

Amanda Ellis

List of Publications by Year in descending order

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159
papers

6,346
citations

101384

36
h-index

76769

74
g-index

165
all docs

165
docs citations

165
times ranked

9623
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in PDMS surface modification for microfluidic devices. <i>Electrophoresis</i> , 2010, 31, 2-16.	1.3	692
2	Structural and Spectral Features of Selenium Nanospheres Produced by Se-Respiring Bacteria. <i>Applied and Environmental Microbiology</i> , 2004, 70, 52-60.	1.4	421
3	Molecular Structure of 3-Aminopropyltriethoxysilane Layers Formed on Silanol-Terminated Silicon Surfaces. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6289-6297.	1.5	345
4	Surface modification for PDMS-based microfluidic devices. <i>Electrophoresis</i> , 2012, 33, 89-104.	1.3	263
5	Hydrophobic Anchoring of Monolayer-Protected Gold Nanoclusters to Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 279-282.	4.5	211
6	New developments in composites, copolymer technologies and processing techniques for flexible fluoropolymer piezoelectric generators for efficient energy harvesting. <i>Energy and Environmental Science</i> , 2019, 12, 1143-1176.	15.6	187
7	Alginate-graphene oxide hybrid gel beads: An efficient copper adsorbent material. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 32-38.	5.0	185
8	Laying Waste to Mercury: Inexpensive Sorbents Made from Sulfur and Recycled Cooking Oils. <i>Chemistry - A European Journal</i> , 2017, 23, 16219-16230.	1.7	185
9	Copper removal using bio-inspired polydopamine coated natural zeolites. <i>Journal of Hazardous Materials</i> , 2014, 273, 174-182.	6.5	160
10	Enhanced adsorption of mercury ions on thiol derivatized single wall carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2013, 261, 534-541.	6.5	158
11	Benzene carboxylic acid derivatized graphene oxide nanosheets on natural zeolites as effective adsorbents for cationic dye removal. <i>Journal of Hazardous Materials</i> , 2013, 260, 330-338.	6.5	125
12	Stimulus-Responsiveness and Drug Release from Porous Silicon Films ATRP-Grafted with Poly(<i>N</i> -isopropylacrylamide). <i>Langmuir</i> , 2011, 27, 7843-7853.	1.6	108
13	Self-assembled subnanolayers as interfacial adhesion enhancers and diffusion barriers for integrated circuits. <i>Applied Physics Letters</i> , 2003, 83, 383-385.	1.5	107
14	Advances in graphene-based supercapacitor electrodes. <i>Energy Reports</i> , 2020, 6, 2768-2784.	2.5	100
15	Microplastic contamination of an unconfined groundwater aquifer in Victoria, Australia. <i>Science of the Total Environment</i> , 2022, 802, 149727.	3.9	100
16	Templateless Room-Temperature Assembly of Nanowire Networks from Nanoparticles. <i>Langmuir</i> , 2004, 20, 5583-5587.	1.6	98
17	Variation in performance of surfactant loading and resulting nitrate removal among four selected natural zeolites. <i>Journal of Hazardous Materials</i> , 2010, 183, 616-621.	6.5	91
18	Cadmium sulfide quantum dot/chitosan nanocomposites for latent fingerprint detection. <i>Forensic Science International</i> , 2009, 187, 97-102.	1.3	75

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19	Polysulfides made from re-purposed waste are sustainable materials for removing iron from water. RSC Advances, 2018, 8, 1232-1236.	1.7	74
20	Toehold-Mediated Nonenzymatic DNA Strand Displacement As a Platform for DNA Genotyping. Journal of the American Chemical Society, 2013, 135, 5612-5619.	6.6	64
21	Plasma-Enhanced Synthesis of Bioactive Polymeric Coatings from Monoterpene Alcohols: A Combined Experimental and Theoretical Study. Biomacromolecules, 2010, 11, 2016-2026.	2.6	63
22	Surface treatment of Basalt fiber for use in automotive composites. Materials Today Chemistry, 2020, 17, 100334.	1.7	63
23	Printed recyclable and self-poled polymer piezoelectric generators through single-walled carbon nanotube templating. Energy and Environmental Science, 2020, 13, 868-883.	15.6	60
24	Measuring Piezoelectric Output—Fact or Friction?. Advanced Materials, 2020, 32, e2002979.	11.1	58
25	Interfacial piezoelectric polarization locking in printable Ti3C2Tx MXene-fluoropolymer composites. Nature Communications, 2021, 12, 3171.	5.8	57
26	Dynamic electrical properties of polymer-carbon nanotube composites: Enhancement through covalent bonding. Journal of Materials Research, 2006, 21, 1071-1077.	1.2	53
27	Surface initiated polydopamine grafted poly([2-(methacryloyloxy)ethyl]trimethylammonium chloride) coatings to produce reverse osmosis desalination membranes with anti-biofouling properties. Journal of Membrane Science, 2014, 468, 216-223.	4.1	53
28	Fabrication of self-supporting porous silicon membranes and tuning transport properties by surface functionalization. Nanoscale, 2010, 2, 1756.	2.8	51
29	Carbon Exchange in Hot Alkaline Degradation of Glucose. Journal of Organic Chemistry, 2002, 67, 8469-8474.	1.7	49
30	Antimony-carbon nanocomposites for potassium-ion batteries: Insight into the failure mechanism in electrodes and possible avenues to improve cyclic stability. Journal of Power Sources, 2019, 413, 476-484.	4.0	49
31	Microfabrication of PDMS microchannels using SU-8/PMMA moldings and their sealing to polystyrene substrates. Smart Materials and Structures, 2007, 16, 367-371.	1.8	43
32	Beta-cyclodextrin decorated nanostructured SERS substrates facilitate selective detection of endocrine disruptor chemicals. Biosensors and Bioelectronics, 2013, 42, 632-639.	5.3	43
33	A bright future for engineering piezoelectric 2D crystals. Chemical Society Reviews, 2022, 51, 650-671.	18.7	43
34	Functionalization of carbon nanotubes using phenosafranin. Journal of Chemical Physics, 2004, 120, 4886-4889.	1.2	40
35	Highly conductive interwoven carbon nanotube and silver nanowire transparent electrodes. Science and Technology of Advanced Materials, 2013, 14, 035004.	2.8	40
36	Poly(dimethylsiloxane) for Triboelectricity: From Mechanisms to Practical Strategies. Chemistry of Materials, 2021, 33, 4304-4327.	3.2	40

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37	The electrochemical phenomena and kinetics of EDTA-copper wastewater reclamation by electrodeposition and ultrasound. <i>Separation and Purification Technology</i> , 2009, 68, 216-221.	3.9	37
38	Single-Walled Carbon Nanotube/Polyaniline/Silicon Solar Cells: Fabrication, Characterization, and Performance Measurements. <i>ChemSusChem</i> , 2013, 6, 320-327.	3.6	37
39	Aptamer sensor for cocaine using minor groove binder based energy transfer. <i>Analytica Chimica Acta</i> , 2012, 719, 76-81.	2.6	36
40	Highly porous regenerated cellulose hydrogel and aerogel prepared from hydrothermal synthesized cellulose carbamate. <i>PLoS ONE</i> , 2017, 12, e0173743.	1.1	36
41	Structure of Molecular Weight Fractions of Bayer Humic Substances. 1. Low-Temperature Products. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 4663-4674.	1.8	35
42	Single walled carbon nanotube network electrodes for dye solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1665-1672.	3.0	34
43	Copper cation transport and scaling of ionic exchange membranes using electro dialysis under electroconvection conditions. <i>Journal of Membrane Science</i> , 2010, 361, 56-62.	4.1	34
44	CdS/polymer nanocomposites synthesized via surface initiated RAFT polymerization for the fluorescent detection of latent fingerprints. <i>Forensic Science International</i> , 2013, 228, 105-114.	1.3	34
45	Phenanthrene removal in unsaturated soils treated by electrokinetics with different surfactants-Triton X-100 and rhamnolipid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 348, 157-163.	2.3	33
46	Nanotechnology as a New Tool for Fingerprint Detection: A Review. <i>Current Nanoscience</i> , 2011, 7, 153-159.	0.7	33
47	Diatom adaptability to environmental change: a case study of two <i>Cocconeis</i> species from high-salinity areas. <i>Diatom Research</i> , 2013, 28, 29-35.	0.5	33
48	3D-Printed Triboelectric Nanogenerators: State of the Art, Applications, and Challenges. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000045.	2.8	32
49	Probing Contact Electrification: A Cohesively Sticky Problem. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44935-44947.	4.0	31
50	Polyelectrolyte nanolayers as diffusion barriers for Cu metallization. <i>Applied Physics Letters</i> , 2003, 83, 3302-3304.	1.5	30
51	3D printing of poly(vinylidene fluoride-trifluoroethylene): a poling-free technique to manufacture flexible and transparent piezoelectric generators. <i>MRS Communications</i> , 2019, 9, 159-164.	0.8	30
52	Grapevine waste in sustainable hybrid particleboard production. <i>Waste Management</i> , 2020, 118, 501-509.	3.7	30
53	Electrocatalytic characterization and dye degradation of Nano-TiO ₂ electrode films fabricated by CVD. <i>Science of the Total Environment</i> , 2009, 407, 5914-5920.	3.9	29
54	Optimization and Doping of Reduced Graphene Oxide-Silicon Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15648-15656.	1.5	29

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55	Highly dispersed and disordered nickel-iron layered hydroxides and sulphides: robust and high-activity water oxidation catalysts. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1561-1573.	2.5	29
56	Non-toxic luminescent carbon dot/poly(dimethylacrylamide) nanocomposite reagent for latent fingermark detection synthesized via surface initiated reversible addition fragmentation chain transfer polymerization. <i>Polymer International</i> , 2015, 64, 884-891.	1.6	28
57	Carbon Nanotubes Anchored to Silicon for Device Fabrication. <i>Advanced Materials</i> , 2010, 22, 557-571.	11.1	27
58	Comparison of double-walled with single-walled carbon nanotube electrodes by electrochemistry. <i>Carbon</i> , 2011, 49, 2639-2647.	5.4	27
59	Electrochemical synthesis of silver oxide nanowires, microplatelets and application as SERS substrate precursors. <i>Electrochimica Acta</i> , 2012, 59, 346-353.	2.6	27
60	Personalized, Mechanically Strong, and Biodegradable Coronary Artery Stents via Melt Electrowriting. <i>ACS Macro Letters</i> , 2020, 9, 1732-1739.	2.3	27
61	Magnetic properties of multiwalled carbon nanotubes as a function of acid treatment. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 302, 378-381.	1.0	26
62	Electrochemically prepared porous silver and its application in surface-enhanced Raman scattering. <i>Journal of Electroanalytical Chemistry</i> , 2011, 659, 151-160.	1.9	26
63	Polymerization-Amplified Optical DNA Detection on Porous Silicon Templates. <i>ACS Macro Letters</i> , 2012, 1, 919-921.	2.3	26
64	Assessing exposure of the Australian population to microplastics through bottled water consumption. <i>Science of the Total Environment</i> , 2022, 837, 155329.	3.9	26
65	UV Light Stability of β -Cyclodextrin/Resveratrol Host - Guest Complexes and Isomer Stability at Varying pH. <i>Australian Journal of Chemistry</i> , 2009, 62, 921.	0.5	25
66	MORPHOLOGICAL FLEXIBILITY OF COCCONEIS PLACENTULA (BACILLARIOPHYCEAE) NANOSTRUCTURE TO CHANGING SALINITY LEVELS1. <i>Journal of Phycology</i> , 2010, 46, 715-719.	1.0	25
67	Seasonal changes in phytoplankton on the north-eastern shelf of Kangaroo Island (South Australia) in 2012 and 2013. <i>Oceanologia</i> , 2015, 57, 251-262.	1.1	25
68	Cell Configurations and Electrode Materials for Nonaqueous Sodium-Ion Capacitors: The Current State of the Field. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800006.	2.7	25
69	Electrochemical fabrication of nanoporous gold. <i>Journal of Materials Chemistry</i> , 2012, 22, 2952-2957.	6.7	24
70	On-chip capacitively coupled contactless conductivity detection using α -injected-metal electrodes. <i>Analyst</i> , 2013, 138, 4275.	1.7	24
71	Planar silver nanowire, carbon nanotube and PEDOT:PSS nanocomposite transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 025002.	2.8	24
72	Protected DNA strand displacement for enhanced single nucleotide discrimination in double-stranded DNA. <i>Scientific Reports</i> , 2015, 5, 8721.	1.6	24

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73	Acoustotemplating: rapid synthesis of freestanding quasi-2D MOF/graphene oxide heterostructures for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7058-7072.	5.2	24
74	Environmental variability and phytoplankton dynamics in a South Australian inverse estuary. <i>Continental Shelf Research</i> , 2014, 91, 134-144.	0.9	22
75	Functionalization of vertically aligned carbon nanotubes with polystyrene via surface initiated reversible addition fragmentation chain transfer polymerization. <i>Applied Surface Science</i> , 2012, 258, 2836-2843.	3.1	21
76	Structural Determination of Thermally and Hydrazine Treated Graphene Oxide Using Electron Spectroscopic Analysis. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21312-21319.	1.5	20
77	Cross-linking of dehydrofluorinated PVDF membranes with thiol modified polyhedral oligomeric silsesquioxane (POSS) and pure water flux analysis. <i>Journal of Membrane Science</i> , 2019, 581, 362-372.	4.1	20
78	MACROMOLECULES IN THE BAYER PROCESS. <i>Reviews in Chemical Engineering</i> , 2003, 19, .	2.3	19
79	Electroless plated gold as a support for carbon nanotube electrodes. <i>Electrochimica Acta</i> , 2009, 54, 3191-3198.	2.6	19
80	Carbon nanotubes initiate the explosion of porous silicon. <i>Materials Letters</i> , 2010, 64, 2517-2519.	1.3	19
81	Opportunities and Challenges in DNA-Hybrid Nanomaterials. <i>ACS Nano</i> , 2019, 13, 8512-8516.	7.3	19
82	Water-soluble Carbon Nanotube Chain-transfer Agents (CNT-CTAs). <i>Chemistry Letters</i> , 2007, 36, 1172-1173.	0.7	17
83	Solution chemistry approach to fabricate vertically aligned carbon nanotubes on gold wires: towards vertically integrated electronics. <i>Nanotechnology</i> , 2008, 19, 445301.	1.3	17
84	Comparison of hydroxyl radical yields between photo- and electro-catalyzed water treatments. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1649-1654.	2.7	17
85	Direct detection of histamine in fish flesh using microchip electrophoresis with capacitively coupled contactless conductivity detection. <i>Analytical Methods</i> , 2015, 7, 1802-1808.	1.3	17
86	Pathway to high throughput, low cost indium-free transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13892-13899.	5.2	15
87	A versatile approach to grafting biofouling resistant coatings from polymeric membrane surfaces using an adhesive macroinitiator. <i>RSC Advances</i> , 2015, 5, 63017-63024.	1.7	15
88	Solution processed graphene-silicon Schottky junction solar cells. <i>RSC Advances</i> , 2015, 5, 38851-38858.	1.7	15
89	Biocompatible anti-microbial coatings for urinary catheters. <i>RSC Advances</i> , 2016, 6, 53303-53309.	1.7	15
90	Bayer Poisons: Degradation of Angiosperm and Gymnosperm Water-Soluble Extracts in Sodium Hydroxide at 145 °C. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2842-2852.	1.8	14

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91	Recent developments in nucleic acid identification using solid-phase enzymatic assays. <i>Mikrochimica Acta</i> , 2014, 181, 1633-1646.	2.5	14
92	Bayer Poisons: Degradation of Klason Lignin in Sodium Hydroxide at 145 °C. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6493-6502.	1.8	13
93	Second-order overtone and combination modes in the LOLA region of acid treated double-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2006, 125, 121103.	1.2	13
94	Fabrication and electrochemical behavior of vertically-aligned carbon nanotube electrodes covalently attached to p-type silicon via a thioester linkage. <i>Materials Letters</i> , 2009, 63, 757-760.	1.3	13
95	Chemically Grafted Carbon Nanotube Surface Coverage Gradients. <i>Langmuir</i> , 2010, 26, 18468-18475.	1.6	13
96	High-performance capillary electrophoretic separation of double-stranded oligonucleotides using a poly(ethylpyrrolidine methacrylate)-methyl methacrylate-coated capillary. <i>Electrophoresis</i> , 2012, 33, 1205-1214.	1.3	13
97	²⁹ Si{1H} CP-MAS NMR comparison and ATR-FTIR spectroscopic analysis of the diatoms <i>Chaetoceros muelleri</i> and <i>Thalassiosira pseudonana</i> grown at different salinities. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3359-3365.	1.9	13
98	Approaches for the detection of harmful algal blooms using oligonucleotide interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 95-116.	1.9	13
99	Comparison of partial replacement of fishmeal with soybean meal and EnzoMeal on growth performance of Asian seabass <i>Lates calcarifer</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 216, 29-37.	1.3	13
100	Increased solubility of plant core pulp cellulose for regenerated hydrogels through electron beam irradiation. <i>Cellulose</i> , 2018, 25, 4993-5006.	2.4	12
101	Poly(dimethylsiloxane) Surface Modification by Plasma Treatment for DNA Hybridization Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7266-7270.	0.9	11
102	Electrochemically prepared nanoporous gold as a SERS substrate with high enhancement. <i>RSC Advances</i> , 2014, 4, 19502-19506.	1.7	11
103	Electron Spin Resonance and Raman Scattering Spectroscopy of Multi-Walled Carbon Nanotubes: A Function of Acid Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 135-140.	0.9	11
104	Biofunctionality with a twist: the importance of molecular organisation, handedness and configuration in synthetic biomaterial design. <i>Chemical Society Reviews</i> , 2022, 51, 28-42.	18.7	11
105	Valence band structure of PDMS surface and a blend with MWCNTs: A UPS and MIES study of an insulating polymer. <i>Applied Surface Science</i> , 2015, 353, 693-699.	3.1	10
106	High purity synthesis of a polyhedral oligomeric silsesquioxane modified with an antibacterial. <i>Inorganic Chemistry Communication</i> , 2015, 60, 41-43.	1.8	10
107	Adsorption and Desorption of Single-Stranded DNA from Single-Walled Carbon Nanotubes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1625-1634.	1.7	10
108	Direct ink writing of dehydrofluorinated Poly(Vinylidene Difluoride) for microfiltration membrane fabrication. <i>Journal of Membrane Science</i> , 2021, 632, 119347.	4.1	10

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109	Raman scattering analysis of changes induced by chemical treatment of double-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 412, 449-453.	1.2	9
110	Electrochemistry of polystyrene intercalated vertically aligned single- and double-walled carbon nanotubes on gold electrodes. <i>Electrochemistry Communications</i> , 2011, 13, 1190-1193.	2.3	9
111	Nanosized Pt-Co Catalysts for the Preferential CO Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3567-3571.	0.9	8
112	Simple surface modification of poly(dimethylsiloxane) for DNA hybridization. <i>Biomicrofluidics</i> , 2010, 4, 046504.	1.2	7
113	Ag ₂ SO ₄ decorated with fluorescent Ag _n nanoclusters. <i>Applied Surface Science</i> , 2013, 270, 77-81.	3.1	7
114	Active Learning in Bayesian Neural Networks for Bandgap Predictions of Novel Van der Waals Heterostructures. <i>Advanced Intelligent Systems</i> , 0, , 2100080.	3.3	7
115	Phase transitions in octanethiol-capped Ag nanocluster microfilm assemblies. <i>Thermochimica Acta</i> , 2005, 426, 207-212.	1.2	6
116	The impact of diatoms on the biofouling of seawater reverse osmosis membranes in a model cross-flow system. <i>Desalination</i> , 2016, 392, 8-13.	4.0	6
117	Synthetic stimuli-responsive "smart" fibers. <i>Current Opinion in Biotechnology</i> , 2016, 39, 113-119.	3.3	6
118	Replacement of fishmeal with commercial soybean meal and EnzoMeal in juvenile barramundi <i>Lates calcarifer</i> . <i>Aquaculture Research</i> , 2018, 49, 3258-3269.	0.9	6
119	Morphological changes of sintered polydopamine coatings. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015016.	0.9	6
120	Survival of the fittest: Prokaryotic communities within a SWRO desalination plant. <i>Desalination</i> , 2021, 514, 115152.	4.0	6
121	Enhanced rectification through polymer-gold nanoparticle interaction. <i>Synthetic Metals</i> , 2005, 155, 39-44.	2.1	5
122	High-order graphene oxide nanoarchitectures. <i>Nanoscale</i> , 2011, 3, 3076.	2.8	5
123	DNA capture-probe based separation of double-stranded polymerase chain reaction amplification products in poly(dimethylsiloxane) microfluidic channels. <i>Biomicrofluidics</i> , 2012, 6, 026503.	1.2	5
124	Evaluation of transparent exopolymer particles and microbial communities found post-UV light, multimedia and cartridge filtration pre-treatment in a SWRO plant. <i>Desalination and Water Treatment</i> , 2015, 56, 1427-1439.	1.0	5
125	Evaluation of a lanthanide nanoparticle-based contrast agent for microcomputed tomography of porous channels in subchondral bone. <i>Journal of Orthopaedic Research</i> , 2023, 41, 447-458.	1.2	5
126	Chemistry of Sodium Lactate Formation under Simulated Alumina Refinery Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3185-3189.	1.8	4

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127	Formation of an α -cyclodextrin/16-mercaptohexadecanoic acid complex and its deposition on gold surfaces. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 267-272.	1.6	4
128	Sequence selective capture, release and analysis of DNA using a magnetic microbead-assisted toehold-mediated DNA strand displacement reaction. <i>Analyst</i> , The, 2014, 139, 3548-3551.	1.7	4
129	Poly(3,4-ethylenedioxythiophene):polystyrene sulfonate-free silver nanowire/single walled carbon nanotube transparent electrodes using graphene oxide. <i>Thin Solid Films</i> , 2016, 616, 515-520.	0.8	4
130	Single nucleotide polymorphism discrimination with and without an ethidium bromide intercalator. <i>Analytica Chimica Acta</i> , 2017, 954, 121-128.	2.6	4
131	Selective adsorption of globulin on nanofiber meshes for immunoadsorption therapy. <i>New Journal of Chemistry</i> , 2018, 42, 2916-2922.	1.4	4
132	Diatoms response to salinity changes: investigations using single pulse and cross polarisation magic angle spinning ^{29}Si NMR spectra. <i>Analyst</i> , The, 2018, 143, 4930-4935.	1.7	4
133	Oxacillin Coupled G-Quadruplexes as a Novel Biofilm-Specific Antibiotic for <i>Staphylococcus aureus</i> Biofilms. <i>ACS Applied Bio Materials</i> , 2019, 2, 3002-3008.	2.3	4
134	Near-Zero-Thickness Self-Assembled Molecular Layers for Future Device Structures: Interfacial Adhesion and Diffusion Barrier Properties. <i>Materials Science Forum</i> , 2003, 426-432, 3487-3492.	0.3	3
135	Surface modification of poly(dimethylsiloxane) (PDMS) microchannels with DNA capture-probes for potential use in microfluidic DNA analysis systems. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
136	Bacterial production of transparent exopolymer particles during static and laboratory-based cross-flow experiments. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 376-382.	1.2	3
137	Spatially isolated redox processes enabled by ambipolar charge transport in multi-walled carbon nanotube mats. <i>Materials Horizons</i> , 2021, 8, 1304-1313.	6.4	3
138	One-step surface modification of poly(dimethylsiloxane) by undecylenic acid. , 2008, , .		2
139	Analysis of raw and pre-treated seawater for potential biofouling precursors. <i>Desalination</i> , 2015, 373, 71-78.	4.0	2
140	Optimisation of DNA hybridisation and toehold strand displacement from magnetic bead surfaces. <i>International Journal of Nanotechnology</i> , 2017, 14, 75.	0.1	2
141	Hi-fidelity discrimination of isomiRs using G-quadruplex gatekeepers. <i>PLoS ONE</i> , 2017, 12, e0188163.	1.1	2
142	Preparation and characterization of multiwalled carbon nanotube (MWCNT)/polymer nanostructured materials. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
143	Preparation and characterisation of vertically aligned single-walled carbon nanotube arrays on porous silicon. , 2008, , .		1
144	Water transport through nanoporous materials: Porous silicon and single walled carbon nanotubes. , 2010, , .		1

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145	Rapid separation of synthetic oligonucleotides on polymer modified capillary surfaces using short-end injection capillary electrophoresis in free solution. <i>Analyst</i> , The, 2013, 138, 6954.	1.7	1
146	Microfluidic devices using thiol-ene polymers. , 2013, , .		1
147	Graphene masks as passivation layers in the electrochemical etching of silicon. <i>Journal of Materials Science</i> , 2014, 49, 7819-7823.	1.7	1
148	A DNA Circuit for IsomiR Detection. <i>ChemBioChem</i> , 2016, 17, 2172-2178.	1.3	1
149	DNA Nanostructures. , 2019, , 1-26.		1
150	Non-templated manufacturing of patterned fluoropolymer membranes via immersion precipitation printing. <i>Additive Manufacturing</i> , 2022, 58, 103017.	1.7	1
151	Phase Transitions in Octanethiol-Capped Ag, Au and CdS Nanocluster Assemblies. <i>Materials Research Society Symposia Proceedings</i> , 2002, 739, 641.	0.1	0
152	HF/Microwave Impedance of Carbon Nanotube Films. , 2006, , .		0
153	Single walled carbon nanotube array as working electrode for dye solar cells. , 2010, , .		0
154	Effect of Electrolyte and Anode on Dissolved Oxygen Yield in Electrocatalytic Processing of Wastewater. <i>Environmental Engineering Science</i> , 2012, 29, 654-659.	0.8	0
155	Amelogenin locus typing using toehold-assisted fluorescent DNA melting analysis. <i>Forensic Science International: Genetics Supplement Series</i> , 2013, 4, e119-e120.	0.1	0
156	Optimization of physical parameters of 'injected' metal electrodes for capacitively coupled contactless conductivity detection on poly(dimethylsiloxane) microchips. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
157	Detection of harmful algal bloom causing microalgae using covalently immobilised capture oligonucleotide probes on glass and poly(dimethylsiloxane) surfaces. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
158	High-throughput physicochemical analysis of thermoresponsive polymers. <i>Polymer Chemistry</i> , 2018, 9, 1934-1937.	1.9	0
159	Synthesis of a deoxyguanosine monophosphate rich propyl methacrylate oligomer. <i>New Journal of Chemistry</i> , 2018, 42, 8815-8822.	1.4	0