

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	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
2	Microplastic contamination of an unconfined groundwater aquifer in Victoria, Australia. <i>Science of the Total Environment</i> , 2022, 802, 149727.	3.9	100
3	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
4	A bright future for engineering piezoelectric 2D crystals. <i>Chemical Society Reviews</i> , 2022, 51, 650-671.	18.7	43
5	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
6	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
7	Non-templated manufacturing of patterned fluoropolymer membranes via immersion precipitation printing. <i>Additive Manufacturing</i> , 2022, 58, 103017.	1.7	1
8	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
9	3D-Printed Triboelectric Nanogenerators: State of the Art, Applications, and Challenges. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000045.	2.8	32
10	Poly(dimethylsiloxane) for Triboelectricity: From Mechanisms to Practical Strategies. <i>Chemistry of Materials</i> , 2021, 33, 4304-4327.	3.2	40
11	Interfacial piezoelectric polarization locking in printable Ti ₃ C ₂ T _x MXene-fluoropolymer composites. <i>Nature Communications</i> , 2021, 12, 3171.	5.8	57
12	Direct ink writing of dehydrofluorinated Poly(Vinylidene Difluoride) for microfiltration membrane fabrication. <i>Journal of Membrane Science</i> , 2021, 632, 119347.	4.1	10
13	Probing Contact Electrification: A Cohesively Sticky Problem. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44935-44947.	4.0	31
14	Survival of the fittest: Prokaryotic communities within a SWRO desalination plant. <i>Desalination</i> , 2021, 514, 115152.	4.0	6
15	Printed recyclable and self-poled polymer piezoelectric generators through single-walled carbon nanotube templating. <i>Energy and Environmental Science</i> , 2020, 13, 868-883.	15.6	60
16	Advances in graphene-based supercapacitor electrodes. <i>Energy Reports</i> , 2020, 6, 2768-2784.	2.5	100
17	Grapevine waste in sustainable hybrid particleboard production. <i>Waste Management</i> , 2020, 118, 501-509.	3.7	30
18	Personalized, Mechanically Strong, and Biodegradable Coronary Artery Stents via Melt Electrowriting. <i>ACS Macro Letters</i> , 2020, 9, 1732-1739.	2.3	27

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19	Surface treatment of Basalt fiber for use in automotive composites. <i>Materials Today Chemistry</i> , 2020, 17, 100334.	1.7	63
20	Measuring Piezoelectric Output—Fact or Friction?. <i>Advanced Materials</i> , 2020, 32, e2002979.	11.1	58
21	DNA Nanostructures. , 2019, , 1-26.		1
22	Opportunities and Challenges in DNA-Hybrid Nanomaterials. <i>ACS Nano</i> , 2019, 13, 8512-8516.	7.3	19
23	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
24	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
25	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
26	Morphological changes of sintered polydopamine coatings. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015016.	0.9	6
27	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
28	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
29	Antimony-carbon nanocomposites for potassium-ion batteries: Insight into the failure mechanism in electrodes and possible avenues to improve cyclic stability. <i>Journal of Power Sources</i> , 2019, 413, 476-484.	4.0	49
30	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
31	High-throughput physicochemical analysis of thermoresponsive polymers. <i>Polymer Chemistry</i> , 2018, 9, 1934-1937.	1.9	0
32	Selective adsorption of globulin on nanofiber meshes for immunoadsorption therapy. <i>New Journal of Chemistry</i> , 2018, 42, 2916-2922.	1.4	4
33	Polysulfides made from re-purposed waste are sustainable materials for removing iron from water. <i>RSC Advances</i> , 2018, 8, 1232-1236.	1.7	74
34	Synthesis of a deoxyguanosine monophosphate rich propyl methacrylate oligomer. <i>New Journal of Chemistry</i> , 2018, 42, 8815-8822.	1.4	0
35	Diatoms response to salinity changes: investigations using single pulse and cross polarisation magic angle spinning ²⁹ Si NMR spectra. <i>Analyst, The</i> , 2018, 143, 4930-4935.	1.7	4
36	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

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37	Increased solubility of plant core pulp cellulose for regenerated hydrogels through electron beam irradiation. <i>Cellulose</i> , 2018, 25, 4993-5006.	2.4	12
38	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
39	Single nucleotide polymorphism discrimination with and without an ethidium bromide intercalator. <i>Analytica Chimica Acta</i> , 2017, 954, 121-128.	2.6	4
40	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
41	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
42	Optimisation of DNA hybridisation and toehold strand displacement from magnetic bead surfaces. <i>International Journal of Nanotechnology</i> , 2017, 14, 75.	0.1	2
43	Highly porous regenerated cellulose hydrogel and aerogel prepared from hydrothermal synthesized cellulose carbamate. <i>PLoS ONE</i> , 2017, 12, e0173743.	1.1	36
44	Hi-fidelity discrimination of isomiRs using G-quadruplex gatekeepers. <i>PLoS ONE</i> , 2017, 12, e0188163.	1.1	2
45	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
46	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
47	A DNA Circuit for IsomiR Detection. <i>ChemBioChem</i> , 2016, 17, 2172-2178.	1.3	1
48	Biocompatible anti-microbial coatings for urinary catheters. <i>RSC Advances</i> , 2016, 6, 53303-53309.	1.7	15
49	Optimization and Doping of Reduced Graphene Oxide-Silicon Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15648-15656.	1.5	29
50	Synthetic stimuli-responsive "smart" fibers. <i>Current Opinion in Biotechnology</i> , 2016, 39, 113-119.	3.3	6
51	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
52	Pathway to high throughput, low cost indium-free transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13892-13899.	5.2	15
53	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
54	Non-toxic luminescent carbon dot/poly(dimethylacrylamide) nanocomposite reagent for latent fingerprint detection synthesized via surface initiated reversible addition fragmentation chain transfer polymerization. <i>Polymer International</i> , 2015, 64, 884-891.	1.6	28

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55	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
56	Analysis of raw and pre-treated seawater for potential biofouling precursors. <i>Desalination</i> , 2015, 373, 71-78.	4.0	2
57	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
58	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
59	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
60	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
61	Solution processed graphene-silicon Schottky junction solar cells. <i>RSC Advances</i> , 2015, 5, 38851-38858.	1.7	15
62	Protected DNA strand displacement for enhanced single nucleotide discrimination in double-stranded DNA. <i>Scientific Reports</i> , 2015, 5, 8721.	1.6	24
63	High purity synthesis of a polyhedral oligomeric silsesquioxane modified with an antibacterial. <i>Inorganic Chemistry Communication</i> , 2015, 60, 41-43.	1.8	10
64	Approaches for the detection of harmful algal blooms using oligonucleotide interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 95-116.	1.9	13
65	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
66	Recent developments in nucleic acid identification using solid-phase enzymatic assays. <i>Mikrochimica Acta</i> , 2014, 181, 1633-1646.	2.5	14
67	Electrochemically prepared nanoporous gold as a SERS substrate with high enhancement. <i>RSC Advances</i> , 2014, 4, 19502-19506.	1.7	11
68	Sequence selective capture, release and analysis of DNA using a magnetic microbead-assisted toehold-mediated DNA strand displacement reaction. <i>Analyst</i> , 2014, 139, 3548-3551.	1.7	4
69	Surface initiated polydopamine grafted poly([2-(methacryloyloxy)ethyl]trimethylammonium chloride) coatings to produce reverse osmosis desalination membranes with anti-biofouling properties. <i>Journal of Membrane Science</i> , 2014, 468, 216-223.	4.1	53
70	Graphene masks as passivation layers in the electrochemical etching of silicon. <i>Journal of Materials Science</i> , 2014, 49, 7819-7823.	1.7	1
71	Environmental variability and phytoplankton dynamics in a South Australian inverse estuary. <i>Continental Shelf Research</i> , 2014, 91, 134-144.	0.9	22
72	Copper removal using bio-inspired polydopamine coated natural zeolites. <i>Journal of Hazardous Materials</i> , 2014, 273, 174-182.	6.5	160

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73	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
74	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
75	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
76	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
77	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
78	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
79	On-chip capacitively coupled contactless conductivity detection using injected metal electrodes. <i>Analyst</i> , The, 2013, 138, 4275.	1.7	24
80	Ag ₂ SO ₄ decorated with fluorescent Ag _n nanoclusters. <i>Applied Surface Science</i> , 2013, 270, 77-81.	3.1	7
81	Beta-cyclodextrin decorated nanostructured SERS substrates facilitate selective detection of endocrine disruptor chemicals. <i>Biosensors and Bioelectronics</i> , 2013, 42, 632-639.	5.3	43
82	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
83	Single-Walled Carbon Nanotube/Polyaniline/n-Silicon Solar Cells: Fabrication, Characterization, and Performance Measurements. <i>ChemSusChem</i> , 2013, 6, 320-327.	3.6	37
84	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
85	Toehold-Mediated Nonenzymatic DNA Strand Displacement As a Platform for DNA Genotyping. <i>Journal of the American Chemical Society</i> , 2013, 135, 5612-5619.	6.6	64
86	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
87	Highly conductive interwoven carbon nanotube and silver nanowire transparent electrodes. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 035004.	2.8	40
88	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
89	Microfluidic devices using thiol-ene polymers. , 2013, , .		1
90	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

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91	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
92	Polymerization-Amplified Optical DNA Detection on Porous Silicon Templates. <i>ACS Macro Letters</i> , 2012, 1, 919-921.	2.3	26
93	Aptamer sensor for cocaine using minor groove binder based energy transfer. <i>Analytica Chimica Acta</i> , 2012, 719, 76-81.	2.6	36
94	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
95	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
96	Electrochemical fabrication of nanoporous gold. <i>Journal of Materials Chemistry</i> , 2012, 22, 2952-2957.	6.7	24
97	High-performance capillary electrophoretic separation of double-stranded oligonucleotides using a poly(ethylpyrrolidine methacrylate-co-methyl methacrylate)-coated capillary. <i>Electrophoresis</i> , 2012, 33, 1205-1214.	1.3	13
98	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
99	Electrochemical synthesis of silver oxide nanowires, microplatelets and application as SERS substrate precursors. <i>Electrochimica Acta</i> , 2012, 59, 346-353.	2.6	27
100	Surface modification for PDMS-based microfluidic devices. <i>Electrophoresis</i> , 2012, 33, 89-104.	1.3	263
101	High-order graphene oxide nanoarchitectures. <i>Nanoscale</i> , 2011, 3, 3076.	2.8	5
102	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
103	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
104	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
105	Comparison of double-walled with single-walled carbon nanotube electrodes by electrochemistry. <i>Carbon</i> , 2011, 49, 2639-2647.	5.4	27
106	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
107	Nanotechnology as a New Tool for Fingerprint Detection: A Review. <i>Current Nanoscience</i> , 2011, 7, 153-159.	0.7	33
108	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

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109	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
110	Carbon nanotubes initiate the explosion of porous silicon. <i>Materials Letters</i> , 2010, 64, 2517-2519.	1.3	19
111	Recent developments in PDMS surface modification for microfluidic devices. <i>Electrophoresis</i> , 2010, 31, 2-16.	1.3	692
112	Carbon Nanotubes Anchored to Silicon for Device Fabrication. <i>Advanced Materials</i> , 2010, 22, 557-571.	11.1	27
113	Copper cation transport and scaling of ionic exchange membranes using electrodialysis under electroconvection conditions. <i>Journal of Membrane Science</i> , 2010, 361, 56-62.	4.1	34
114	MORPHOLOGICAL FLEXIBILITY OF COCCONEIS PLACENTULA (BACILLARIOPHYCEAE) NANOSTRUCTURE TO CHANGING SALINITY LEVELS1. <i>Journal of Phycology</i> , 2010, 46, 715-719.	1.0	25
115	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
116	Plasma-Enhanced Synthesis of Bioactive Polymeric Coatings from Monoterpene Alcohols: A Combined Experimental and Theoretical Study. <i>Biomacromolecules</i> , 2010, 11, 2016-2026.	2.6	63
117	Chemically Grafted Carbon Nanotube Surface Coverage Gradients. <i>Langmuir</i> , 2010, 26, 18468-18475.	1.6	13
118	Simple surface modification of poly(dimethylsiloxane) for DNA hybridization. <i>Biomicrofluidics</i> , 2010, 4, 046504.	1.2	7
119	Fabrication of self-supporting porous silicon membranes and tuning transport properties by surface functionalization. <i>Nanoscale</i> , 2010, 2, 1756.	2.8	51
120	Single walled carbon nanotube array as working electrode for dye solar cells. , 2010, , .		0
121	Water transport through nanoporous materials: Porous silicon and single walled carbon nanotubes. , 2010, , .		1
122	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
123	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
124	Formation of an β -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
125	Electroless plated gold as a support for carbon nanotube electrodes. <i>Electrochimica Acta</i> , 2009, 54, 3191-3198.	2.6	19
126	The electrochemical phenomena and kinetics of EDTA ⁴⁻ copper wastewater reclamation by electrodeposition and ultrasound. <i>Separation and Purification Technology</i> , 2009, 68, 216-221.	3.9	37

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127	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
128	Cadmium sulfide quantum dot/chitosan nanocomposites for latent fingerprint detection. <i>Forensic Science International</i> , 2009, 187, 97-102.	1.3	75
129	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
130	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
131	Preparation and characterization of multiwalled carbon nanotube (MWCNT)/polymer nanostructured materials. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
132	One-step surface modification of poly(dimethylsiloxane) by undecylenic acid. , 2008, , .		2
133	Preparation and characterisation of vertically aligned single-walled carbon nanotube arrays on porous silicon. , 2008, , .		1
134	Water-soluble Carbon Nanotube Chain-transfer Agents (CNT-CTAs). <i>Chemistry Letters</i> , 2007, 36, 1172-1173.	0.7	17
135	Microfabrication of PDMS microchannels using SU-8/PMMA moldings and their sealing to polystyrene substrates. <i>Smart Materials and Structures</i> , 2007, 16, 367-371.	1.8	43
136	HF/Microwave Impedance of Carbon Nanotube Films. , 2006, , .		0
137	Dynamic electrical properties of polymer-carbon nanotube composites: Enhancement through covalent bonding. <i>Journal of Materials Research</i> , 2006, 21, 1071-1077.	1.2	53
138	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
139	Nanosized Pt-Co Catalysts for the Preferential CO Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3567-3571.	0.9	8
140	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
141	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
142	Phase transitions in octanethiol-capped Ag nanocluster microfilm assemblies. <i>Thermochimica Acta</i> , 2005, 426, 207-212.	1.2	6
143	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
144	Enhanced rectification through polymer-gold nanoparticle interaction. <i>Synthetic Metals</i> , 2005, 155, 39-44.	2.1	5

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145	Functionalization of carbon nanotubes using phenosafranin. <i>Journal of Chemical Physics</i> , 2004, 120, 4886-4889.	1.2	40
146	Templateless Room-Temperature Assembly of Nanowire Networks from Nanoparticles. <i>Langmuir</i> , 2004, 20, 5583-5587.	1.6	98
147	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
148	Hydrophobic Anchoring of Monolayer-Protected Gold Nanoclusters to Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 279-282.	4.5	211
149	Chemistry of Sodium Lactate Formation under Simulated Alumina Refinery Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3185-3189.	1.8	4
150	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
151	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
152	MACROMOLECULES IN THE BAYER PROCESS. <i>Reviews in Chemical Engineering</i> , 2003, 19, .	2.3	19
153	Polyelectrolyte nanolayers as diffusion barriers for Cu metallization. <i>Applied Physics Letters</i> , 2003, 83, 3302-3304.	1.5	30
154	Phase Transitions in Octanethiol-Capped Ag, Au and CdS Nanocluster Assemblies. <i>Materials Research Society Symposia Proceedings</i> , 2002, 739, 641.	0.1	0
155	Bayer Poisons: Degradation of Klason Lignin in Sodium Hydroxide at 145 Å°C. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6493-6502.	1.8	13
156	Carbon Exchange in Hot Alkaline Degradation of Glucose. <i>Journal of Organic Chemistry</i> , 2002, 67, 8469-8474.	1.7	49
157	Bayer Poisons: Degradation of Angiosperm and Gymnosperm Water-Soluble Extracts in Sodium Hydroxide at 145 Å°C. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 2842-2852.	1.8	14
158	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
159	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