Stephen D Evans

List of Publications by Year
in descending order

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271 papers	9,751 citations	30047 54 h-index	53190 85 g-index
280 all docs	280 docs citations	280 times ranked	11372 citing authors

#	Article	IF	Citations
1	Controlling the Optical Properties of Gold Nanorods in One-Pot Syntheses. Journal of Physical Chemistry C, 2022, 126, 3235-3243.	1.5	9
2	An Open Access Chamber Designed for the Acoustic Characterisation of Microbubbles. Applied Sciences (Switzerland), 2022, 12, 1818.	1.3	2
3	Chiral nematic liquid crystal droplets as a basis for sensor systems. Molecular Systems Design and Engineering, 2022, 7, 607-621.	1.7	15
4	Receptor tyrosine kinases regulate signal transduction through a liquid-liquid phase separated state. Molecular Cell, 2022, 82, 1089-1106.e12.	4.5	38
5	A Single Short â€˜Tone Burstâ€™ Results in Optimal Drug Delivery to Tumours Using Ultrasound-Triggered Therapeutic Microbubbles. Pharmaceutics, 2022, 14, 622.	2.0	6
6	Modeling the mechanical stiffness of pancreatic ductal adenocarcinoma. Matrix Biology Plus, 2022, 14, 100109.	1.9	7
7	Mechanically tuneable physical nanocomposite hydrogels from polyelectrolyte complex templated silica nanoparticles for anionic therapeutic delivery. Journal of Colloid and Interface Science, 2022, 617, 224-235.	5.0	11
8	Protein-conjugated microbubbles for the selective targeting of S. aureus biofilms. Biofilm, 2022, 4, 100074.	1.5	5
9	Developing a Raman spectroscopy-based tool to stratify patient response to pre-operative radiotherapy in rectal cancer. Analyst, The, 2021, 146, 581-589.	1.7	9
10	Polyelectrolyte complex templated synthesis of monodisperse, sub-100Ânm porous silica nanoparticles for cancer targeted and stimuli-responsive drug delivery. Journal of Colloid and Interface Science, 2021, 584, 669-683.	5.0	11
11	Novel oxygen-generation from electrospun nanofibrous scaffolds with anticancer properties: synthesis of PMMA-conjugate PVPâ€“H₂O₂ nanofibers, characterization, and in vitro bio-evaluation tests. RSC Advances, 2021, 11, 19978-19991.	1.7	8
12	Production of giant unilamellar vesicles and encapsulation of lyotropic nematic liquid crystals. Soft Matter, 2021, 17, 2234-2241.	1.2	15
13	Model Lipid Membranes Assembled from Natural Plant Thylakoids into 2D Microarray Patterns as a Platform to Assess the Organization and Photophysics of Lightâ€Harvesting Proteins. Small, 2021, 17, e2006608.	5.2	7
14	Evaluating Phospholipidâ€Functionalized Gold Nanorods for In Vivo Applications. Small, 2021, 17, 2006797.	5.2	14
15	10.1063/5.0040213.1. , 2021, , .		0
16	Horizon: Microfluidic platform for the production of therapeutic microbubbles and nanobubbles. Review of Scientific Instruments, 2021, 92, 074105.	0.6	15
17	Targeted microbubbles carrying lipid-oil-nanodroplets for ultrasound-triggered delivery of the hydrophobic drug, combretastatin A4. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102401.	1.7	10
18	Nanobubbles for therapeutic delivery: Production, stability and current prospects. Current Opinion in Colloid and Interface Science, 2021, 54, 101456.	3.4	29

#	Article	IF	Citations
19	Synthesis of near-infrared absorbing triangular Au nanoplates using biomineralisation peptides. Acta Biomaterialia, 2021, 131, 519-531.	4.1	7
20	Textures of Nematic Liquid Crystal Cylindric-Section Droplets Confined by Chemically Patterned Surfaces. Crystals, 2021, 11, 65.	1.0	5
21	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.	3.3	15
22	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.	4.6	45
23	Oneâ€Step Preparation of Biocompatible Gold Nanoplates with Controlled Thickness and Adjustable Optical Properties for Plasmonâ€Based Applications. Advanced Functional Materials, 2020, 30, 2003512.	7.8	22
24	Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. PLoS Pathogens, 2020, 16, e1008716.	2.1	9
25	Exploring High Aspect Ratio Gold Nanotubes as Cytosolic Agents: Structural Engineering and Uptake into Mesothelioma Cells. Small, 2020, 16, e2003793.	5.2	7
26	Freeze-Dried Therapeutic Microbubbles: Stability and Gas Exchange. ACS Applied Bio Materials, 2020, 3, 7840-7848.	2.3	6
27	Detection and time-tracking activation of a photosensitiser on live single colorectal cancer cells using Raman spectroscopy. Analyst, The, 2020, 145, 5878-5888.	1.7	10
28	Control of Director Fields in Phospholipid-Coated Liquid Crystal Droplets. Langmuir, 2020, 36, 6436-6446.	1.6	20
29	Nested Nanobubbles for Ultrasound-Triggered Drug Release. ACS Applied Materials & Interfaces, 2020, 12, 29085-29093.	4.0	27
30	High-throughput microfluidics for evaluating microbubble enhanced delivery of cancer therapeutics in spheroid cultures. Journal of Controlled Release, 2020, 326, 13-24.	4.8	38
31	Out-of-Plane Nanoscale Reorganization of Lipid Molecules and Nanoparticles Revealed by Plasmonic Spectroscopy. Journal of Physical Chemistry Letters, 2020, 11, 2875-2882.	2.1	3
32	Screening and characterisation of CdTe/CdS quantum dot-binding peptides for material surface functionalisation. RSC Advances, 2020, 10, 8218-8223.	1.7	4
33	Rotatable microfluidic device for simultaneous study of bilateral chemosensory neurons in Caenorhabditis elegans. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	4
34	Physical Biomarkers of Disease Progression: On-Chip Monitoring of Changes in Mechanobiology of Colorectal Cancer Cells. Scientific Reports, 2020, 10, 3254.	1.6	15
35	Dynamic Nanoscale Reorganization of Lipid Molecules and Nanoparticles Revealed by Plasmonic GAP Resonance Spectroscopy. Biophysical Journal, 2020, 118, 87a.	0.2	0
36	A bioinspired peptide matrix for the detection of 2,4,6-trinitrotoluene (TNT). Biosensors and Bioelectronics, 2020, 153, 112030.	5.3	21

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37	Nanoparticle-Loaded Hydrogel for the Light-Activated Release and Photothermal Enhancement of Antimicrobial Peptides. ACS Applied Materials & Interfaces, 2020, 12, 24544-24554.	4.0	79
38	Peptide-Functionalized Quantum Dots for Rapid Label-Free Sensing of 2,4,6-Trinitrotoluene. Bioconjugate Chemistry, 2020, 31, 1400-1407.	1.8	16
39	On-chip pressure measurements and channel deformation after oil absorption. SN Applied Sciences, 2020, 2, 1.	1.5	6
40	Organ on chip models for the evaluation of microbubble based therapeutic delivery. , 2020, , .		0
41	Title is missing!. , 2020, 16, e1008716.		0
42	Title is missing!. , 2020, 16, e1008716.		0
43	Title is missing!. , 2020, 16, e1008716.		0
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46	Title is missing!. , 2020, 16, e1008716.		0
47	Rational screening of biomineralisation peptides for colour-selected one-pot gold nanoparticle syntheses. Nanoscale Advances, 2019, 1, 71-75.	2.2	13
48	Subâ€Nanometer Thick Gold Nanosheets as Highly Efficient Catalysts. Advanced Science, 2019, 6, 1900911.	5.6	56
49	Subâ€Nanometer Thick Gold Nanosheets: Subâ€Nanometer Thick Gold Nanosheets as Highly Efficient Catalysts (Adv. Sci. 21/2019). Advanced Science, 2019, 6, 1970129.	5.6	0
50	Molecular Effects of Glycerol on Lipid Monolayers at the Gasâ€“Liquid Interface: Impact on Microbubble Physical and Mechanical Properties. Langmuir, 2019, 35, 10097-10105.	1.6	24
51	Cells Under Stress: An Inertial-Shear Microfluidic Determination of Cell Behavior. Biophysical Journal, 2019, 116, 1127-1135.	0.2	68
52	Developing gold nanotubes as photoacoustic contrast agents. Journal of Physics: Conference Series, 2019, 1151, 012018.	0.3	8
53	Lipid coated liquid crystal droplets for the on-chip detection of antimicrobial peptides. Lab on A Chip, 2019, 19, 1082-1089.	3.1	65
54	Combined flow-focus and self-assembly routes for the formation of lipid stabilized oil-shelled microbubbles. Microsystems and Nanoengineering, 2018, 4, .	3.4	11

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55	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.	5.2	64
56	Morphological control of seedlessly-synthesized gold nanorods using binary surfactants. Nanotechnology, 2018, 29, 135601.	1.3	18
57	Tandem fluorescence and Raman (fluoRaman) characterisation of a novel photosensitiser in colorectal cancer cell line SW480. Analyst, The, 2018, 143, 6113-6120.	1.7	13
58	Developing Hollow-Channel Gold Nanoflowers as Trimodal Intracellular Nanoprobes. International Journal of Molecular Sciences, 2018, 19, 2327.	1.8	8
59	Stimuliâ€Responsive Release of Antimicrobials Using Hybrid Inorganic Nanoparticleâ€Associated Drugâ€Delivery Systems. Macromolecular Bioscience, 2018, 18, e1800207.	2.1	48
60	Recommendations for clinical translation of nanoparticle-enhanced radiotherapy. British Journal of Radiology, 2018, 91, 20180325.	1.0	12
61	Visualization of diffusion limited antimicrobial peptide attack on supported lipid membranes. Soft Matter, 2018, 14, 6146-6154.	1.2	27
62	Enhanced Tubulation of Liposome Containing Cardiolipin by MamY Protein from Magnetotactic Bacteria. Biotechnology Journal, 2018, 13, 1800087.	1.8	12
63	Biochemical fingerprint of colorectal cancer cell lines using labelâ€free live singleâ€cell Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1323-1332.	1.2	32
64	Energy Storage: Confined Assembly of Hollow Carbon Spheres in Carbonaceous Nanotube: A Spheres-in-Tube Carbon Nanostructure with Hierarchical Porosity for High-Performance Supercapacitor (Small 19/2018). Small, 2018, 14, 1870089.	5.2	10
65	Characterisation of Liposome-Loaded Microbubble Populations for Subharmonic Imaging. Ultrasound in Medicine and Biology, 2017, 43, 346-356.	0.7	29
66	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. Chemical Science, 2017, 8, 4517-4526.	3.7	20
67	Evaluation of lipid-stabilised tripropionin nanodroplets as a delivery route for combretastatin A4. International Journal of Pharmaceutics, 2017, 526, 547-555.	2.6	13
68	Soft Ultraviolet (UV) Photopatterning and Metallization of Self-Assembled Monolayers (SAMs) Formed from the Lipoic Acid Ester of Î±-Hydroxy-1-acetylpyrene: The Generality of Acid-Catalyzed Removal of Thiol-on-Gold SAMs using Soft UV Light. ACS Applied Materials & Interfaces, 2017, 9, 18388-18397.	4.0	6
69	Simple, Direct Routes to Polymer Brush Traps and Nanostructures for Studies of Diffusional Transport in Supported Lipid Bilayers. Langmuir, 2017, 33, 3672-3679.	1.6	4
70	Controlling transmembrane protein concentration and orientation in supported lipid bilayers. Chemical Communications, 2017, 53, 4250-4253.	2.2	13
71	Plasmonic band-edge modulated surface-enhanced Raman scattering. Applied Physics Letters, 2017, 111, 051601.	1.5	4
72	Kinetically controlled fabrication of gold nanorods and investigation of their thermal stability via in-situ TEM heating. Journal of Physics: Conference Series, 2017, 902, 012007.	0.3	1

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73	Fluctuating Lipid Nanodomains Near Critical Transitions. Biophysical Journal, 2016, 110, 571a.	0.2	2
74	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.	3.2	123
75	Phospholipid dependent mechanism of smp24, an Î±-helical antimicrobial peptide from scorpion venom. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2737-2744.	1.4	27
76	Observation of compositional domains within individual copper indium sulfide quantum dots. Nanoscale, 2016, 8, 16157-16161.	2.8	10
77	The influence of intercalating perfluorohexane into lipid shells on nano and microbubble stability. Soft Matter, 2016, 12, 7223-7230.	1.2	36
78	One-step fabrication of hollow-channel gold nanoflowers with excellent catalytic performance and large single-particle SERS activity. Nanoscale, 2016, 8, 14932-14942.	2.8	38
79	On-chip preparation of nanoscale contrast agents towards high-resolution ultrasound imaging. Lab on A Chip, 2016, 16, 679-687.	3.1	61
80	Photosynthetic Proteins in Supported Lipid Bilayers: Towards a Biokleptic Approach for Energy Capture. Small, 2015, 11, 3306-3318.	5.2	8
81	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.	2.7	25
82	Generalized circuit model for coupled plasmonic systems. Optics Express, 2015, 23, 33255.	1.7	62
83	Engineering Gold Nanotubes with Controlled Length and Nearâ€Infrared Absorption for Theranostic Applications. Advanced Functional Materials, 2015, 25, 2117-2127.	7.8	74
84	Facile Formation of Highly Mobile Supported Lipid Bilayers on Surface-Quaternized pH-Responsive Polymer Brushes. Macromolecules, 2015, 48, 3095-3103.	2.2	25
85	New Poly(amino acid methacrylate) Brush Supports the Formation of Well-Defined Lipid Membranes. Langmuir, 2015, 31, 3668-3677.	1.6	16
86	Theranostics: Engineering Gold Nanotubes with Controlled Length and Nearâ€Infrared Absorption for Theranostic Applications (Adv. Funct. Mater. 14/2015). Advanced Functional Materials, 2015, 25, 2204-2204.	7.8	1
87	Optimization of Brownian ratchets for the manipulation of charged components within supported lipid bilayers. Applied Physics Letters, 2015, 106, .	1.5	22
88	Nanooptics of Molecular-Shunted Plasmonic Nanojunctions. Nano Letters, 2015, 15, 669-674.	4.5	162
89	Self-assembly of actin scaffolds on lipid microbubbles. Soft Matter, 2014, 10, 694-700.	1.2	9
90	Reversible metallisation of soft UV patterned substrates. Journal of Materials Chemistry C, 2014, 2, 5916-5923.	2.7	4

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91	Poly(ethylene glycol) Lipid-Shelled Microbubbles: Abundance, Stability, and Mechanical Properties. Langmuir, 2014, 30, 5557-5563.	1.6	48
92	Enhanced Oxygen-Tolerance of the Full Heterotrimeric Membrane-Bound [NiFe]-Hydrogenase of Ralstonia eutropha. Journal of the American Chemical Society, 2014, 136, 8512-8515.	6.6	41
93	Diffusion in Low-Dimensional Lipid Membranes. Nano Letters, 2014, 14, 5984-5988.	4.5	15
94	Watching individual molecules flex within lipid membranes using SERS. Scientific Reports, 2014, 4, 5940.	1.6	48
95	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.	6.6	68
96	Increasing the sonoporation efficiency of targeted polydisperse microbubble populations using chirp excitation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2511-2520.	1.7	27
97	Fabrication and characterization of gold nano-wires templated on virus-like arrays of tobacco mosaic virus coat proteins. Nanotechnology, 2013, 24, 025605.	1.3	46
98	Alignment of a Columnar Hexagonal Discotic Liquid Crystal on Self-Assembled Monolayers. Journal of Physical Chemistry C, 2013, 117, 7533-7539.	1.5	26
99	Actin Assembly at Model-Supported Lipid Bilayers. Biophysical Journal, 2013, 105, 2355-2365.	0.2	14
100	Oxidation of Tertiary Amine-Derivatized Surfaces To Control Protein Adhesion. Langmuir, 2013, 29, 2961-2970.	1.6	12
101	Nanomechanics of Lipid Encapsulated Microbubbles with Functional Coatings. Langmuir, 2013, 29, 4096-4103.	1.6	36
102	Controlled Planar Alignment of Discotic Liquid Crystals in Microchannels Made Using SU8 Photoresist. Advanced Functional Materials, 2013, 23, 5997-6006.	7.8	34
103	Research Spotlight: Microbubbles for therapeutic delivery. Therapeutic Delivery, 2013, 4, 539-542.	1.2	9
104	High-frequency subharmonic imaging of liposome-loaded microbubbles. , 2013, , .		2
105	Liquid Crystals: Controlled Planar Alignment of Discotic Liquid Crystals in Microchannels Made Using SU8 Photoresist (Adv. Funct. Mater. 48/2013). Advanced Functional Materials, 2013, 23, 6108-6108.	7.8	0
106	Quantitation of MRI sensitivity to Quasiâ€monodisperse microbubble contrast agents for spatially resolved manometry. Magnetic Resonance in Medicine, 2013, 70, 1409-1418.	1.9	1
107	Acousto-microfluidics: Transporting microbubble and microparticle arrays in acoustic traps using surface acoustic waves. Journal of Applied Physics, 2012, 111, .	1.1	27
108	Chirp excitation of polydisperse microbubble populations for increasing sonoporation efficiency. , 2012, , .		1

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109	Separating the second harmonic response of tissue and microbubbles using bispectral analysis. , 2012, , .		4
110	Acousto-microfluidics: Trapping and transporting microbubbles using surface acoustic waves. , 2012, , .		0
111	Manipulation and sorting of membrane proteins using patterned diffusion-aided ratchets with AC fields in supported lipid bilayers. Soft Matter, 2012, 8, 5459.	1.2	19
112	Alignment of Discotic Lyotropic Liquid Crystals at Hydrophobic and Hydrophilic Self-Assembled Monolayers. Journal of Physical Chemistry C, 2012, 116, 12627-12635.	1.5	19
113	On-Chip Alternating Current Electrophoresis in Supported Lipid Bilayer Membranes. Analytical Chemistry, 2012, 84, 10702-10707.	3.2	13
114	Temperature dependent stiffness and visco-elastic behaviour of lipid coated microbubbles using atomic force microscopy. Soft Matter, 2012, 8, 1321-1326.	1.2	26
115	Expanding 3D geometry for enhanced on-chip microbubble production and single step formation of liposome modified microbubbles. Lab on A Chip, 2012, 12, 4544.	3.1	80
116	Biotemplated Magnetic Nanoparticle Arrays. Small, 2012, 8, 204-208.	5.2	66
117	Nanoparticle Arrays: Biotemplated Magnetic Nanoparticle Arrays (Small 2/2012). Small, 2012, 8, 203-203.	5.2	1
118	Fabrication of Lipid Tubules with Embedded Quantum Dots by Membrane Tubulation Protein. Small, 2012, 8, 1590-1595.	5.2	15
119	Exploiting additive and subtractive patterning for spatially controlled and robust bacterial co-cultures. Soft Matter, 2012, 8, 9147.	1.2	8
120	Determining the Concentration of CuInS₂ Quantum Dots from the Size-Dependent Molar Extinction Coefficient. Chemistry of Materials, 2012, 24, 2064-2070.	3.2	128
121	Driving bioenergetic processes with electrodes. Soft Matter, 2011, 7, 49-52.	1.2	6
122	Early Stages of Crystallization of Calcium Carbonate Revealed in Picoliter Droplets. Journal of the American Chemical Society, 2011, 133, 5210-5213.	6.6	105
123	Concentrating Membrane Proteins Using Asymmetric Traps and AC Electric Fields. Journal of the American Chemical Society, 2011, 133, 6521-6524.	6.6	36
124	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.	1.2	25
125	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.	6.6	39
126	Vesicle-modified electrodes to study proton-pumping by membrane proteins. Electrochimica Acta, 2011, 56, 10398-10405.	2.6	1

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127	Synthesis of nitrilotriacetic acid terminated tethers for the binding of His-tagged proteins to lipid bilayers and to gold. Tetrahedron, 2011, 67, 6246-6251.	1.0	0
128	Characteristics and durability of fluoropolymer thin films. Polymer Degradation and Stability, 2011, 96, 561-565.	2.7	7
129	The periodicity between the aggregated microbubbles by secondary radiation force. , 2011, , .		2
130	Cholesterol-based anchors and tethers for phospholipid bilayers and for model biological membranes. Soft Matter, 2010, 6, 6036.	1.2	39
131	A study of cytochrome bo3 in a tethered bilayer lipid membrane. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1917-1923.	0.5	20
132	A Selfâ€assembly Route for Double Bilayer Lipid Membrane Formation. ChemPhysChem, 2010, 11, 569-574.	1.0	21
133	Effect of the Structure of Cholesterolâ€Based Tethered Bilayer Lipid Membranes on Ionophore Activity. ChemPhysChem, 2010, 11, 2191-2198.	1.0	32
134	Planar Alignment of Columnar Discotic Liquid Crystals by Isotropic Phase Dewetting on Chemically Patterned Surfaces. Advanced Functional Materials, 2010, 20, 914-920.	7.8	42
135	Synthesis of Highâ€Surfaceâ€Area Platinum Nanotubes Using a Viral Template. Advanced Functional Materials, 2010, 20, 1295-1300.	7.8	118
136	Nearâ€Bulk Conductivity of Gold Nanowires as Nanoscale Interconnects and the Role of Atomically Smooth Interface. Advanced Materials, 2010, 22, 2338-2342.	11.1	106
137	Controlling Liquid Crystal Alignment Using Photocleavable Cyanobiphenyl Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2010, 2, 3686-3692.	4.0	29
138	Force spectroscopy of streptavidin conjugated lipid coated microbubbles. Bubble Science, Engineering & Technology, 2010, 2, 48-54.	0.2	14
139	STW resonator with organo-functionalized metallic nanoparticle film for vapor sensing. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1018-1023.	1.7	0
140	Formation and manipulation of two-dimensional arrays of micron-scale particles in microfluidic systems by surface acoustic waves. Applied Physics Letters, 2009, 94, .	1.5	68
141	Photoelectric Properties of Electrodeposited Copper(I) Oxide Nanowires. Journal of the Electrochemical Society, 2009, 156, K191.	1.3	13
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.	1.7	19
143	The adhesive properties of pyridine-terminated self-assembled monolayers. Thin Solid Films, 2009, 517, 3806-3812.	0.8	3
144	Surface Plasmon Raman Scattering Studies of Liquid Crystal Anchoring on Liquid-Crystal-Based Self-Assembled Monolayers. Journal of Physical Chemistry B, 2009, 113, 15550-15557.	1.2	10

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145	Improved Photoreaction Yields for Soft Ultraviolet Photolithography in Organothiol Self-Assembled Monolayers. Journal of Physical Chemistry C, 2009, 113, 21642-21647.	1.5	26
146	Anomalous uniform domain in a twisted nematic cell constructed from micropatterned surfaces. Liquid Crystals, 2009, 36, 353-358.	0.9	7
147	Manipulation and charge determination of proteins in photopatterned solid supported bilayers. Integrative Biology (United Kingdom), 2009, 1, 205-211.	0.6	37
148	Characterization of cytochrome bo3 activity in a native-like surface-tethered membrane. Biochemical Journal, 2009, 417, 555-560.	1.7	25
149	In vitro biosynthesis of bacterial peptidoglycan using d-Cys-containing precursors: fluorescent detection of transglycosylation and transpeptidation. Chemical Communications, 2009, , 4037.	2.2	3
150	pH-dependent adsorption of Au nanoparticles on chemically modified Si₃N₄MEMS devices. Journal of Experimental Nanoscience, 2009, 4, 147-157.	1.3	4
151	Vapour phase formation of amino functionalised Si3N4 surfaces. Surface Science, 2008, 602, 2724-2733.	0.8	10
152	The pH-dependent adhesion of nanoparticles to self-assembled monolayers on gold. Thin Solid Films, 2008, 516, 2987-2999.	0.8	9
153	Impedance Spectroscopy of Bacterial Membranes: Coenzyme-Q Diffusion in a Finite Diffusion Layer. Analytical Chemistry, 2008, 80, 9084-9090.	3.2	11
154	Native E. coli inner membrane incorporation in solid-supported lipid bilayer membranes. Biointerphases, 2008, 3, FA59-FA67.	0.6	39
155	Minimal F-Actin Cytoskeletal System for Planar Supported Phospholipid Bilayers. Langmuir, 2008, 24, 6827-6836.	1.6	33
156	Self-Assembled Layers Based on Isomerizable Stilbene and Diketoarylhydrazone Moieties. Langmuir, 2008, 24, 2479-2486.	1.6	20
157	Chemical Manipulation by X-rays of Functionalized Thiolate Self-Assembled Monolayers on Au. Langmuir, 2008, 24, 13969-13976.	1.6	31
158	Four-probe electrical characterization of Pt-coated TMV-based nanostructures. Nanotechnology, 2008, 19, 165704.	1.3	32
159	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, .	1.1	54
160	Magnetic field enhanced nano-tip fabrication for four-probe STM studies. Nanotechnology, 2008, 19, 085201.	1.3	11
161	Alignment of particles in microfluidic systems using standing surface acoustic waves. Applied Physics Letters, 2008, 92, .	1.5	89
162	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.	6.6	281

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163	Nematic liquid crystal alignment on chemical patterns. Liquid Crystals, 2007, 34, 1059-1069.	0.9	37
164	A Model System To Study the Insertion of Cholesterol into a Phospholipid Monolayer. Journal of Physical Chemistry B, 2007, 111, 379-386.	1.2	15
165	Photo-deprotection patterning of self-assembled monolayers. Journal of Experimental Nanoscience, 2007, 2, 279-290.	1.3	6
166	Titration of Ionizable Monolayers by Measurement of the Electric Double-Layer Force. Langmuir, 2007, 23, 6893-6895.	1.6	7
167	A Novel Method To Fabricate Patterned Bilayer Lipid Membranes. Langmuir, 2007, 23, 1354-1358.	1.6	30
168	Four-probe electrical transport measurements on individual metallic nanowires. Nanotechnology, 2007, 18, 065204.	1.3	71
169	Fabrication of a nanoparticle gradient substrate by thermochemical manipulation of an ester functionalized SAM. Journal of Materials Chemistry, 2007, 17, 5097.	6.7	13
170	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.	1.2	30
171	Supported Bilayer Lipid Membrane Arrays on Photopatterned Selfâ€Assembled Monolayers. Chemistry - A European Journal, 2007, 13, 7957-7964.	1.7	36
172	Proton transport into a tethered bilayer lipid membrane. Electrochemistry Communications, 2007, 9, 610-614.	2.3	32
173	Phase separation in mixed self-assembled monolayers and its effect on biomimetic membranes. Sensors and Actuators B: Chemical, 2007, 124, 501-509.	4.0	67
174	Comparative characterisation by atomic force microscopy and ellipsometry of soft and solid thin films. Surface and Interface Analysis, 2007, 39, 575-581.	0.8	20
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