</i> reaction centre. <i>Nature Communications</i> , 2017 , 8, 13972	17.4	29
89	Nanoscale contact mechanics of biocompatible polyzwitterionic brushes. <i>Langmuir</i> , 2013 , 29, 10684-92	4	29
88	Contact mechanics of nanometer-scale molecular contacts: correlation between adhesion, friction, and hydrogen bond thermodynamics. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8625-32	16.4	28
87	The effect of alkyl chain length and terminal group chemistry on the attachment and growth of murine 3T3 fibroblasts and primary human osteoblasts on self-assembled monolayers of alkanethiols on gold. <i>Journal of Materials Chemistry</i> , 2000 , 10, 133-139		28
86	Micro-/nano-patterning of DNA and rapid readout with SERS tags. <i>Chemical Communications</i> , 2010 , 46, 5292-4	5.8	27
85	Biocompatible polymer brushes grown from model quartz fibres: synthesis, characterisation and in situ determination of frictional coefficient. <i>Soft Matter</i> , 2010 , 6, 1571	3.6	27

84	Nanotribology of biaxially oriented poly(ethylene terephthalate) film. <i>Polymer</i> , 2001 , 42, 7025-7031	3.9	27
83	Highly efficient fluoride extraction from simulant leachate of spent potlining via La-loaded chelating resin. An equilibrium study. <i>Journal of Hazardous Materials</i> , 2019 , 361, 200-209	12.8	27
82	A mild etch for the fabrication of three-dimensional nanostructures in gold. <i>Journal of the American Chemical Society</i> , 2006 , 128, 392-3	16.4	26
81	Influence of mechanical properties on the nanowear of uniaxially oriented poly(ethylene terephthalate) film. <i>Wear</i> , 2004 , 256, 118-125	3.5	26
80	Nanoscale Contact Mechanics between Two Grafted Polyelectrolyte Surfaces. <i>Macromolecules</i> , 2015 , 48, 6272-6279	5.5	25
79	Photocatalytic nanolithography of self-assembled monolayers and proteins. <i>ACS Nano</i> , 2013 , 7, 7610-8	16.7	25
78	A SEXAFS investigation of self-assembled monolayers on silver. <i>Surface Science</i> , 1998 , 397, 154-163	1.8	25
77	Scanning force microscopy of poly(ethylene terephthalate) surfaces: comparison of SEM with SFM topographical, lateral force and force modulation data. <i>Polymer</i> , 1997 , 38, 2617-2625	3.9	23
76	Optical nanolithography using a scanning near-field probe with an integrated light source. <i>Applied Physics Letters</i> , 2008 , 93, 213103	3.4	23
75	Generation of Molecular-Scale Compositional Gradients in Self-Assembled Monolayers. <i>Nano Letters</i> , 2007 , 7, 3747-3752	11.5	22
74	Measurement of the kinetics of photo-oxidation of self-assembled monolayers using friction force microscopy. <i>Langmuir</i> , 2005 , 21, 3903-9	4	22
73	A novel design strategy for nanoparticles on nanopatterns: interferometric lithographic patterning of Mms6 biotemplated magnetic nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3948-3955	7.1	21
72	Fabrication of molecular nanopatterns at aluminium oxide surfaces by nanoshaving of self-assembled monolayers of alkylphosphonates. <i>Nanoscale</i> , 2013 , 5, 11125-31	7.7	21
71	Biological nanostructures: platforms for analytical chemistry at the sub-zeptomolar level. <i>Analyst</i> , 2005 , 130, 259-64	5	21
70	Relationship between molecular contact thermodynamics and surface contact mechanics. <i>Langmuir</i> , 2012 , 28, 17709-17	4	20
69	Frictional, adhesive and mechanical properties of polyester films probed by scanning force microscopy 1999 , 27, 1084-1091		20
68	Frictional properties of a polycationic brush. <i>Soft Matter</i> , 2014 , 10, 2759-66	3.6	19
67	Desorption of Butanethiol from Au(111) during Storage in Ultrahigh Vacuum: Effects on Surface Coverage and Stability toward Displacement by Solution-Phase Thiols. <i>Langmuir</i> , 1997 , 13, 3055-3058	4	19

66	Micrometer and nanometer scale patterning using the photo-fries rearrangement: toward selective execution of molecular transformations with nanoscale spatial resolution. <i>Langmuir</i> , 2008 , 24, 12420-5	4	19
65	Characterisation of the mechanical properties of plasma-polymerised coatings by nanoindentation and nanotribology. <i>Journal of Materials Science</i> , 2002 , 37, 4919-4927	4.3	19
64	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. <i>Chemical Science</i> , 2017 , 8, 4517-4526	9.4	18
63	Fabrication of Two-Component, Brush-on-Brush Topographical Microstructures by Combination of Atom-Transfer Radical Polymerization with Polymer End-Functionalization and Photopatterning. <i>Langmuir</i> , 2015 , 31, 5935-44	4	18
62	Fabrication of Nanometer- and Micrometer-Scale Protein Structures by Site-Specific Immobilization of Histidine-Tagged Proteins to Aminosiloxane Films with Photoremovable Protein-Resistant Protecting Groups. <i>Langmuir</i> , 2016 , 32, 1818-27	4	18
61	Use of engineered unique cysteine residues to facilitate oriented coupling of proteins directly to a gold substrate. <i>Photochemistry and Photobiology</i> , 2011 , 87, 1050-7	3.6	18
60	Large area nanopatterning of alkylphosphonate self-assembled monolayers on titanium oxide surfaces by interferometric lithography. <i>Nanoscale</i> , 2011 , 3, 2511-6	7.7	17
59	Applications of tandem quadrupole mass spectrometry in SIMS. <i>Surface and Interface Analysis</i> , 1990 , 16, 3-8	1.5	17
58	Fabrication of Self-Cleaning, Reusable Titania Templates for Nanometer and Micrometer Scale Protein Patterning. <i>ACS Nano</i> , 2015 , 9, 6262-70	16.7	16
57	Facile Formation of Highly Mobile Supported Lipid Bilayers on Surface-Quaternized pH-Responsive Polymer Brushes. <i>Macromolecules</i> , 2015 , 48, 3095-3103	5.5	16
56	New poly(amino acid methacrylate) brush supports the formation of well-defined lipid membranes. <i>Langmuir</i> , 2015 , 31, 3668-77	4	16
55	Scanning force microscopy of polyester films: contact versus non-contact imaging and tip-induced wear experiments. <i>Polymer</i> , 1998 , 39, 5913-5921	3.9	16
54	Spatial control over cross-linking dictates the pH-responsive behavior of poly(2-(tert-butylamino)ethyl methacrylate) brushes. <i>Langmuir</i> , 2014 , 30, 1391-400	4	15
53	Fabrication of microstructured binary polymer brush "corrals" with integral pH sensing for studies of proton transport in model membrane systems. <i>Chemical Science</i> , 2018 , 9, 2238-2251	9.4	14
52	Fast, simple, combinatorial routes to the fabrication of reusable, plasmonically active gold nanostructures by interferometric lithography of self-assembled monolayers. <i>ACS Nano</i> , 2014 , 8, 7858-69	16.7	14
51	The mechanics of nanometre-scale molecular contacts. <i>Faraday Discussions</i> , 2012 , 156, 325-41; discussion 413-34	3.6	14
50	Fabrication of submicrometer biomolecular patterns by near-field exposure of plasma-polymerized tetraglyme films. <i>Langmuir</i> , 2010 , 26, 10203-9	4	13
49	Fabrication of Cellular Wires on Micropatterned Monolayers of Short-Chain Alkanethiols on Gold. <i>Langmuir</i> , 1996 , 12, 5494-5497	4	13

48	Collision target-gas effects during the tandem secondary-ion mass-spectrometric analysis of polymers. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990 , 86, 1863		13
47	Influence of molecular weight on friction force microscopy of polystyrene and poly(methyl methacrylate) films: correlation between coefficient of friction and chain entanglement. <i>Langmuir</i> , 2009 , 25, 2217-24	4	12
46	Chemisorption of thiol compounds onto gold surfaces studied by static secondary ion mass spectrometry and relevance of data to ion formation mechanisms during sputtering. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 179		12
45	Generic methods for micrometer- and nanometer-scale surface derivatization based on photochemical coupling of primary amines to monolayers of aryl azides on gold and aluminum oxide surfaces. <i>Langmuir</i> , 2013 , 29, 1083-92	4	11
44	Micrometer and nanometer scale photopatterning of proteins on glass surfaces by photo-degradation of films formed from oligo(ethylene glycol) terminated silanes. <i>Biointerphases</i> , 2012 , 7, 54	1.8	11
43	Direct writing of metal nanostructures: lithographic tools for nanoplasmonics research. <i>ACS Nano</i> , 2011 , 5, 1575-9	16.7	11
42	Nanoscale biomolecular structures on self-assembled monolayers generated from modular pegylated disulfides. <i>Chemistry - A European Journal</i> , 2010 , 16, 12234-43	4.8	11
41	Application of tandem analyser to SIMS studies of hydrocarbon polymers. <i>Surface and Interface Analysis</i> , 1991 , 17, 737-744	1.5	11
40	Versatile thiol-based reactions for micrometer- and nanometer-scale photopatterning of polymers and biomolecules. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4431-4438	7.3	10
39	Salt Dependence of the Tribological Properties of a Surface-Grafted Weak Polycation in Aqueous Solution. <i>Tribology Letters</i> , 2018 , 66, 11	2.8	9
38	Sub-10 ohm resistance gold films prepared by removal of ligands from thiol-stabilized 6 nm gold nanoparticles. <i>Langmuir</i> , 2010 , 26, 4331-8	4	9
37	Quantitative kinetic measurements of the esterification of self-assembled monolayers of mercaptoundecanol by trifluoroacetic anhydride using friction force microscopy. <i>Langmuir</i> , 2009 , 25, 9182-8	4	9
36	Tapping mode and phase imaging of biaxially oriented polyester films. <i>Surface and Interface Analysis</i> , 2001 , 31, 39-45	1.5	9
35	From Monochrome to Technicolor: Simple Generic Approaches to Multicomponent Protein Nanopatterning Using Siloxanes with Photoremovable Protein-Resistant Protecting Groups. <i>Langmuir</i> , 2017 , 33, 8829-8837	4	8
34	Morphological and quantitative frictional measurements of cotton fibres using friction force microscopy. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8531		8
33	Nanotribological properties of nanostructured poly(cysteine methacrylate) brushes. <i>Soft Matter</i> , 2017 , 13, 2075-2084	3.6	7
32	Turning the challenge of quantum biology on its head: biological control of quantum optical systems. <i>Faraday Discussions</i> , 2019 , 216, 57-71	3.6	7
31	Interference lithographic nanopatterning of plant and bacterial light-harvesting complexes on gold substrates. <i>Interface Focus</i> , 2015 , 5, 20150005	3.9	7

30	Nanotribological characterization of human head hair by friction force microscopy in dry atmosphere and aqueous environment. <i>Biointerphases</i> , 2010 , 5, 60-8	1.8	7
29	Synthesis, monolayer formation, characterization, and nanometer-scale photolithographic patterning of conjugated oligomers bearing terminal thioacetates. <i>Langmuir</i> , 2010 , 26, 4449-58	4	7
28	Photochemical fabrication of three-dimensional micro- and nano-structured surfaces from a C60 monoadduct. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2016		7
27	Nanowear in scanning force microscopy: Information on deposits formed in and downstream of a hexane plasma. <i>Journal of Applied Physics</i> , 2002 , 91, 3841-3846	2.5	7
26	A synthetic biological quantum optical system. <i>Nanoscale</i> , 2018 , 10, 13064-13073	7.7	7
25	Nano- and micro-patterning biotemplated magnetic CoPt arrays. <i>Nanoscale</i> , 2016 , 8, 11738-47	7.7	6
24	DNA nanofabrication by scanning near-field photolithography of oligo(ethylene glycol) terminated SAMs: Controlled scan-rate dependent switching between head group oxidation and tail group degradation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14173		6
23	Photo-deprotection patterning of self-assembled monolayers. <i>Journal of Experimental Nanoscience</i> , 2007 , 2, 279-290	1.9	6
22	A tandem SIMS study of poly(vinyl methyl ether). <i>Surface and Interface Analysis</i> , 1992 , 18, 210-216	1.5	6
21	Nanotribological Investigation of Polymer Brushes with Lithographically Defined and Systematically Varying Grafting Densities. <i>Langmuir</i> , 2017 , 33, 706-713	4	5
20	Parallel scanning near-field photolithography in liquid: The Snomipede. <i>Microelectronic Engineering</i> , 2011 , 88, 2109-2112	2.5	5
19	The Snomipede: A parallel platform for scanning near-field photolithography. <i>Journal of Materials Research</i> , 2011 , 26, 2997-3008	2.5	5
18	The structure of the PET m/z 152 ion and implications for ion formation mechanisms in static SIMS. <i>Surface and Interface Analysis</i> , 1992 , 18, 637-639	1.5	5
17	Simple, Direct Routes to Polymer Brush Traps and Nanostructures for Studies of Diffusional Transport in Supported Lipid Bilayers. <i>Langmuir</i> , 2017 , 33, 3672-3679	4	4
16	Influence of salt on the solution dynamics of a phosphorylcholine-based polyzwitterion. <i>European Polymer Journal</i> , 2017 , 87, 449-457	5.2	4
15	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. <i>Macromolecules</i> , 2018 , 51, 6312-6317	5.5	4
14	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017 , 11, 1123-1126	16.7	3
13	Slow polymer diffusion on brush-patterned surfaces in aqueous solution. <i>Nanoscale</i> , 2019 , 11, 6052-6061	7.7	3

12	The Relationship Between Contact Mechanics and Adhesion in Nanoscale Contacts Between Non-Polar Molecular Monolayers. <i>Tribology Letters</i> , 2013 , 50, 145-155	2.8	3
11	Scanning force microscopy of polyester: surface structure and adhesive properties. <i>Macromolecular Symposia</i> , 2001 , 167, 101-115	0.8	3
10	Chapter 4. Static secondary ion mass spectrometry (SSIMS) An emerging surface mass spectrometry. <i>Annual Reports on the Progress of Chemistry Section C</i> , 1991 , 88, 77		3
9	Active control of strong plasmon-exciton coupling in biomimetic pigment-polymer antenna complexes grown by surface-initiated polymerisation from gold nanostructures.. <i>Chemical Science</i> , 2022 , 13, 2405-2417	9.4	3
8	Bionanofabrication by Near-Field Optical Methods. <i>Nanobiotechnology</i> , 2007 , 3, 223-240		2
7	Tools for Low-Dimensional Chemistry. <i>Langmuir</i> , 2019 , 35, 7589-7602	4	2
6	Scanning Probe Microscopy 479-562		1
5	Fabrication of sub-diffraction-limit molecular structures by scanning near-field photolithography 2007 ,		1
4	Correction to Relationship Between Molecular Contact Thermodynamics and Surface Contact Mechanics. <i>Langmuir</i> , 2014 , 30, 9623-9623	4	
3	Nanopatterns and nanostructures at interfaces, Mulhouse, 12-15 October 2003. <i>ChemPhysChem</i> , 2004 , 5, 419-20	3.2	
2	Bionanotechnology 2005 , 419-445		
1	Scanning Near-Field Photolithography 2008 , 3709-3720		