

# Graham J Leggett

## List of Publications by Year in descending order

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156  
papers

6,094  
citations

53660

45  
h-index

91712

69  
g-index

162  
all docs

162  
docs citations

162  
times ranked

5944  
citing authors

#	ARTICLE	IF	CITATIONS
1	Templated formation of giant polymer vesicles with controlled size distributions. <i>Nature Materials</i> , 2009, 8, 507-511.	13.3	197
2	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.	3.0	175
3	Poly(glycerol monomethacrylate)- <i>b</i> -Poly(benzyl methacrylate) Diblock Copolymer Nanoparticles via RAFT Emulsion Polymerization: Synthesis, Characterization, and Interfacial Activity. <i>Macromolecules</i> , 2014, 47, 5613-5623.	2.2	168
4	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.	1.6	167
5	Zwitterionic Poly(amino acid methacrylate) Brushes. <i>Journal of the American Chemical Society</i> , 2014, 136, 9404-9413.	6.6	162
6	Influence of Adsorbate Ordering on Rates of UV Photooxidation of Self-Assembled Monolayers. <i>The Journal of Physical Chemistry</i> , 1996, 100, 6657-6662.	2.9	147
7	Matching the Resolution of Electron Beam Lithography by Scanning Near-Field Photolithography. <i>Nano Letters</i> , 2004, 4, 1381-1384.	4.5	141
8	Nanoscale Molecular Patterns Fabricated by Using Scanning Near-Field Optical Lithography. <i>Journal of the American Chemical Society</i> , 2002, 124, 2414-2415.	6.6	132
9	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.	1.2	115
10	Influence of Tail-Group Hydrogen Bonding on the Stabilities of Self-Assembled Monolayers of Alkylthiols on Gold. <i>Langmuir</i> , 1999, 15, 1024-1032.	1.6	114
11	Growth of human osteoblast-like cells on alkanethiol on gold self-assembled monolayers: The effect of surface chemistry. , 1998, 41, 431-442.		107
12	Oxidation of Self-Assembled Monolayers by UV Light with a Wavelength of 254 nm. <i>Journal of the American Chemical Society</i> , 2001, 123, 4089-4090.	6.6	107
13	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.	1.6	100
14	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, 1769-1780.	0.5	99
15	Fabrication of Biomolecular Nanostructures by Scanning Near-Field Photolithography of Oligo(ethylene glycol)-Terminated Self-Assembled Monolayers. <i>Langmuir</i> , 2007, 23, 7328-7337.	1.6	87
16	Scanning near-field photolithography—surface photochemistry with nanoscale spatial resolution. <i>Chemical Society Reviews</i> , 2006, 35, 1150-1161.	18.7	85
17	Parallel Scanning Near-Field Photolithography: The Snomipede. <i>Nano Letters</i> , 2010, 10, 4375-4380.	4.5	81
18	Chemical Force Microscopy of Mixed Self-Assembled Monolayers of Alkanethiols on Gold: Evidence for Phase Separation. <i>Langmuir</i> , 2004, 20, 4109-4115.	1.6	78

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19	Friction Force Microscopy of Alkylphosphonic Acid and Carboxylic Acids Adsorbed on the Native Oxide of Aluminum. <i>Langmuir</i> , 2006, 22, 9254-9259.	1.6	77
20	Fabrication of Gold Micro- and Nanostructures by Photolithographic Exposure of Thiol-Stabilized Gold Nanoparticles. <i>Nano Letters</i> , 2006, 6, 345-350.	4.5	77
21	Fabrication of Biological Nanostructures by Scanning Near-Field Photolithography of Chloromethylphenylsiloxane Monolayers. <i>Nano Letters</i> , 2006, 6, 29-33.	4.5	75
22	Generation of Nanostructures by Scanning Near-Field Photolithography of Self-Assembled Monolayers and Wet Chemical Etching. <i>Nano Letters</i> , 2002, 2, 1223-1227.	4.5	74
23	Effect of Brush Thickness and Solvent Composition on the Friction Force Response of Poly(2-(methacryloyloxy)ethylphosphorylcholine) Brushes. <i>Langmuir</i> , 2011, 27, 2514-2521.	1.6	74
24	Effect of Salt on Phosphorylcholine-based Zwitterionic Polymer Brushes. <i>Langmuir</i> , 2016, 32, 5048-5057.	1.6	73
25	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, 11247-11256.	1.2	72
26	Functionalization of Hydroxyl and Carboxylic Acid Terminated Self-Assembled Monolayers. <i>Langmuir</i> , 1997, 13, 2740-2748.	1.6	68
27	Scanning force microscopy investigation of poly(ethylene terephthalate) modified by argon plasma treatment. <i>Journal of Materials Chemistry</i> , 1998, 8, 1735-1742.	6.7	68
28	Friction and adhesion of mixed self-assembled monolayers studied by chemical force microscopy. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 3345-3350.	1.3	66
29	Friction force microscopy of self-assembled monolayers: probing molecular organisation at the nanometre scale. <i>Analytica Chimica Acta</i> , 2003, 479, 17-38.	2.6	65
30	Friction force microscopy: towards quantitative analysis of molecular organisation with nanometre spatial resolution. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1107.	1.3	63
31	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.	1.9	61
32	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 &amp; Interfaces</i> , 2009, 1, 1688-1697.	4.0	60
33	Strong Coupling of Localized Surface Plasmons to Excitons in Light-Harvesting Complexes. <i>Nano Letters</i> , 2016, 16, 6850-6856.	4.5	60
34	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.	6.7	59
35	Variation of Frictional Forces in Air with the Compositions of Heterogeneous Organic Surfaces. <i>Langmuir</i> , 2000, 16, 735-739.	1.6	59
36	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.	1.2	56

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37	Directed Formation of Micro- and Nanoscale Patterns of Functional Light-Harvesting LH2 Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 14625-14631.	6.6	54
38	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, 896-897.	6.6	53
39	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.	4.1	53
40	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.	6.7	52
41	Protein Patterning by UV-Induced Photodegradation of Poly(oligo(ethylene glycol) methacrylate) Brushes. <i>Langmuir</i> , 2010, 26, 9937-9942.	1.6	52
42	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.	6.5	52
43	Comparison of proliferation and growth of human keratinocytes on plasma copolymers of acrylic acid/1,7-octadiene and self-assembled monolayers. , 1999, 47, 379-387.		51
44	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, 14842-14843.	6.6	51
45	Micrometer and Nanometer Scale Photopatterning of Self-Assembled Monolayers of Phosphonic Acids on Aluminum Oxide. <i>Nano Letters</i> , 2007, 7, 3753-3758.	4.5	50
46	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.	0.6	49
47	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, 67A, 548-558.	3.0	48
48	Effects of damage during the SIMS analysis of poly(vinyl chloride) and poly(methyl methacrylate). <i>Applied Surface Science</i> , 1992, 55, 105-115.	3.1	46
49	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, 473-477.	1.5	45
50	Direct Imaging of Protein Organization in an Intact Bacterial Organelle Using High-Resolution Atomic Force Microscopy. <i>ACS Nano</i> , 2017, 11, 126-133.	7.3	45
51	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.	1.7	44
52	Characterization of plasma-deposited styrene films by XPS and static SIMS. <i>Surface and Interface Analysis</i> , 1995, 23, 22-28.	0.8	43
53	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, 4959-4964.	1.6	41
54	Photopatterning, Etching, and Derivatization of Self-Assembled Monolayers of Phosphonic Acids on the Native Oxide of Titanium. <i>Langmuir</i> , 2009, 25, 10746-10753.	1.6	41

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55	Augmenting light coverage for photosynthesis through YFP-enhanced charge separation at the Rhodobacter sphaeroides reaction centre. <i>Nature Communications</i> , 2017, 8, 13972.	5.8	40
56	Role of electronic particle-surface interactions during the sputter degradation of polymers. <i>Analytical Chemistry</i> , 1991, 63, 561-568.	3.2	39
57	Protein Micro- and Nanopatterning Using Aminosilanes with Protein-Resistant Photolabile Protecting Groups. <i>Journal of the American Chemical Society</i> , 2011, 133, 2749-2759.	6.6	39
58	Directed Single Molecule Diffusion Triggered by Surface Energy Gradients. <i>ACS Nano</i> , 2009, 3, 3235-3243.	7.3	38
59	Large-Area Nanopatterning of Self-Assembled Monolayers of Alkanethiolates by Interferometric Lithography. <i>Langmuir</i> , 2010, 26, 13600-13606.	1.6	37
60	Nanopatterned polymer brushes as switchable bioactive interfaces. <i>Nanoscale</i> , 2013, 5, 3632.	2.8	37
61	Nanowear of polystyrene surfaces: molecular entanglement and bundle formation. <i>Nanotechnology</i> , 2005, 16, 675-682.	1.3	35
62	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, 4179-4183.	1.6	35
63	Micrometer- and Nanometer-Scale Photopatterning Using 2-Nitrophenylpropyloxycarbonyl-Protected Aminosiloxane Monolayers. <i>Journal of the American Chemical Society</i> , 2009, 131, 1513-1522.	6.6	35
64	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.	6.7	34
65	Light-directed nanosynthesis: near-field optical approaches to integration of the top-down and bottom-up fabrication paradigms. <i>Nanoscale</i> , 2012, 4, 1840.	2.8	34
66	Nanotribology of biaxially oriented poly(ethylene terephthalate) film. <i>Polymer</i> , 2001, 42, 7025-7031.	1.8	32
67	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.	0.6	32
68	Nanoscale Contact Mechanics of Biocompatible Polyzwitterionic Brushes. <i>Langmuir</i> , 2013, 29, 10684-10692.	1.6	32
69	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.	1.3	31
70	Biocompatible polymer brushes grown from model quartz fibres: synthesis, characterisation and in situ determination of frictional coefficient. <i>Soft Matter</i> , 2010, 6, 1571.	1.2	30
71	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, 8625-8632.	6.6	30
72	Optical nanolithography using a scanning near-field probe with an integrated light source. <i>Applied Physics Letters</i> , 2008, 93, 213103.	1.5	29

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73	Nanoscale Contact Mechanics between Two Grafted Polyelectrolyte Surfaces. <i>Macromolecules</i> , 2015, 48, 6272-6279.	2.2	29
74	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.	1.8	28
75	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.	6.7	28
76	Influence of mechanical properties on the nanowear of uniaxially oriented poly(ethylene terephthalate) surfaces. <i>Polymer</i> , 1997, 38, 2617-2625.	1.5	28
77	Micro-/nano-patterning of DNA and rapid readout with SERS tags. <i>Chemical Communications</i> , 2010, 46, 5292.	2.2	27
78	A Mild Etch for the Fabrication of Three-Dimensional Nanostructures in Gold. <i>Journal of the American Chemical Society</i> , 2006, 128, 392-393.	6.6	26
79	A novel design strategy for nanoparticles on nanopatterns: interferometric lithographic patterning of MnO <sub>2</sub> biotemplated magnetic nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3948-3955.	2.7	26
80	Fabrication of microstructured binary polymer brush membranes with integral pH sensing for studies of proton transport in model membrane systems. <i>Chemical Science</i> , 2018, 9, 2238-2251.	3.7	26
81	A SEXAFS investigation of self-assembled monolayers on silver. <i>Surface Science</i> , 1998, 397, 154-163.	0.8	25
82	Measurement of the Kinetics of Photo-Oxidation of Self-Assembled Monolayers Using Friction Force Microscopy. <i>Langmuir</i> , 2005, 21, 3903-3909.	1.6	25
83	Photocatalytic Nanolithography of Self-Assembled Monolayers and Proteins. <i>ACS Nano</i> , 2013, 7, 7610-7618.	7.3	25
84	Fabrication of molecular nanopatterns at aluminium oxide surfaces by nanoshaving of self-assembled monolayers of alkylphosphonates. <i>Nanoscale</i> , 2013, 5, 11125.	2.8	25
85	Facile Formation of Highly Mobile Supported Lipid Bilayers on Surface-Quaternized pH-Responsive Polymer Brushes. <i>Macromolecules</i> , 2015, 48, 3095-3103.	2.2	25
86	Title is missing!. <i>Journal of Materials Science</i> , 2002, 37, 4919-4927.	1.7	23
87	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, 5935-5944.	1.6	23
88	Frictional, adhesive and mechanical properties of polyester films probed by scanning force microscopy. <i>Langmuir</i> , 1999, 27, 1084-1091.		22
89	Biological nanostructures: platforms for analytical chemistry at the sub-zeptomolar level. <i>Analyst</i> , 2005, 130, 259.	1.7	22
90	Generation of Molecular-Scale Compositional Gradients in Self-Assembled Monolayers. <i>Nano Letters</i> , 2007, 7, 3747-3752.	4.5	22

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91	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, 1818-1827.	1.6	22
92	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, 12420-12425.	1.6	21
93	Relationship Between Molecular Contact Thermodynamics and Surface Contact Mechanics. <i>Langmuir</i> , 2012, 28, 17709-17717.	1.6	21
94	Frictional properties of a polycationic brush. <i>Soft Matter</i> , 2014, 10, 2759.	1.2	21
95	Applications of tandem quadrupole mass spectrometry in SIMS. <i>Surface and Interface Analysis</i> , 1990, 16, 3-8.	0.8	20
96	Application of tandem analyser to SIMS studies of hydrocarbon polymers. <i>Surface and Interface Analysis</i> , 1991, 17, 737-744.	0.8	20
97	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.	1.6	20
98	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. <i>Chemical Science</i> , 2017, 8, 4517-4526.	3.7	20
99	Scanning force microscopy of polyester films: contact versus non-contact imaging and tip-induced wear experiments. <i>Polymer</i> , 1998, 39, 5913-5921.	1.8	19
100	Spatial Control over Cross-Linking Dictates the pH-Responsive Behavior of Poly(2-( <i>tert</i> -butylamino)ethyl methacrylate) Brushes. <i>Langmuir</i> , 2014, 30, 1391-1400.	1.6	19
101	Fabrication of Self-Cleaning, Reusable Titania Templates for Nanometer and Micrometer Scale Protein Patterning. <i>ACS Nano</i> , 2015, 9, 6262-6270.	7.3	19
102	Fabrication of Cellular "Wires" on Micropatterned Monolayers of Short-Chain Alkanethiols on Gold. <i>Langmuir</i> , 1996, 12, 5494-5497.	1.6	18
103	Large area nanopatterning of alkylphosphonate self-assembled monolayers on titanium oxide surfaces by interferometric lithography. <i>Nanoscale</i> , 2011, 3, 2511.	2.8	18
104	Use of Engineered Unique Cysteine Residues to Facilitate Oriented Coupling of Proteins Directly to a Gold Substrate. <i>Photochemistry and Photobiology</i> , 2011, 87, 1050-1057.	1.3	18
105	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.	1.7	17
106	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, 7858-7869.	7.3	16
107	New Poly(amino acid methacrylate) Brush Supports the Formation of Well-Defined Lipid Membranes. <i>Langmuir</i> , 2015, 31, 3668-3677.	1.6	16
108	Fabrication of Submicrometer Biomolecular Patterns by Near-Field Exposure of Plasma-Polymerized Tetraglyme Films. <i>Langmuir</i> , 2010, 26, 10203-10209.	1.6	15

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109	The mechanics of nanometre-scale molecular contacts. <i>Faraday Discussions</i> , 2012, 156, 325.	1.6	15
110	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.	1.7	14
111	Influence of Molecular Weight on Friction Force Microscopy of Polystyrene and Poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 2009, 25, 2217-2224.	1.6	14
112	Direct Writing of Metal Nanostructures: Lithographic Tools for Nanoplasmonics Research. <i>ACS Nano</i> , 2011, 5, 1575-1579.	7.3	13
113	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, 1083-1092.	1.6	13
114	Nanoscale Biomolecular Structures on Self-Assembled Monolayers Generated from Modular Pegylated Disulfides. <i>Chemistry - A European Journal</i> , 2010, 16, 12234-12243.	1.7	12
115	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.	0.6	12
116	Influence of salt on the solution dynamics of a phosphorylcholine-based polyzwitterion. <i>European Polymer Journal</i> , 2017, 87, 449-457.	2.6	12
117	Nanotribological characterization of human head hair by friction force microscopy in dry atmosphere and aqueous environment. <i>Biointerphases</i> , 2010, 5, 60-68.	0.6	11
118	Salt Dependence of the Tribological Properties of a Surface-Grafted Weak Polycation in Aqueous Solution. <i>Tribology Letters</i> , 2018, 66, 11.	1.2	11
119	Sub-10 Å Resistance Gold Films Prepared by Removal of Ligands from Thiol-Stabilized 6 nm Gold Nanoparticles. <i>Langmuir</i> , 2010, 26, 4331-4338.	1.6	10
120	Parallel scanning near-field photolithography in liquid: The Snomipede. <i>Microelectronic Engineering</i> , 2011, 88, 2109-2112.	1.1	10
121	Interference lithographic nanopatterning of plant and bacterial light-harvesting complexes on gold substrates. <i>Interface Focus</i> , 2015, 5, 20150005.	1.5	10
122	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.	2.9	10
123	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.	1.6	10
124	A synthetic biological quantum optical system. <i>Nanoscale</i> , 2018, 10, 13064-13073.	2.8	10
125	Tapping mode and phase imaging of biaxially oriented polyester films. <i>Surface and Interface Analysis</i> , 2001, 31, 39-45.	0.8	9
126	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.	1.1	9



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127	Photochemical fabrication of three-dimensional micro- and nano-structured surfaces from a C60 monoadduct. <i>Journal of Materials Chemistry</i> , 2008, 18, 2016.	6.7	9
128	Quantitative Kinetic Measurements of the Esterification of Self-Assembled Monolayers of Mercaptoundecanol by Trifluoroacetic Anhydride Using Friction Force Microscopy. <i>Langmuir</i> , 2009, 25, 9182-9188.	1.6	9
129	Nanotribological properties of nanostructured poly(cysteine methacrylate) brushes. <i>Soft Matter</i> , 2017, 13, 2075-2084.	1.2	9
130	Synthesis, Monolayer Formation, Characterization, and Nanometer-Scale Photolithographic Patterning of Conjugated Oligomers Bearing Terminal Thioacetates. <i>Langmuir</i> , 2010, 26, 4449-4458.	1.6	8
131	Morphological and quantitative frictional measurements of cotton fibres using friction force microscopy. <i>Journal of Materials Chemistry</i> , 2010, 20, 8531.	6.7	8
132	Nano- and micro-patterning biotemplated magnetic CoPt arrays. <i>Nanoscale</i> , 2016, 8, 11738-11747.	2.8	8
133	Turning the challenge of quantum biology on its head: biological control of quantum optical systems. <i>Faraday Discussions</i> , 2019, 216, 57-71.	1.6	7
134	A tandem SIMS study of poly(vinyl methyl ether). <i>Surface and Interface Analysis</i> , 1992, 18, 210-216.	0.8	6
135	Photo-deprotection patterning of self-assembled monolayers. <i>Journal of Experimental Nanoscience</i> , 2007, 2, 279-290.	1.3	6
136	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.	6.7	6
137	Nanotribological Investigation of Polymer Brushes with Lithographically Defined and Systematically Varying Grafting Densities. <i>Langmuir</i> , 2017, 33, 706-713.	1.6	6
138	The structure of the PETm/z 152 ion and implications for ion formation mechanisms in static SIMS. <i>Surface and Interface Analysis</i> , 1992, 18, 637-639.	0.8	5
139	The Snomipede: A parallel platform for scanning near-field photolithography. <i>Journal of Materials Research</i> , 2011, 26, 2997-3008.	1.2	5
140	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. <i>Macromolecules</i> , 2018, 51, 6312-6317.	2.2	5
141	Active control of strong plasmonâ€“exciton coupling in biomimetic pigmentâ€“polymer antenna complexes grown by surface-initiated polymerisation from gold nanostructures. <i>Chemical Science</i> , 2022, 13, 2405-2417.	3.7	5
142	Scanning force microscopy of polyester: surface structure and adhesive properties. <i>Macromolecular Symposia</i> , 2001, 167, 101-115.	0.4	4
143	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017, 11, 1123-1126.	7.3	4
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