Philip Bartlett

List of Publications by Year
in descending order

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307 papers	16,554 citations	13068 68 h-index	20307 116 g-index
357 all docs	357 docs citations	357 times ranked	13010 citing authors

#	Article	IF	Citations
1	LiFePO₄ Battery Material for the Production of Lithium from Brines: Effect of Brine Composition and Benefits of Dilution. ChemSusChem, 2022, 15, .	3.6	6
2	Electrodeposited WS₂ monolayers on patterned graphene. 2D Materials, 2022, 9, 015025.	2.0	3
3	AC-assisted deposition of aggregate free silica films with vertical pore structure. Nanoscale, 2022, 14, 5404-5411.	2.8	7
4	Selection and characterisation of weakly coordinating solvents for semiconductor electrodeposition. Physical Chemistry Chemical Physics, 2022, 24, 8093-8103.	1.3	4
5	Diffusion in weakly coordinating solvents. Electrochimica Acta, 2022, 425, 140720.	2.6	2
6	SERS using nanostarâ€inâ€cavity structures. Journal of Raman Spectroscopy, 2022, 53, 1871-1879.	1.2	3
7	Tungsten disulfide thin films via electrodeposition from a single source precursor. Chemical Communications, 2021, 57, 10194-10197.	2.2	3
8	Complete Electrolytic Plastron Recovery in a Low Drag Superhydrophobic Surface. ACS Omega, 2021, 6, 3483-3489.	1.6	8
9	Lateral Growth of MoS₂ 2D Material Semiconductors Over an Insulator Via Electrodeposition. Advanced Electronic Materials, 2021, 7, 2100419.	2.6	6
10	Waveguide Enhanced Raman Spectroscopy for Biosensing: A Review. ACS Sensors, 2021, 6, 2025-2045.	4.0	19
11	Phase-Change Memory by GeSbTe Electrodeposition in Crossbar Arrays. ACS Applied Electronic Materials, 2021, 3, 3610-3618.	2.0	12
12	Electrodeposition of GeSbTe-Based Resistive Switching Memory in Crossbar Arrays. Journal of Physical Chemistry C, 2021, 125, 26247-26255.	1.5	9
13	Large-Area Electrodeposition of Few-Layer MoS₂ on Graphene for 2D Material Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 49786-49794.	4.0	21
14	Thermoelectric Properties of Bismuth Telluride Thin Films Electrodeposited from a Nonaqueous Solution. ACS Omega, 2020, 5, 14679-14688.	1.6	16
15	Chloroantimonate electrochemistry in dichloromethane. Electrochimica Acta, 2020, 354, 136692.	2.6	8
16	Direct Detection and Discrimination of Nucleotide Polymorphisms Using Anthraquinone Labeled DNA Probes. Frontiers in Chemistry, 2020, 8, 381.	1.8	6
17	Using GISAXS to Detect Correlations between the Locations of Gold Particles Electrodeposited from an Aqueous Solution. Langmuir, 2020, 36, 4432-4438.	1.6	9
18	Electrodeposition of MoS₂ from Dichloromethane. Journal of the Electrochemical Society, 2020, 167, 106511.	1.3	16

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19	Towards a 3D GeSbTe phase change memory with integrated selector by non-aqueous electrodeposition. Faraday Discussions, 2019, 213, 339-355.	1.6	14
20	Direct Electron-Transfer Anisotropy of a Site-Specifically Immobilized Cellobiose Dehydrogenase. ACS Catalysis, 2019, 9, 7607-7615.	5.5	30
21	Waveguide Absorption Spectroscopy of Bovine Serum Albumin in the Mid-Infrared Fingerprint Region. ACS Sensors, 2019, 4, 1749-1753.	4.0	22
22	Site-Directed Immobilization of Bilirubin Oxidase for Electrocatalytic Oxygen Reduction. ACS Catalysis, 2019, 9, 2068-2078.	5.5	64
23	Valence change ReRAMs (VCM) - Experiments and modelling: general discussion. Faraday Discussions, 2019, 213, 259-286.	1.6	2
24	Electrochemical metallization ReRAMs (ECM) - Experiments and modelling: general discussion. Faraday Discussions, 2019, 213, 115-150.	1.6	5
25	Phase-change memories (PCM) â€“ Experiments and modelling: general discussion. Faraday Discussions, 2019, 213, 393-420.	1.6	7
26	Studying Direct Electron Transfer by Siteâ€Directed Immobilization of Cellobiose Dehydrogenase. ChemElectroChem, 2019, 6, 700-713.	1.7	27
27	Electrodeposition of bismuth telluride from a weakly coordinating, non-aqueous solution. Journal of Electroanalytical Chemistry, 2019, 839, 134-140.	1.9	7
28	Preface. Faraday Discussions, 2019, 213, 9-10.	1.6	0
29	Exploration of the Smallest Diameter Tin Nanowires Achievable with Electrodeposition: Sub 7 nm Sn Nanowires Produced by Electrodeposition from a Supercritical Fluid. Nano Letters, 2018, 18, 941-947.	4.5	21
30	There is no evidence to support literature claims of direct electron transfer (DET) for native glucose oxidase (GOx) at carbon nanotubes or graphene. Journal of Electroanalytical Chemistry, 2018, 819, 26-37.	1.9	144
31	Electrodeposition of Crystalline HgTe from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D802-D807.	1.3	5
32	Electrodeposition of a Functional Solid State Memory Material: Germanium Antimony Telluride from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D557-D567.	1.3	9
33	Electrodeposition of tin nanowires from a dichloromethane based electrolyte. RSC Advances, 2018, 8, 24013-24020.	1.7	11
34	Active gas replenishment and sensing of the wetting state in a submerged superhydrophobic surface. Soft Matter, 2017, 13, 1413-1419.	1.2	10
35	Tin, Bismuth, and Tinâ€“Bismuth Alloy Electrodeposition from Chlorometalate Salts in Deep Eutectic Solvents. ChemistryOpen, 2017, 6, 393-401.	0.9	24
36	Plastic Reactor Suitable for High Pressure and Supercritical Fluid Electrochemistry. Journal of the Electrochemical Society, 2017, 164, H375-H381.	1.3	2

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37	A Flexible Method for the Stable, Covalent Immobilization of Enzymes at Electrode Surfaces. ChemElectroChem, 2017, 4, 1528-1534.	1.7	48
38	Supercritical fluid electrodeposition, structural and electrical characterisation of tellurium nanowires. RSC Advances, 2017, 7, 40720-40726.	1.7	8
39	Electrodeposition of Protocrystalline Germanium from Supercritical Difluoromethane. ChemElectroChem, 2016, 3, 726-733.	1.7	9
40	Toward the Control of the Creation of Mixed Monolayers on Glassy Carbon Surfaces by Amine Oxidation. Chemistry - A European Journal, 2016, 22, 1030-1036.	1.7	6
41	A reference electrode for use in supercritical difluoromethane. Electrochimica Acta, 2016, 187, 323-328.	2.6	3
42	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Mainâ€Group Materials. Chemistry - A European Journal, 2016, 22, 302-309.	1.7	17
43	The voltammetry of decamethylferrocene and coboltacene in supercritical difluoromethane (R32). Journal of Electroanalytical Chemistry, 2016, 780, 282-289.	1.9	4
44	Haloplumbate salts as reagents for the non-aqueous electrodeposition of lead. RSC Advances, 2016, 6, 73323-73330.	1.7	2
45	Surface and waveguide collection of Raman emission in waveguide-enhanced Raman spectroscopy. Optics Letters, 2016, 41, 4146.	1.7	28
46	Power Budget Analysis for Waveguide-Enhanced Raman Spectroscopy. Applied Spectroscopy, 2016, 70, 1384-1391.	1.2	6
47	Using Electrochemical SERS to Measure the Redox Potential of Drug Molecules Bound to dsDNAâ€"a Study of Mitoxantrone. Electrochimica Acta, 2016, 187, 684-692.	2.6	28
48	Specifically horizontally tethered DNA probes on Au surfaces allow labelled and label-free DNA detection using SERS and electrochemically driven melting. Chemical Science, 2016, 7, 386-393.	3.7	30
49	The Role of Electrochemical Engineering in Our Energy Future. Advances in Electrochemical Science and Engineering, 2015, , 1-6.	0.0	0
50	Electrochemistry in supercritical fluids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20150007.	1.6	19
51	Supercritical Fluid Electrodeposition of Elemental Germanium onto Titanium Nitride Substrates. Journal of the Electrochemical Society, 2015, 162, D619-D624.	1.3	12
52	Divalent ytterbium complexes with crown and heterocrown ethers. Dalton Transactions, 2015, 44, 2953-2955.	1.6	11
53	Using Surface-Enhanced Raman Spectroscopy and Electrochemically Driven Melting to Discriminate Yersinia pestis from Y. pseudotuberculosis Based on Single Nucleotide Polymorphisms within Unpurified Polymerase Chain Reaction Amplicons. Analytical Chemistry, 2015, 87, 1605-1612.	3.2	27
54	The effect of temperature on electrochemically driven denaturation monitored by SERS. Bioelectrochemistry, 2015, 106, 353-358.	2.4	9

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55	Strain discrimination of Yersinia pestis using a SERS-based electrochemically driven melting curve analysis of variable number tandem repeat sequences. Chemical Science, 2015, 6, 1846-1852.	3.7	12
56	Non-aqueous electrodeposition of functional semiconducting metal chalcogenides: Ge₂Sb₂Te₅ phase change memory. Materials Horizons, 2015, 2, 420-426.	6.4	28
57	Wetting of Surfaces Made of Hydrophobic Cavities. Langmuir, 2015, 31, 9325-9330.	1.6	14
58	Phase-Change Memory Properties of Electrodeposited Ge-Sb-Te Thin Film. Nanoscale Research Letters, 2015, 10, 432.	3.1	12
59	Electrochemical studies of decamethylferrocene in supercritical carbon dioxide mixtures. Physical Chemistry Chemical Physics, 2015, 17, 261-267.	1.3	13
60	Self-Powered Wireless Carbohydrate/Oxygen Sensitive Biodevice Based on Radio Signal Transmission. PLoS ONE, 2014, 9, e109104.	1.1	62
61	Halometallate Complexes of Germanium(II) and (IV): Probing the Role of Cation, Oxidation State and Halide on the Structural and Electrochemical Properties. Chemistry - A European Journal, 2014, 20, 5019-5027.	1.7	26
62	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. ChemElectroChem, 2014, 1, 187-194.	1.7	19
63	Electrodeposition from supercritical fluids. Physical Chemistry Chemical Physics, 2014, 16, 9202.	1.3	41
64	Preparation of copper sphere segment void templates for electrochemical SERS and their use to study the interaction of amino acids with copper under potentiostatic control. Electrochimica Acta, 2014, 144, 400-405.	2.6	14
65	Design of Maleimideâ€Functionalised Electrodes for Covalent Attachment of Proteins through Free Surface Cysteine Groups. Chemistry - A European Journal, 2014, 20, 5550-5554.	1.7	10
66	A study of the modification of glassy carbon and edge and basal plane highly oriented pyrolytic graphite electrodes modified with anthraquinone using diazonium coupling and solid phase synthesis and their use for oxygen reduction. Journal of Electroanalytical Chemistry, 2013, 706, 25-32.	1.9	26
67	Non-aqueous electrodeposition of p-block metals and metalloids from halometallate salts. RSC Advances, 2013, 3, 15645.	1.7	43
68	Denaturation of dsDNA immobilised at a negatively charged gold electrode is not caused by electrostatic repulsion. Chemical Science, 2013, 4, 1625.	3.7	32
69	The deposition of mesoporous Ni/Co alloy using cetyltrimethylammonium bromide as the surfactant in the lyotropic liquid crystalline phase bath. Journal of Electroanalytical Chemistry, 2013, 688, 232-236.	1.9	10
70	Solid phase modification of carbon nanotubes with anthraquinone and nitrobenzene functional groups. Electrochemistry Communications, 2013, 34, 258-262.	2.3	12
71	A Hisâ€Tagged Melanocarpus albomyces Laccase and its Electrochemistry upon Immobilisation on NTAâ€Modified Electrodes and in Conducting Polymer Films. ChemPhysChem, 2013, 14, 2225-2231.	1.0	13
72	Evidence for enhanced capacitance and restricted motion of an ionic liquid confined in 2 nm diameter Pt mesopores. Physical Chemistry Chemical Physics, 2012, 14, 3872.	1.3	17

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73	Direct assembly of three-dimensional mesh plasmonic rolls. Applied Physics Letters, 2012, 100, 193107.	1.5	15
74	A Label-Free, Electrochemical SERS-Based Assay for Detection of DNA Hybridization and Discrimination of Mutations. Journal of the American Chemical Society, 2012, 134, 14099-14107.	6.6	92
75	Incident Wavelength Resolved Resonant SERS on Au Sphere Segment Void (SSV) Arrays. Journal of Physical Chemistry C, 2012, 116, 3414-3420.	1.5	32
76	Influence of macroporous gold support and its functionalization on lactate oxidase-based biosensors response. Talanta, 2012, 94, 328-334.	2.9	32
77	Combined macro-/mesoporous microelectrode arrays for low-noise extracellular recording of neural networks. Journal of Neurophysiology, 2012, 108, 1793-1803.	0.9	54
78	Using spacer layers to control metal and semiconductor absorption in ultrathin solar cells with plasmonic substrates. Physical Review B, 2012, 85, .	1.1	28
79	Modification of nanostructured gold surfaces with organic functional groups using electrochemical and solid-phase synthesis methodologies. Journal of Electroanalytical Chemistry, 2012, 670, 42-49.	1.9	7
80	High-Throughput Synthesis and Electrochemical Screening of a Library of Modified Electrodes for NADH Oxidation. Journal of the American Chemical Society, 2012, 134, 18022-18033.	6.6	35
81	Mass transport controlled oxygen reduction at anthraquinone modified 3D-CNT electrodes with immobilized Trametes hirsuta laccase. Physical Chemistry Chemical Physics, 2012, 14, 11882.	1.3	41
82	Real-Time Surface-Enhanced Raman Spectroscopy Monitoring of Surface pH during Electrochemical Melting of Double-Stranded DNA. Langmuir, 2012, 28, 5464-5470.	1.6	17
83	Electrodeposition of germanium from supercritical fluids. Physical Chemistry Chemical Physics, 2012, 14, 1517-1528.	1.3	33
84	Covalent modification of carbon nanotubes with anthraquinone by electrochemical grafting and solid phase synthesis. Electrochimica Acta, 2012, 68, 74-80.	2.6	30
85	The effect of base-pair sequence on electrochemically driven denaturation. Bioelectrochemistry, 2012, 85, 7-13.	2.4	17
86	Phase behaviour and conductivity study of electrolytes in supercritical hydrofluorocarbons. Physical Chemistry Chemical Physics, 2011, 13, 190-198.	1.3	14
87	SERS from two-tier sphere segment void substrates. Physical Chemistry Chemical Physics, 2011, 13, 16661.	1.3	17
88	The effect of Bi adsorption on CO oxidation inside 1.8 nm Pt pores. Physical Chemistry Chemical Physics, 2011, 13, 17964.	1.3	2
89	Dressing Plasmons in Particle-in-Cavity Architectures. Nano Letters, 2011, 11, 1221-1226.	4.5	101
90	SERS from molecules bridging the gap of particle-in-cavity structures. Chemical Communications, 2011, 47, 6335.	2.2	36

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91	An analysis of the kinetics of oxidation of ascorbate at poly(aniline)-poly(styrene sulfonate) modified microelectrodes. Physical Chemistry Chemical Physics, 2011, 13, 5365.	1.3	18
92	Enhancing solar cells with localized plasmons in nanovoids. Optics Express, 2011, 19, 11256.	1.7	76
93	The oxidation of ascorbate at copolymeric sulfonated poly(aniline) coated on glassy carbon electrodes. Bioelectrochemistry, 2011, 80, 105-113.	2.4	22
94	Enhancing solar cells with localized plasmons in nanovoids. , 2011, , .		0
95	Tunable 3D Plasmonic Swiss Rolls. , 2011, , .		0
96	Dressing Plasmons in Particle-in-Cavity Architectures. , 2011, , .		68
97	Electrodeposition of PANi films on platinum needle type microelectrodes. Application to the oxidation of ascorbate in human plasma. Analytica Chimica Acta, 2010, 676, 1-8.	2.6	29
98	Study of Carbon Monoxide Oxidation on Mesoporous Platinum. ChemPhysChem, 2010, 11, 2896-2905.	1.0	11
99	Analysis of Short Tandem Repeats by Using SERS Monitoring and Electrochemical Melting. Angewandte Chemie - International Edition, 2010, 49, 5917-5920.	7.2	18
100	The application of the relaxation and simplex method to the analysis of data for glucose electrodes based on glucose oxidase immobilised in an osmium redox polymer. Journal of Electroanalytical Chemistry, 2010, 646, 24-32.	1.9	26
101	Synthesis and structure of [{C7F15CO2}2AgAu(PPh3)]2 and its use in electrodeposition of goldâ€“silver alloys. Inorganica Chimica Acta, 2010, 363, 1048-1051.	1.2	6
102	Position-dependent coupling between a channel waveguide and a distorted microsphere resonator. Journal of Applied Physics, 2010, 107, 053105.	1.1	22
103	Monolayer anthracene and anthraquinone modified electrodes as platforms for Trametes hirsuta laccase immobilisation. Physical Chemistry Chemical Physics, 2010, 12, 10018.	1.3	78
104	Understanding the Surface-Enhanced Raman Spectroscopy â€œBackgroundâ€• Journal of Physical Chemistry C, 2010, 114, 7242-7250.	1.5	118
105	The electrodeposition of copper from supercritical CO2/acetonitrile mixtures and from supercritical trifluoromethane. Physical Chemistry Chemical Physics, 2010, 12, 11744.	1.3	25
106	Phase behaviour and conductivity study on multi-component mixtures for electrodeposition in supercritical fluids. Physical Chemistry Chemical Physics, 2010, 12, 492-501.	1.3	25
107	Nanovoid Plasmonic-Enhanced Low-Cost Photovoltaics. , 2010, , .		0
108	Fabrication of plasmonic Au nano-void trench arrays by guided self-assembly. , 2009, , .		0

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109	The fabrication of plasmonic Au nanovoid trench arrays by guided self-assembly. Nanotechnology, 2009, 20, 285309.	1.3	13
110	Electrodeposition of metals from supercritical fluids. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14768-14772.	3.3	70
111	Covalent Modification of Glassy Carbon Surfaces by Using Electrochemical and Solidâ€Phase Synthetic Methodologies: Application to Biâ€and Trifunctionalisation with Different Redox Centres. Chemistry - A European Journal, 2009, 15, 11928-11936.	1.7	19
112	The Use of an Electroactive Marker as a SERS Label in an Eâ€melting Mutation Discrimination Assay. Electroanalysis, 2009, 21, 2190-2197.	1.5	19
113	Electrochemical and solid-phase synthetic modification of glassy carbon electrodes with dihydroxybenzene compounds and the electrocatalytic oxidation of NADH. Bioelectrochemistry, 2009, 76, 115-125.	2.4	36
114	UV SERS at well ordered Pd sphere segment void (SSV) nanostructures. Physical Chemistry Chemical Physics, 2009, 11, 1023-1026.	1.3	42
115	Manipulating Spheres That Sink: Assembly of Micrometer Sized Glass Spheres for Optical Coupling. Langmuir, 2009, 25, 1872-1880.	1.6	5
116	Relating SERS Intensity to Specific Plasmon Modes on Sphere Segment Void Surfaces. Journal of Physical Chemistry C, 2009, 113, 9284-9289.	1.5	83
117	Electrodeposition of highly ordered macroporous iridium oxide through self-assembled colloidal templates. Journal of Materials Chemistry, 2009, 19, 3855.	6.7	51
118	Relaxation and Simplex mathematical algorithms applied to the study of steady-state electrochemical responses of immobilized enzyme biosensors: Comparison with experiments. Journal of Electroanalytical Chemistry, 2008, 616, 87-98.	1.9	31
119	Sharpâ€Cornered Liquid Drops by Wetting of Nanoscale Features. Small, 2008, 4, 2140-2142.	5.2	5
120	Electrochemical synthesis of macroporous zinc oxide layers by employing hydrogen peroxide as oxygen precursor. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2365-2370.	0.8	12
121	Covalent Tethering of Organic Functionality to the Surface of Glassy Carbon Electrodes by Using Electrochemical and Solidâ€Phase Synthesis Methodologies. Chemistry - A European Journal, 2008, 14, 2548-2556.	1.7	59
122	The assembly of micron sized glass spheres on structured surfaces by dewetting. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 327, 71-78.	2.3	5
123	Extracting kinetic parameters for homogeneous [Os(bpy)2ClPyCOOH]+ mediated enzyme reactions from cyclic voltammetry and simulations. Bioelectrochemistry, 2008, 74, 201-209.	2.4	36
124	Omnidirectional absorption in nanostructured metal surfaces. Nature Photonics, 2008, 2, 299-301.	15.6	430
125	Covalent modification of glassy carbon surface with organic redox probes through diamine linkers using electrochemical and solid-phase synthesis methodologies. Journal of Materials Chemistry, 2008, 18, 4917.	6.7	59
126	SERS-Melting: A New Method for Discriminating Mutations in DNA Sequences. Journal of the American Chemical Society, 2008, 130, 15589-15601.	6.6	165

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127	Imaging optical near fields at metallic nanoscale voids. Physical Review B, 2008, 78, .	1.1	23
128	Quantitative Electrochemical SERS of Flavin at a Structured Silver Surface. Langmuir, 2008, 24, 7018-7023.	1.6	64
129	Templated self-assembly and nano-plasmonics of nano-void surfaces. , 2008, , .		0
130	SERS at Structured Palladium and Platinum Surfaces. Journal of the American Chemical Society, 2007, 129, 7399-7406.	6.6	185
131	Reproducible SERRS from structured gold surfaces. Physical Chemistry Chemical Physics, 2007, 9, 6016.	1.3	89
132	Controlled Assembly of Micrometer-Sized Spheres:â€‰ Theory and Application. Langmuir, 2007, 23, 7859-7873.	1.6	16
133	Understanding Plasmons in Nanoscale Voids. Nano Letters, 2007, 7, 2094-2100.	4.5	182
134	Tuning plasmons on nano-structured substrates for NIR-SERS. Physical Chemistry Chemical Physics, 2007, 9, 104-109.	1.3	107
135	Transport mechanisms at Ni-Si Schottky barriers for spin injection. , 2006, , .		0
136	Strong Coupling between Localized Plasmons and Organic Excitons in Metal Nanovoids. Physical Review Letters, 2006, 97, 266808.	2.9	269
137	Strong coupling of light to flat metals via a buried nanovoid lattice: the interplay of localized and free plasmons. Optics Express, 2006, 14, 1965.	1.7	45
138	Mie plasmon enhanced diffraction of light from nanoporous metal surfaces. Optics Express, 2006, 14, 11964.	1.7	22
139	Sculpted substrates for SERS. Faraday Discussions, 2006, 132, 191-199.	1.6	141
140	Localized and delocalized plasmons in metallic nanovoids. Physical Review B, 2006, 74, .	1.1	250
141	Tuning localized plasmons in nanostructured metamaterials for surface-enhanced Raman scattering applications. , 2006, , WB5.		0
142	Orientation and symmetry control of inverse sphere magnetic nanoarrays by guided self-assembly. Journal of Applied Physics, 2006, 100, 113720.	1.1	17
143	Shape induced anomalies in vortex pinning and dynamics of superconducting antidot arrays with spherical cavities. Applied Physics Letters, 2006, 89, 092503.	1.5	29
144	Easily Coupled Whispering Gallery Plasmons in Dielectric Nanospheres Embedded in Gold Films. Physical Review Letters, 2006, 97, 137401.	2.9	71

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145	Oscillatory thickness dependence of the coercive field in magnetic three-dimensional antidot arrays. Applied Physics Letters, 2006, 88, 062511.	1.5	21
146	Bioelectrocatalysis with modified highly ordered macroporous electrodes. Journal of Electroanalytical Chemistry, 2005, 579, 181-187.	1.9	46
147	Electrochemical SERS at a structured gold surface. Electrochemistry Communications, 2005, 7, 740-744.	2.3	171
148	Self-assembly routes towards creating superconducting and magnetic arrays. Journal of Low Temperature Physics, 2005, 139, 339-349.	0.6	4
149	Oscillatory thickness dependence of the coercive field in three-dimensional anti-dot arrays from self-assembly. Journal of Applied Physics, 2005, 97, 10J701.	1.1	6
150	Voltammetry and determination of metronidazole at a carbon fiber microdisk electrode. Talanta, 2005, 66, 869-874.	2.9	79
151	Plasmonic Band Gaps and Trapped Plasmons on Nanostructured Metal Surfaces. Physical Review Letters, 2005, 95, 116802.	2.9	154
152	Wetting of Regularly Structured Gold Surfaces. Langmuir, 2005, 21, 1753-1757.	1.6	217
153	Optical coupling between a self-assembled microsphere grating and a rib waveguide. Applied Physics Letters, 2004, 84, 3513-3515.	1.5	7
154	Simultaneous SPR and electrochemical sensing of an alkane-thiol self-assembled monolayer (SAM): toward an optical biosensor. , 2004, 5502, 271.		0
155	The measurement of alkaline phosphatase at nanomolar concentration within 70 s using a disposable microelectrochemical transistor. Bioelectrochemistry, 2004, 64, 53-59.	2.4	14
156	A double templated electrodeposition method for the fabrication of arrays of metal nanodots. Electrochemistry Communications, 2004, 6, 447-453.	2.3	66
157	Phase interrogation of an integrated optical SPR sensor. Sensors and Actuators B: Chemical, 2004, 97, 114-121.	4.0	61
158	The demonstration of an enhanced microelectrochemical transistor for measurements in neutral solution at low analyte concentration. Bioelectrochemistry, 2004, 64, 15-22.	2.4	13
159	The effect of surface species on the rate of H sorption into nanostructured Pd. Physical Chemistry Chemical Physics, 2004, 6, 2895.	1.3	28
160	Tunable resonant optical microcavities by self-assembled templating. Optics Letters, 2004, 29, 1500.	1.7	17
161	Optical properties of nanostructured metal films. Faraday Discussions, 2004, 125, 117.	1.6	185
162	Preparation and characterization of H1â€“e rhodium films. Microporous and Mesoporous Materials, 2003, 62, 73-79.	2.2	51

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163	Electrocatalysis with monolayer modified highly organized macroporous electrodes. Electrochemistry Communications, 2003, 5, 747-751.	2.3	49
164	Measurement of the Kinetic Isotope Effect for the Oxidation of NADH at a Poly(aniline)-Modified Electrode. Journal of the American Chemical Society, 2003, 125, 4014-4015.	6.6	37
165	A Micromachined Calorimetric Gas Sensor:Â an Application of Electrodeposited Nanostructured Palladium for the Detection of Combustible Gases. Analytical Chemistry, 2003, 75, 126-132.	3.2	50
166	Electrochemical Deposition of Nanostructured (H1-e) Layers of Two Metals in Which Pores within the Two Layers Interconnect. Chemistry of Materials, 2003, 15, 2962-2968.	3.2	41
167	Electrochemical deposition of macroporous magnetic networks using colloidal templates. Journal of Materials Chemistry, 2003, 13, 2596.	6.7	115
168	The effect of calcium ions on the electrocatalytic oxidation of NADH by poly(aniline)-poly(vinylsulfonate) and poly(aniline)-poly(styrenesulfonate) modified electrodes. Physical Chemistry Chemical Physics, 2003, 5, 588-593.	1.3	11
169	Spherical micromirrors from templated self-assembly: Polarization rotation on the micron scale. Applied Physics Letters, 2003, 83, 767-769.	1.5	35
170	Magnetic antidot arrays from self-assembly template methods. Journal of Applied Physics, 2003, 93, 7322-7324.	1.1	41
171	The preparation and characterisation of H1-e palladium films with a regular hexagonal nanostructure formed by electrochemical deposition from lyotropic liquid crystalline phases. Physical Chemistry Chemical Physics, 2002, 4, 3835-3842.	1.3	173
172	Templated electrochemical deposition of nanostructured macroporous PbO2. Journal of Materials Chemistry, 2002, 12, 3130-3135.	6.7	88
173	Waveguide surface plasmon resonance studies of surface reactions on gold electrodes. Faraday Discussions, 2002, 121, 139-152.	1.6	12
174	Highly Ordered Macroporous Gold and Platinum Films Formed by Electrochemical Deposition through Templates Assembled from Submicron Diameter Monodisperse Polystyrene Spheres. Chemistry of Materials, 2002, 14, 2199-2208.	3.2	328
175	A method for the determination of enzyme mass loading on an electrode surface through radioisotope labelling. Biosensors and Bioelectronics, 2002, 17, 965-972.	5.3	8
176	Immobilisation of enzymes on poly(aniline)â€“poly(anion) composite films. Preparation of bioanodes for biofuel cell applications. Bioelectrochemistry, 2002, 55, 13-15.	2.4	57
177	The design of dehydrogenase enzymes for use in a biofuel cell: the role of genetically introduced peptide tags in enzyme immobilization on electrodes. Bioelectrochemistry, 2002, 55, 21-23.	2.4	31
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