Stephen D Evans

List of Publications by Year
in descending order

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272	9,751	30070 54	53230 85
papers	citations	h-index	g-index

280	280	280	11372
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The p7 protein of hepatitis C virus forms an ion channel that is blocked by the antiviral drug, Amantadine. FEBS Letters, 2003, 535, 34-38.	2.8	403
2	Site-Directed Conjugation of â€œClickedâ€•Glycopolymers To Form Glycoprotein Mimics:â€‰ Binding to Mammalian Lectin and Induction of Immunological Function. Journal of the American Chemical Society, 2007, 129, 15156-15163.	13.7	281
3	Surface potential studies of alkyl-thiol monolayers adsorbed on gold. Chemical Physics Letters, 1990, 170, 462-466.	2.6	240
4	Gold Nanoparticle Patterning of Silicon Wafers Using Chemical e-Beam Lithography. Langmuir, 2004, 20, 3766-3768.	3.5	203
5	Vapour sensing using hybrid organicâ€“inorganic nanostructured materials. Journal of Materials Chemistry, 2000, 10, 183-188.	6.7	202
6	Self-assembled monolayers of alkanethiols containing a polar aromatic group: effects of the dipole position on molecular packing, orientation, and surface wetting properties. Journal of the American Chemical Society, 1991, 113, 4121-4131.	13.7	195
7	Relative differential subshell photoionisation cross-sections (MgKÎ±) from lithium to uranium. Journal of Electron Spectroscopy and Related Phenomena, 1978, 14, 341-358.	1.7	177
8	Self-Assembled Monolayers containing Polydiacetylenes. Journal of the American Chemical Society, 1994, 116, 1050-1053.	13.7	172
9	Concentration-driven surface transition in the wetting of mixed alkanethiol monolayers on gold. Journal of the American Chemical Society, 1991, 113, 1499-1506.	13.7	171
10	Self-assembled multilayers of .omega.-mercaptoalkanoic acids: selective ionic interactions. Journal of the American Chemical Society, 1991, 113, 5866-5868.	13.7	163
11	Nanooptics of Molecular-Shunted Plasmonic Nanojunctions. Nano Letters, 2015, 15, 669-674.	9.1	162
12	Kinetics of the Unrolling of Small Unilamellar Phospholipid Vesicles onto Self-Assembled Monolayers. Langmuir, 1997, 13, 751-757.	3.5	160
13	Contact angle stability: Reorganization of monolayer surfaces?. Langmuir, 1991, 7, 156-161.	3.5	155
14	Determining the Concentration of CuInS₂ Quantum Dots from the Size-Dependent Molar Extinction Coefficient. Chemistry of Materials, 2012, 24, 2064-2070.	6.7	128
15	Redox Enzymes in Tethered Membranes. Journal of the American Chemical Society, 2006, 128, 1711-1716.	13.7	127
16	Highly Fluorescent Ribonuclease-A-Encapsulated Lead Sulfide Quantum Dots for Ultrasensitive Fluorescence in Vivo Imaging in the Second Near-Infrared Window. Chemistry of Materials, 2016, 28, 3041-3050.	6.7	123
17	Synthesis of Highâ€Surfaceâ€Area Platinum Nanotubes Using a Viral Template. Advanced Functional Materials, 2010, 20, 1295-1300.	14.9	118
18	Dielectrophoretic manipulation and electrical characterization of gold nanowires. Nanotechnology, 2005, 16, 1500-1505.	2.6	112

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19	Vapour sensing using surface functionalized gold nanoparticles. Nanotechnology, 2002, 13, 439-444.	2.6	111
20	Nearâ€Bulk Conductivity of Gold Nanowires as Nanoscale Interconnects and the Role of Atomically Smooth Interface. Advanced Materials, 2010, 22, 2338-2342.	21.0	106
21	Early Stages of Crystallization of Calcium Carbonate Revealed in Picoliter Droplets. Journal of the American Chemical Society, 2011, 133, 5210-5213.	13.7	105
22	Microcontact Printing of Lipophilic Self-Assembled Monolayers for the Attachment of Biomimetic Lipid Bilayers to Surfaces. Journal of the American Chemical Society, 1999, 121, 5274-5280.	13.7	104
23	Hybrid siliconâ€“organic nanoparticle memory device. Journal of Applied Physics, 2003, 94, 5234.	2.5	96
24	Alignment of particles in microfluidic systems using standing surface acoustic waves. Applied Physics Letters, 2008, 92, .	3.3	89
25	Use of Mixed Self-Assembled Monolayers in a Study of the Effect of the Microenvironment on Immobilized Glucose Oxidase. Langmuir, 1999, 15, 1198-1207.	3.5	86
26	The design and synthesis of simple molecular tethers for binding biomembranes to a gold surface. Tetrahedron, 1997, 53, 10939-10952.	1.9	83
27	A Novel Example of X-Ray-Radiation-Induced Chemical Reduction of an Aromatic Nitro-Group-Containing Thin Film on SiO2 to an Aromatic Amine Film. ChemPhysChem, 2003, 4, 884-889.	2.1	82
28	Expanding 3D geometry for enhanced on-chip microbubble production and single step formation of liposome modified microbubbles. Lab on A Chip, 2012, 12, 4544.	6.0	80
29	Monolayers having large in-plane dipole moments: characterization of sulfone-containing self-assembled monolayers of alkanethiols on gold by Fourier transform infrared spectroscopy, x-ray photoelectron spectroscopy and wetting. Langmuir, 1991, 7, 2700-2709.	3.5	79
30	Nanoparticle-Loaded Hydrogel for the Light-Activated Release and Photothermal Enhancement of Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2020, 12, 24544-24554.	8.0	79
31	Fabrication of Gold Micro- and Nanostructures by Photolithographic Exposure of Thiol-Stabilized Gold Nanoparticles. Nano Letters, 2006, 6, 345-350.	9.1	77
32	Fabrication of Biological Nanostructures by Scanning Near-Field Photolithography of Chloromethylphenylsiloxane Monolayers. Nano Letters, 2006, 6, 29-33.	9.1	75
33	Spectroscopic Characterization of Gold Nanoparticles Passivated by Mercaptopyridine and Mercaptopyrimidine Derivatives. Journal of Physical Chemistry B, 2003, 107, 6087-6095.	2.6	74
34	Engineering Gold Nanotubes with Controlled Length and Nearâ€Infrared Absorption for Theranostic Applications. Advanced Functional Materials, 2015, 25, 2117-2127.	14.9	74
35	Photooxidation of Self-Assembled Monolayers by Exposure to Light of Wavelength 254 nm:Â A Static SIMS Study. Journal of Physical Chemistry B, 2005, 109, 11247-11256.	2.6	72
36	XPS Studies of Self-Assembled Multilayer Films. Langmuir, 1995, 11, 4411-4417.	3.5	71

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37	Four-probe electrical transport measurements on individual metallic nanowires. Nanotechnology, 2007, 18, 065204.	2.6	71
38	Single Ion Channel Sensitivity in Suspended Bilayers on Micromachined Supports. Langmuir, 2001, 17, 1240-1242.	3.5	68
39	Formation and manipulation of two-dimensional arrays of micron-scale particles in microfluidic systems by surface acoustic waves. Applied Physics Letters, 2009, 94, .	3.3	68
40	Proteinâ€“Protein Interaction Regulates the Direction of Catalysis and Electron Transfer in a Redox Enzyme Complex. Journal of the American Chemical Society, 2013, 135, 10550-10556.	13.7	68
41	Cells Under Stress: An Inertial-Shear Microfluidic Determination of Cell Behavior. Biophysical Journal, 2019, 116, 1127-1135.	0.5	68
42	Oxidation of the group IBmetals studied by X-ray and ultraviolet photoelectron spectroscopy. Part 1.â€”The surface oxidation of polycrystalline copper. Journal of the Chemical Society, Faraday Transactions 2, 1975, 71, 1044-1057.	1.1	67
43	Phase separation in mixed self-assembled monolayers and its effect on biomimetic membranes. Sensors and Actuators B: Chemical, 2007, 124, 501-509.	7.8	67
44	Quantitative analysis of aluminosilicates and other solids by x-ray photoelectron spectroscopy. Analytical Chemistry, 1977, 49, 2001-2008.	6.5	66
45	Biotemplated Magnetic Nanoparticle Arrays. Small, 2012, 8, 204-208.	10.0	66
46	Lipid coated liquid crystal droplets for the on-chip detection of antimicrobial peptides. Lab on A Chip, 2019, 19, 1082-1089.	6.0	65
47	Confined Assembly of Hollow Carbon Spheres in Carbonaceous Nanotube: A Spheresâ€inâ€Tube Carbon Nanostructure with Hierarchical Porosity for Highâ€Performance Supercapacitor. Small, 2018, 14, e1704015.	10.0	64
48	Generalized circuit model for coupled plasmonic systems. Optics Express, 2015, 23, 33255.	3.4	62
49	Ion-Selective Lipid Bilayers Tethered to Microcontact Printed Self-Assembled Monolayers Containing Cholesterol Derivatives. Langmuir, 1998, 14, 4675-4678.	3.5	61
50	On-chip preparation of nanoscale contrast agents towards high-resolution ultrasound imaging. Lab on A Chip, 2016, 16, 679-687.	6.0	61
51	Correction for the effects of adventitious carbon overlayers in quantitative XPS analysis. Surface and Interface Analysis, 1997, 25, 924-930.	1.8	60
52	Lipid Vesicle Fusion on Î¼CP Patterned Self-Assembled Monolayers:Â Effect of Pattern Geometry on Bilayer Formation. Langmuir, 2002, 18, 3176-3180.	3.5	57
53	Triphenylene-Based Discotic Liquid Crystals as Self-Assembled Monolayers. Langmuir, 1999, 15, 3790-3797.	3.5	56
54	Subâ€Nanometer Thick Gold Nanosheets as Highly Efficient Catalysts. Advanced Science, 2019, 6, 1900911.	11.2	56

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55	Attenuated Total Reflection Fourier Transform Infrared Spectroscopic Characterization of Fluid Lipid Bilayers Tethered to Solid Supports. Langmuir, 1998, 14, 839-844.	3.5	54
56	A 106-fold enhancement in the conductivity of a discotic liquid crystal doped with only 1% (wâˆ•w) gold nanoparticles. Journal of Applied Physics, 2008, 103, .	2.5	54
57	Mixed alkanethiol monolayers on gold surfaces: Wetting and stability studies. Advances in Colloid and Interface Science, 1992, 39, 175-224.	14.7	52
58	Surface functionalisation for the self-assembly of nanoparticle/polymer multilayer films. Thin Solid Films, 2003, 426, 31-39.	1.8	52
59	Direct Electrochemical Interaction between a Modified Gold Electrode and a Bacterial Membrane Extract. Langmuir, 2005, 21, 1481-1488.	3.5	50
60	A Mild Photoactivated Hydrophilic/Hydrophobic Switch. Langmuir, 2005, 21, 4554-4561.	3.5	48
61	Poly(ethylene glycol) Lipid-Shelled Microbubbles: Abundance, Stability, and Mechanical Properties. Langmuir, 2014, 30, 5557-5563.	3.5	48
62	Watching individual molecules flex within lipid membranes using SERS. Scientific Reports, 2014, 4, 5940.	3.3	48
63	Stimuliâ€Responsive Release of Antimicrobials Using Hybrid Inorganic Nanoparticleâ€Associated Drugâ€Delivery Systems. Macromolecular Bioscience, 2018, 18, e1800207.	4.1	48
64	Curve synthesis and optimization procedures for X-ray photoelectron spectroscopy. Surface and Interface Analysis, 1991, 17, 85-93.	1.8	46
65	Fabrication and characterization of gold nano-wires templated on virus-like arrays of tobacco mosaic virus coat proteins. Nanotechnology, 2013, 24, 025605.	2.6	46
66	Ultrasound-triggered therapeutic microbubbles enhance the efficacy of cytotoxic drugs by increasing circulation and tumor drug accumulation and limiting bioavailability and toxicity in normal tissues. Theranostics, 2020, 10, 10973-10992.	10.0	45
67	Spectroscopic Ellipsometric Evaluation of Gold Nanoparticle Thin Films Fabricated Using Layer-by-Layer Self-Assembly. Advanced Materials, 2003, 15, 531-534.	21.0	44
68	Planar Alignment of Columnar Discotic Liquid Crystals by Isotropic Phase Dewetting on Chemically Patterned Surfaces. Advanced Functional Materials, 2010, 20, 914-920.	14.9	42
69	Suspended Planar Phospholipid Bilayers on Micromachined Supports. Langmuir, 2000, 16, 5696-5701.	3.5	41
70	Room-temperature single-electron tunnelling in surfactant stabilised iron oxide nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 253-261.	2.7	41
71	Enhanced Oxygen-Tolerance of the Full Heterotrimeric Membrane-Bound [NiFe]-Hydrogenase of Ralstonia eutropha. Journal of the American Chemical Society, 2014, 136, 8512-8515.	13.7	41
72	Native E. coli inner membrane incorporation in solid-supported lipid bilayer membranes. Biointerphases, 2008, 3, FA59-FA67.	1.6	39

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73	Cholesterol-based anchors and tethers for phospholipid bilayers and for model biological membranes. Soft Matter, 2010, 6, 6036.	2.7	39
74	Spectroelectrochemical Investigation of Intramolecular and Interfacial Electron-Transfer Rates Reveals Differences Between Nitrite Reductase at Rest and During Turnover. Journal of the American Chemical Society, 2011, 133, 15085-15093.	13.7	39
75	One-step fabrication of hollow-channel gold nanoflowers with excellent catalytic performance and large single-particle SERS activity. Nanoscale, 2016, 8, 14932-14942.	5.6	38
76	High-throughput microfluidics for evaluating microbubble enhanced delivery of cancer therapeutics in spheroid cultures. Journal of Controlled Release, 2020, 326, 13-24.	9.9	38
77	Receptor tyrosine kinases regulate signal transduction through a liquid-liquid phase separated state. Molecular Cell, 2022, 82, 1089-1106.e12.	9.7	38
78	Antibiotic Action and Peptidoglycan Formation on Tethered Lipid Bilayer Membranes. Angewandte Chemie - International Edition, 2006, 45, 2111-2116.	13.8	37
79	Nematic liquid crystal alignment on chemical patterns. Liquid Crystals, 2007, 34, 1059-1069.	2.2	37
80	Manipulation and charge determination of proteins in photopatterned solid supported bilayers. Integrative Biology (United Kingdom), 2009, 1, 205-211.	1.3	37
81	Supported Bilayer Lipid Membrane Arrays on Photopatterned Selfâ€Assembled Monolayers. Chemistry - A European Journal, 2007, 13, 7957-7964.	3.3	36
82	Concentrating Membrane Proteins Using Asymmetric Traps and AC Electric Fields. Journal of the American Chemical Society, 2011, 133, 6521-6524.	13.7	36
83	Nanomechanics of Lipid Encapsulated Microbubbles with Functional Coatings. Langmuir, 2013, 29, 4096-4103.	3.5	36
84	The influence of intercalating perfluorohexane into lipid shells on nano and microbubble stability. Soft Matter, 2016, 12, 7223-7230.	2.7	36
85	A Biomimetic Membrane Consisting of a Polyethyleneoxythiol Monolayer Anchored to Mercury with a Phospholipid Bilayer on Top. Journal of Physical Chemistry B, 2002, 106, 10410-10416.	2.6	35
86	Soft-UV Photolithography using Self-Assembled Monolayers. Journal of Physical Chemistry B, 2006, 110, 17167-17174.	2.6	35
87	Controlled Planar Alignment of Discotic Liquid Crystals in Microchannels Made Using SU8 Photoresist. Advanced Functional Materials, 2013, 23, 5997-6006.	14.9	34
88	Minimal F-Actin Cytoskeletal System for Planar Supported Phospholipid Bilayers. Langmuir, 2008, 24, 6827-6836.	3.5	33
89	Determination of relative electron inelastic mean free paths (escape depths) and photoionisation cross-sections by X-ray photoelectron spectroscopy. Journal of the Chemical Society, Faraday Transactions 2, 1975, 71, 1777.	1.1	32
90	Proton transport into a tethered bilayer lipid membrane. Electrochemistry Communications, 2007, 9, 610-614.	4.7	32

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91	Four-probe electrical characterization of Pt-coated TMV-based nanostructures. Nanotechnology, 2008, 19, 165704.	2.6	32
92	Effect of the Structure of Cholesterolâ€Based Tethered Bilayer Lipid Membranes on Ionophore Activity. ChemPhysChem, 2010, 11, 2191-2198.	2.1	32
93	Biochemical fingerprint of colorectal cancer cell lines using labelâ€free live singleâ€cell Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1323-1332.	2.5	32
94	pH-Dependent gold nanoparticle self-organization on functionalized Si/SiO2surfaces. Journal of Experimental Nanoscience, 2006, 1, 333-353.	2.4	31
95	Chemical Manipulation by X-rays of Functionalized Thiolate Self-Assembled Monolayers on Au. Langmuir, 2008, 24, 13969-13976.	3.5	31
96	Fabrication and Characterization of Self-Assembled Nanoparticle/Polyelectrolyte Multilayer Films. Journal of Physical Chemistry B, 2003, 107, 13557-13562.	2.6	30
97	A Novel Method To Fabricate Patterned Bilayer Lipid Membranes. Langmuir, 2007, 23, 1354-1358.	3.5	30
98	Tethered Bilayer Lipid Membranes Studied by Simultaneous Attenuated Total Reflectance Infrared Spectroscopy and Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 3515-3524.	2.6	30
99	Self-Assembled Multilayer Formation on Predefined Templates. Langmuir, 1995, 11, 3811-3814.	3.5	29
100	Kinetics of formation of single phospholipid bilayers on self-assembled monolayer supports, as monitored by surface plasmon resonance. Supramolecular Science, 1997, 4, 513-517.	0.7	29
101	Controlling Liquid Crystal Alignment Using Photocleavable Cyanobiphenyl Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2010, 2, 3686-3692.	8.0	29
102	Characterisation of Liposome-Loaded Microbubble Populations for Subharmonic Imaging. Ultrasound in Medicine and Biology, 2017, 43, 346-356.	1.5	29
103	Nanobubbles for therapeutic delivery: Production, stability and current prospects. Current Opinion in Colloid and Interface Science, 2021, 54, 101456.	7.4	29
104	Estimation of the uncertainties associated with XPS peak intensity determination. Surface and Interface Analysis, 1992, 18, 323-332.	1.8	28
105	N,Nâ€²-Disuccinimidyl carbonate as a coupling agent in the synthesis of thiophospholipids used for anchoring biomembranes to gold surfaces. Tetrahedron, 1998, 54, 11537-11548.	1.9	27
106	Anchoring and orientational wetting of nematic liquid crystals on semi-fluorinated self-assembled monolayer surfaces. Europhysics Letters, 2002, 59, 410-416.	2.0	27
107	Acousto-microfluidics: Transporting microbubble and microparticle arrays in acoustic traps using surface acoustic waves. Journal of Applied Physics, 2012, 111, .	2.5	27
108	Increasing the sonoporation efficiency of targeted polydisperse microbubble populations using chirp excitation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2511-2520.	3.0	27

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109	Phospholipid dependent mechanism of smp24, an Î±-helical antimicrobial peptide from scorpion venom. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2737-2744.	2.6	27
110	Visualization of diffusion limited antimicrobial peptide attack on supported lipid membranes. Soft Matter, 2018, 14, 6146-6154.	2.7	27
111	Nested Nanobubbles for Ultrasound-Triggered Drug Release. ACS Applied Materials & Interfaces, 2020, 12, 29085-29093.	8.0	27
112	Multilayers of Ï‰-mercaptoalkanoic acids containing a polar aromatic group: characterization of films. Thin Solid Films, 1994, 244, 784-788.	1.8	26
113	Discrete membrane arrays. Reviews in Molecular Biotechnology, 2000, 74, 159-174.	2.8	26
114	Improved Photoreaction Yields for Soft Ultraviolet Photolithography in Organothiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2009, 113, 21642-21647.	3.1	26
115	Temperature dependent stiffness and visco-elastic behaviour of lipid coated microbubbles using atomic force microscopy. Soft Matter, 2012, 8, 1321-1326.	2.7	26
116	Alignment of a Columnar Hexagonal Discotic Liquid Crystal on Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 7533-7539.	3.1	26
117	Raman spectroscopy of self-assembled mono- and multilayer films of alkanethiolate on gold. Thin Solid Films, 1994, 244, 778-783.	1.8	25
118	Characterization of cytochrome bo3 activity in a native-like surface-tethered membrane. Biochemical Journal, 2009, 417, 555-560.	3.7	25
119	Orientational Control over Nitrite Reductase on Modified Gold Electrode and Its Effects on the Interfacial Electron Transfer. Journal of Physical Chemistry B, 2011, 115, 12607-12614.	2.6	25
120	Bead-like structures and self-assembled monolayers from 2,6-dipyrazolylpyridines and their iron(<scp>ii</scp>) complexes. Journal of Materials Chemistry C, 2015, 3, 7890-7896.	5.5	25
121	Facile Formation of Highly Mobile Supported Lipid Bilayers on Surface-Quaternized pH-Responsive Polymer Brushes. Macromolecules, 2015, 48, 3095-3103.	4.8	25
122	Structural and electrical studies of alternating layers of porphyrins and fatty acids. Thin Solid Films, 1988, 160, 99-105.	1.8	24
123	Magnetic Resonance Imaging of Strawberry (Fragaria vesca) Slices During Osmotic Dehydration and Air Drying. LWT - Food Science and Technology, 2002, 35, 177-184.	5.2	24
124	Molecular Effects of Glycerol on Lipid Monolayers at the Gasâ€“Liquid Interface: Impact on Microbubble Physical and Mechanical Properties. Langmuir, 2019, 35, 10097-10105.	3.5	24
125	Surface energy of ethylene-co-1-butene copolymers determined by contact angle methods. Journal of Colloid and Interface Science, 2003, 260, 234-239.	9.4	23
126	Multilayers of 4-methylbenzenethiol functionalized gold nanoparticles fabricated by Langmuirâ€“Blodgett and Langmuirâ€“Schaefer deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 278, 98-105.	4.7	23

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127	Immobilization of glucose oxidase onto a Langmuir-Blodgett ultrathin film of a cellulose derivative deposited on a self-assembled monolayer. Supramolecular Science, 1997, 4, 279-291.	0.7	22
128	Synthesis of novel biotin anchors. Tetrahedron, 2001, 57, 9859-9866.	1.9	22
129	Optimization of Brownian ratchets for the manipulation of charged components within supported lipid bilayers. Applied Physics Letters, 2015, 106, .	3.3	22
130	Oneâ€Step Preparation of Biocompatible Gold Nanoplates with Controlled Thickness and Adjustable Optical Properties for Plasmonâ€Based Applications. Advanced Functional Materials, 2020, 30, 2003512.	14.9	22
131	Mixed alkanethiol monolayers on gold surfaces: substrates for Langmuir-Blodgett film deposition. Langmuir, 1993, 9, 1024-1027.	3.5	21
132	Surface-field induced organisation at solid/fluid interfaces. Faraday Discussions, 1996, 104, 37.	3.2	21
133	Polymerization of Semi-Fluorinated Alkane Thiol Self-Assembled Monolayers Containing Diacetylene Units. Langmuir, 2001, 17, 6616-6621.	3.5	21
134	A Selfâ€assembly Route for Double Bilayer Lipid Membrane Formation. ChemPhysChem, 2010, 11, 569-574.	2.1	21
135	A bioinspired peptide matrix for the detection of 2,4,6-trinitrotoluene (TNT). Biosensors and Bioelectronics, 2020, 153, 112030.	10.1	21
136	Comparative characterisation by atomic force microscopy and ellipsometry of soft and solid thin films. Surface and Interface Analysis, 2007, 39, 575-581.	1.8	20
137	Self-Assembled Layers Based on Isomerizable Stilbene and Diketoarylhydrazone Moieties. Langmuir, 2008, 24, 2479-2486.	3.5	20
138	A study of cytochrome bo3 in a tethered bilayer lipid membrane. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1917-1923.	1.0	20
139	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. Chemical Science, 2017, 8, 4517-4526.	7.4	20
140	Control of Director Fields in Phospholipid-Coated Liquid Crystal Droplets. Langmuir, 2020, 36, 6436-6446.	3.5	20
141	Enhanced charge conduction in discotic liquid crystals. Journal of Materials Chemistry, 2001, 11, 1982-1984.	6.7	19
142	A Cholesterolâ€Based Tether for Creating Photopatterned Lipid Membrane Arrays on both a Silica and Gold Surface. Chemistry - A European Journal, 2009, 15, 6363-6370.	3.3	19
143	Manipulation and sorting of membrane proteins using patterned diffusion-aided ratchets with AC fields in supported lipid bilayers. Soft Matter, 2012, 8, 5459.	2.7	19
144	Alignment of Discotic Lyotropic Liquid Crystals at Hydrophobic and Hydrophilic Self-Assembled Monolayers. Journal of Physical Chemistry C, 2012, 116, 12627-12635.	3.1	19

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145	Nanomagnetic Arrays Formed with the Biomineralization Protein Mms6. Journal of Nano Research, 0, 17, 127-146.	0.8	18
146	Morphological control of seedlessly-synthesized gold nanorods using binary surfactants. Nanotechnology, 2018, 29, 135601.	2.6	18
147	Synthesis and characterisation of surfactant-stabilised gold nanoparticles. Supramolecular Science, 1997, 4, 329-333.	0.7	17
148	Angular dependence of X-ray-excited valence-band photoelectron spectra of diamond. Journal of the Chemical Society, Faraday Transactions 2, 1986, 82, 541.	1.1	16
149	New Poly(amino acid methacrylate) Brush Supports the Formation of Well-Defined Lipid Membranes. Langmuir, 2015, 31, 3668-3677.	3.5	16
150	Peptide-Functionalized Quantum Dots for Rapid Label-Free Sensing of 2,4,6-Trinitrotoluene. Bioconjugate Chemistry, 2020, 31, 1400-1407.	3.6	16
151	Convolutional smoothing algorithms in electron spectroscopy. Surface and Interface Analysis, 1986, 8, 71-73.	1.8	15
152	Mixed alkanethiolate monolayers as substrates for studying the Langmuir film deposition process. Thin Solid Films, 1994, 243, 325-329.	1.8	15
153	Surfactant mediated assembly of gold nanowires on surfaces. Journal of Experimental Nanoscience, 2006, 1, 125-142.	2.4	15
154	A Model System To Study the Insertion of Cholesterol into a Phospholipid Monolayer. Journal of Physical Chemistry B, 2007, 111, 379-386.	2.6	15
155	Fabrication of Lipid Tubules with Embedded Quantum Dots by Membrane Tubulation Protein. Small, 2012, 8, 1590-1595.	10.0	15
156	Diffusion in Low-Dimensional Lipid Membranes. Nano Letters, 2014, 14, 5984-5988.	9.1	15
157	Physical Biomarkers of Disease Progression: On-Chip Monitoring of Changes in Mechanobiology of Colorectal Cancer Cells. Scientific Reports, 2020, 10, 3254.	3.3	15
158	Production of giant unilamellar vesicles and encapsulation of lyotropic nematic liquid crystals. Soft Matter, 2021, 17, 2234-2241.	2.7	15
159	Horizon: Microfluidic platform for the production of therapeutic microbubbles and nanobubbles. Review of Scientific Instruments, 2021, 92, 074105.	1.3	15
160	Mercaptopurine-Loaded Sandwiched Tri-Layered Composed of Electrospun Polycaprolactone/Poly(Methyl Methacrylate) Nanofibrous Scaffolds as Anticancer Carrier with Antimicrobial and Antibiotic Features: Sandwich Configuration Nanofibers, Release Study and in vitro Bioevaluation Tests. International Journal of Nanomedicine, 2021, Volume 16, 6937-6955.	6.7	15
161	Chiral nematic liquid crystal droplets as a basis for sensor systems. Molecular Systems Design and Engineering, 2022, 7, 607-621.	3.4	15
162	Actin Assembly at Model-Supported Lipid Bilayers. Biophysical Journal, 2013, 105, 2355-2365.	0.5	14

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163	Evaluating Phospholipidâ€Functionalized Gold Nanorods for In Vivo Applications. Small, 2021, 17, 2006797.	10.0	14
164	Force spectroscopy of streptavidin conjugated lipid coated microbubbles. Bubble Science, Engineering & Technology, 2010, 2, 48-54.	0.2	14
165	Self-Assembly of Actin Scaffolds at Ponticulin-Containing Supported Phospholipid Bilayers. Biophysical Journal, 2006, 90, L21-L23.	0.5	13
166	Fabrication of a nanoparticle gradient substrate by thermochemical manipulation of an ester functionalized SAM. Journal of Materials Chemistry, 2007, 17, 5097.	6.7	13
167	Photoelectric Properties of Electrodeposited Copper(I) Oxide Nanowires. Journal of the Electrochemical Society, 2009, 156, K191.	2.9	13
168	On-Chip Alternating Current Electrophoresis in Supported Lipid Bilayer Membranes. Analytical Chemistry, 2012, 84, 10702-10707.	6.5	13
169	Evaluation of lipid-stabilised tripropionin nanodroplets as a delivery route for combretastatin A4. International Journal of Pharmaceutics, 2017, 526, 547-555.	5.2	13
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