

Somenath Mitra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225
papers

7,043
citations

45
h-index

74
g-index

230
ext. papers

7,689
ext. citations

5.7
avg, IF

6.39
L-index

#	Paper	IF	Citations
225	Development of nano structured graphene oxide incorporated dexamethasone with enhanced dissolution. <i>Colloids and Interface Science Communications</i> , 2022 , 47, 100599	5.4	1
224	Synthesis of calcium and magnesium periodates for the development of high oxidation state battery cathodes. <i>Materials Chemistry and Physics</i> , 2022 , 278, 125671	4.4	
223	Carbon nanotube enhanced membrane filtration for trace level dewatering of hydrocarbons. <i>Separation and Purification Technology</i> , 2022 , 292, 121047	8.3	0
222	Enhanced aqueous dissolution of hydrophobic apixaban via direct incorporation of hydrophilic nanographene oxide.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 216, 112512	6	1
221	Development of high-capacity flexible sodium manganese periodate batteries with dual polymer electrolytes. <i>Materials Today Communications</i> , 2021 , 26, 101928	2.5	1
220	Hydrophilic and Functionalized Nanographene Oxide Incorporated Faster Dissolving Megestrol Acetate. <i>Molecules</i> , 2021 , 26,	4.8	1
219	Nano Carbon Doped Polyacrylamide Gel Electrolytes for High Performance Supercapacitors. <i>Molecules</i> , 2021 , 26,	4.8	3
218	Functionalized carbon nanotube doped gel electrolytes with enhanced mechanical and electrical properties for battery applications. <i>Materials Chemistry and Physics</i> , 2021 , 264, 124448	4.4	4
217	Nanocarbon immobilized membranes for generating bacteria and endotoxin free water via membrane distillation. <i>Separation and Purification Technology</i> , 2021 , 259, 118133	8.3	7
216	Computational investigation of enhanced properties in functionalized carbon nanotube doped polyvinyl alcohol gel electrolyte systems. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 21286-21294	3.6	0
215	Synergistic effect of air sparging in direct contact membrane distillation to control membrane fouling and enhancing flux. <i>Separation and Purification Technology</i> , 2021 , 272, 118681	8.3	6
214	Development of iodate-based high oxidation state cathode for aqueous battery system. <i>Materials Chemistry and Physics</i> , 2021 , 273, 125070	4.4	1
213	Antiviral properties of select carbon nanostructures and their functionalized analogs. <i>Materials Today Communications</i> , 2021 , 29, 102743	2.5	3
212	Enrichment of 1, 4-dioxane from water by sweep gas membrane distillation on nano-carbon immobilized membranes. <i>Separation and Purification Technology</i> , 2021 , 276, 119360	8.3	2
211	Low temperature recovery of acetoneButanolEthanol (ABE) fermentation products via microwave induced membrane distillation on carbon nanotube immobilized membranes. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3487-3499	5.8	10
210	Controlled synthesis of reduced graphene oxide-carbon nanotube hybrids and their aqueous behavior. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	7
209	Dry Reforming of Methane over a Ruthenium/Carbon Nanotube Catalyst. <i>ChemEngineering</i> , 2020 , 4, 16	2.6	3

208	Nanocarbon-Immobilized Membranes for Separation of Tetrahydrofuran from Water via Membrane Distillation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6344-6353	5.6	9
207	Raman imaging of membrane fouling. <i>Separation and Purification Technology</i> , 2020 , 242, 116763	8.3	7
206	Development of nickel-based cable batteries with carbon nanotube and polytetrafluoroethylene enhanced flexible electrodes. <i>International Journal of Energy Research</i> , 2020 , 44, 4008-4014	4.5	2
205	Direct incorporation of nano graphene oxide (nGO) into hydrophobic drug crystals for enhanced aqueous dissolution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 189, 110827	6	13
204	Removal and Recovery of Methyl Tertiary Butyl Ether (MTBE) from Water Using Carbon Nanotube and Graphene Oxide Immobilized Membranes. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
203	Development of printable, flexible nickel-iron batteries based on composite electrodes. <i>Energy Storage</i> , 2020 , 2, e105	2.8	3
202	Antisolvent precipitative immobilization of micro and nanostructured griseofulvin on laboratory cultured diatom frustules for enhanced aqueous dissolution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111308	6	3
201	Enhanced Performance of Carbon Nanotube Immobilized Membrane for the Treatment of High Salinity Produced Water via Direct Contact Membrane Distillation. <i>Membranes</i> , 2020 , 10,	3.8	2
200	Core-shell Electrospun Fibers with an Improved Open Pore Structure for Size-Controlled Delivery of Nanoparticles. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 4004-4015	4.3	8
199	Functionalized carbon nanotube immobilized membrane for low temperature ammonia removal via membrane distillation. <i>Separation and Purification Technology</i> , 2020 , 235, 116188	8.3	17
198	Improved Electrophoretic Deposition of Vertical Single Wall Carbon Nanotubes with Nanoscopic Electrostatic Lenses. <i>Micromachines</i> , 2020 , 11,	3.3	4
197	Microwave Induced Membrane Distillation for Enhanced Ethanol/Water Separation on a Carbon Nanotube Immobilized Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18313-18319	3.9	12
196	Data related to the synthesis, characterization and electrochemical performance of high capacity sodium manganese periodate electrodes. <i>Data in Brief</i> , 2019 , 25, 104136	1.2	2
195	Controlling the Dissolution Rate of Hydrophobic Drugs by Incorporating Carbon Nanotubes with Different Levels of Carboxylation. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1475	2.6	2
194	Lung deposition patterns of MWCNT vary with degree of carboxylation. <i>Nanotoxicology</i> , 2019 , 13, 143-159	3.5	5
193	Nanostructured Diatom-ZrO composite as a selective and highly sensitive enzyme free electrochemical sensor for detection of methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2019 , 288, 611-617	8.5	27
192	Reduction of scaling in microwave induced membrane distillation on a carbon nanotube immobilized membrane. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1012-1021	4.2	11
191	High capacity aqueous periodate batteries featuring a nine-electron transfer process. <i>Energy Storage Materials</i> , 2019 , 19, 206-211	19.4	11

190	Scaling Reduction in Carbon Nanotube-Immobilized Membrane during Membrane Distillation. <i>Water (Switzerland)</i> , 2019 , 11, 2588	3	8
189	Communication Electrochemical Impedance Signature of a Non-Planar, Interdigitated, Flow-Through, Porous, Carbon-Based Microelectrode. <i>Journal of the Electrochemical Society</i> , 2019 , 166, B1669-B1672	3.9	5
188	Fabrication of supercapacitors and flexible electrodes using biosilica from cultured diatoms. <i>Materials Today Energy</i> , 2019 , 11, 166-173	7	8
187	Incorporation of functionalized carbon nanotubes into hydrophobic drug crystals for enhancing aqueous dissolution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 386-391	6	14
186	Novel diatom-FeOx composite as highly active catalyst in photodegradation of Rhodamine-6G. <i>Nanotechnology Reviews</i> , 2018 , 7, 247-255	6.3	9
185	Dry reforming of methane over palladium-platinum on carbon nanotube catalyst. <i>Chemical Engineering Communications</i> , 2018 , 205, 888-896	2.2	8
184	Stepwise Reduction of Graphene Oxide (GO) and Its Effects on Chemical and Colloidal Properties. <i>Scientific Reports</i> , 2018 , 8, 10083	4.9	68
183	The Effects of Varying Degree of MWCNT Carboxylation on Bioactivity in Various In Vivo and In Vitro Exposure Models. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	18
182	Development of High-Capacity Periodate Battery with Three-Dimensional-Printed Casing Accommodating Replaceable Flexible Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30257-30264	9.5	13
181	The Effect of Functional Group Polarity in Palladium Immobilized Multiwalled Carbon Nanotube Catalysis: Application in Carbon-Carbon Coupling Reaction. <i>Applied Sciences (Switzerland)</i> , 2018 , 8,	2.6	3
180	Carbon nanotube immobilized membrane with controlled nanotube incorporation via phase inversion polymerization for membrane distillation based desalination. <i>Separation and Purification Technology</i> , 2018 , 194, 249-255	8.3	38
179	Synthesis of Carbon Nanotube Incorporated Metal Oxides for the Fabrication of Printable, Flexible Nickel-Zinc Batteries. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701036	4.6	13
178	Microwave-Induced Desalination via Direct Contact Membrane Distillation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 626-632	8.3	31
177	Effect of Carbon Nanotube-Metal Hybrid Particle Exposure to Freshwater Algae <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2018 , 8, 15301	4.9	16
176	Reducing Concentration Polarization and Enhancing the Performance of Flexible Nickel-Zinc Battery Using Polytetrafluoroethylene as Electrode Additive. <i>ChemistrySelect</i> , 2018 , 3, 11890-11894	1.8	5
175	Modification of nano-silver bioactivity by adsorption on carbon nanotubes and graphene oxide. <i>Inhalation Toxicology</i> , 2018 , 30, 429-438	2.7	5
174	Microwave-Assisted Biogenic Synthesis of Metal-Decorated Reduced Graphene Oxide and their Electrochemical Properties. <i>ChemistrySelect</i> , 2018 , 3, 13438-13441	1.8	1
173	Immobilization of Graphene Oxide on the Permeate Side of a Membrane Distillation Membrane to Enhance Flux. <i>Membranes</i> , 2018 , 8,	3.8	21

172	Enhanced membrane distillation of organic solvents from their aqueous mixtures using a carbon nanotube immobilized membrane. <i>Journal of Membrane Science</i> , 2018 , 568, 134-140	9.6	24
171	Effect of carbon nanotube (CNT) functionalization in Epoxy-CNT composites. <i>Nanotechnology Reviews</i> , 2018 , 7, 475-485	6.3	105
170	Variation in chemical, colloidal and electrochemical properties of carbon nanotubes with the degree of carboxylation. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	16
169	Analytical sample preparation, preconcentration and chromatographic separation on carbon nanotubes. <i>Current Opinion in Chemical Engineering</i> , 2017 , 16, 102-114	5.4	15
168	Stromelysin-2 (MMP-10) facilitates clearance and moderates inflammation and cell death following lung exposure to long multiwalled carbon nanotubes. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1019-1031	7.3	5
167	Development of flexible zinc-air battery with nanocomposite electrodes and a novel separator. <i>Journal of Energy Chemistry</i> , 2017 , 26, 129-138	12	33
166	Bimetallic Oxide Nanohybrid Synthesized from Diatom Frustules for the Removal of Selenium from Water. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-9	3.2	2
165	A Bilayered Structure Comprised of Functionalized Carbon Nanotubes for Desalination by Membrane Distillation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19507-13	9.5	40
164	Selective hydrophilization of the permeate surface to enhance flux in membrane distillation. <i>Separation and Purification Technology</i> , 2016 , 170, 427-433	8.3	17
163	Effects of multiwalled carbon nanotube surface modification and purification on bovine serum albumin binding and biological responses. <i>Journal of Nanomaterials</i> , 2016 , 2016,	3.2	19
162	Flux enhancement in direct contact membrane distillation by implementing carbon nanotube immobilized PTFE membrane. <i>Separation and Purification Technology</i> , 2016 , 161, 136-143	8.3	63
161	Effects of anodic oxidation of a substoichiometric titanium dioxide reactive electrochemical membrane on algal cell destabilization and lipid extraction. <i>Bioresource Technology</i> , 2016 , 203, 112-7	11	28
160	Desalination across a graphene oxide membrane via direct contact membrane distillation. <i>Desalination</i> , 2016 , 378, 37-43	10.3	97
159	Effect on Growth, Photosynthesis, and Oxidative Stress of Single Walled Carbon Nanotubes Exposure to Marine Alga. <i>Journal of Nanomaterials</i> , 2016 , 2016,	3.2	13
158	Ruthenium decorated carbon nanoink as highly active electrocatalyst in hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 23007-23014	6.7	13
157	The pulmonary inflammatory response to multiwalled carbon nanotubes is influenced by gender and glutathione synthesis. <i>Redox Biology</i> , 2016 , 9, 264-275	11.3	11
156	Carbon nanotube-immobilized super-absorbent membrane for harvesting water from the atmosphere. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 753-760	4.2	14
155	Synthesis of diatom-FeOx composite for removing trace arsenic to meet drinking water standards. <i>Journal of Colloid and Interface Science</i> , 2015 , 457, 169-73	9.3	22

154	Ultra-low casting of Pt based nano-ink for electrooxidation of glycerol and ethylene glycol fuels in alkaline medium. <i>Fuel</i> , 2015 , 158, 659-663	7.1	11
153	Microwave synthesis of highly oxidized and defective carbon nanotubes for enhancing the performance of supercapacitors. <i>Carbon</i> , 2015 , 91, 103-113	10.4	29
152	Microwave Induced Reactive Base Wash for the Removal of Oxidation Debris from Carboxylated Carbon Nanotubes. <i>Carbon</i> , 2015 , 88, 233-238	10.4	8
151	Water defluoridation using a nanostructured diatom-ZrO ₂ composite synthesized from algal biomass. <i>Journal of Colloid and Interface Science</i> , 2015 , 450, 239-245	9.3	33
150	Carbon Nanotube Immobilized Composite Hollow Fiber Membranes for Extraction of Volatile Organics from Air. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 13231-13237	3.8	10
149	Enhanced preconcentration of selected chlorofluorocarbons on multiwalled carbon nanotubes with polar functionalities. <i>Journal of Separation Science</i> , 2015 , 38, 426-32	3.4	2
148	Oxidation debris in microwave functionalized carbon nanotubes: Chemical and biological effects. <i>Carbon</i> , 2014 , 68, 678-686	10.4	23
147	Enhanced charge-carrier transport through shorter carbon nanotubes in organic photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1640-5	9.5	7
146	Aggregation behavior of nanodiamonds and their functionalized analogs in an aqueous environment. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 518-23	4.3	23
145	Fractionation of carboxylated carbon nanotubes and the corresponding variation in their colloidal behavior. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2295-300	4.3	2
144	Enhanced desalination via functionalized carbon nanotube immobilized membrane in direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2014 , 136, 58-65	8.3	113
143	Instillation versus inhalation of multiwalled carbon nanotubes: exposure-related health effects, clearance, and the role of particle characteristics. <i>ACS Nano</i> , 2014 , 8, 8911-31	16.7	57
142	Length reduction of multi-walled carbon nanotubes via high energy ultrasonication and its effect on their dispersibility. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	9
141	Nanodiamond immobilized membranes for enhanced desalination via membrane distillation. <i>Desalination</i> , 2014 , 341, 115-119	10.3	42
140	Fabrication of high-performance flexible alkaline batteries by implementing multiwalled carbon nanotubes and copolymer separator. <i>Advanced Materials</i> , 2014 , 26, 970-6	24	98
139	Effect of low concentrations of carbon black in organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 128, 69-76	6.4	5
138	Development of flexible secondary alkaline battery with carbon nanotube enhanced electrodes. <i>Journal of Power Sources</i> , 2014 , 266, 296-303	8.9	11
137	Advances in Nanostructured Membranes for Water Desalination 2014 , 109-122		3

136	Functionalized nanodiamond as a charge transporter in organic solar cells. <i>Solar Energy</i> , 2013 , 91, 204-218	11.8	29
135	Microwave induced carboxylation of nanodiamonds. <i>Diamond and Related Materials</i> , 2013 , 34, 65-69	3.5	13
134	Detonation Nanodiamonds and Carbon Nanotubes as Reinforcements in Epoxy Composites: A Comparative Study. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2013 , 4,		17
133	Effect of MWCNT size, carboxylation, and purification on in vitro and in vivo toxicity, inflammation and lung pathology. <i>Particle and Fibre Toxicology</i> , 2013 , 10, 57	8.4	119
132	Comparison of nanotube-protein corona composition in cell culture media. <i>Small</i> , 2013 , 9, 2171-81	11	109
131	Formation of stainless steel-carbon nanotube composites using a scalable chemical vapor infiltration process. <i>Journal of Materials Science</i> , 2013 , 48, 1387-1395	4.3	19
130	Enhanced desalination using carboxylated carbon nanotube immobilized membranes. <i>Separation and Purification Technology</i> , 2013 , 120, 373-377	8.3	57
129	2013 ,		1
128	Poly(acrylamide-co-acrylic acid) hydrophilization of porous polypropylene membrane for dehumidification. <i>Separation and Purification Technology</i> , 2013 , 107, 54-60	8.3	17
127	Nanostructured membranes in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 45, 248-266	16	14
126	Flexible zinc-carbon batteries with multiwalled carbon nanotube/conductive polymer cathode matrix. <i>Journal of Power Sources</i> , 2013 , 237, 210-214	8.9	35
125	Interlaboratory evaluation of in vitro cytotoxicity and inflammatory responses to engineered nanomaterials: the NIEHS Nano GO Consortium. <i>Environmental Health Perspectives</i> , 2013 , 121, 683-90	8.4	151
124	A C70-carbon nanotube complex for bulk heterojunction photovoltaic cells. <i>Applied Physics Letters</i> , 2013 , 103, 243108	3.4	12
123	Protein expression profiles of intestinal epithelial co-cultures: effect of functionalised carbon nanotube exposure. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2013 , 3,	0.2	10
122	Aggregation behaviour of carbon nanotubes in aqueous and physiological media and its influence on toxicity. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2013 , 3, 84	0.2	2
121	Antisolvent precipitation of hydrophobic functionalized multiwall carbon nanotubes in an aqueous environment. <i>Journal of Colloid and Interface Science</i> , 2012 , 368, 115-20	9.3	10
120	Adsorption of arsenic on multiwall carbon nanotube-zirconia nanohybrid for potential drinking water purification. <i>Journal of Colloid and Interface Science</i> , 2012 , 375, 154-9	9.3	142
119	Carbon nanotube enhanced membrane distillation for simultaneous generation of pure water and concentrating pharmaceutical waste. <i>Separation and Purification Technology</i> , 2012 , 90, 239-245	8.3	47

118	Effect of carbon nanotube functionalization in micro-solid-phase extraction (µSPE) integrated into the needle of a syringe. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1029-39	4.4	11
117	Size dependent aqueous dispersibility of carboxylated multiwall carbon nanotubes. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2772-9		21
116	Carbon nanotube immobilized polar membranes for enhanced extraction of polar analytes. <i>Analyst, The</i> , 2012 , 137, 4464-8	5	11
115	Electro-catalytic activity of multiwall carbon nanotube-metal (Pt or Pd) nanohybrid materials synthesized using microwave-induced reactions and their possible use in fuel cells. <i>Electrochimica Acta</i> , 2012 , 83, 40-46	6.7	36
114	Synthesis and immobilization of micro-scale drug particles in presence of β-cyclodextrins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 92, 213-22	6	2
113	Water desalination using carbon-nanotube-enhanced membrane distillation. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 110-4	9.5	222
112	Dispersal state of multiwalled carbon nanotubes elicits profibrogenic cellular responses that correlate with fibrogenesis biomarkers and fibrosis in the murine lung. <i>ACS Nano</i> , 2011 , 5, 9772-87	16.7	159
111	Carbon nanotube enhanced membrane distillation for online preconcentration of trace pharmaceuticals in polar solvents. <i>Analyst, The</i> , 2011 , 136, 2643-8	5	15
110	Removal of Trace Arsenic to Meet Drinking Water Standards Using Iron Oxide Coated Multiwall Carbon Nanotubes. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2077-2083	2.8	121
109	Atomistic simulation study of surfactant and polymer interactions on the surface of a fenofibrate crystal. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 42, 452-61	5.1	40
108	Micropreconcentration units based on carbon nanotubes (CNT). <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 75-89	4.4	45
107	Membrane distillation as an online concentration technique: application to the determination of pharmaceutical residues in natural waters. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 571-5	4.4	11
106	Synthesis and immobilization of micro-scale drug particles in cellulosic films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 86, 181-8	6	5
105	Simultaneous synthesis, stabilization, and self-assembly of microscale drug particles in polymer films. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 2082-2089	2.9	5
104	Altering the polarity of self-assembled carbon nanotubes stationary phase via covalent functionalization. <i>RSC Advances</i> , 2011 , 1, 685	3.7	59
103	Improved optical limiting in dispersible carbon nanotubes and their metal oxide hybrids. <i>Carbon</i> , 2011 , 49, 4767-4773	10.4	41
102	Facile fabrication of superior nanofiltration membranes from interfacially polymerized CNT-polymer composites. <i>Journal of Membrane Science</i> , 2011 , 375, 81-87	9.6	143
101	Effects of polymer wrapping and covalent functionalization on the stability of MWCNT in aqueous dispersions. <i>Journal of Colloid and Interface Science</i> , 2011 , 355, 383-8	9.3	105

100	Effect of solvents on stabilization of micro drug particles. <i>Journal of Crystal Growth</i> , 2011 , 314, 353-358	1.6	7
99	Carbon nanotube-zirconium dioxide hybrid for defluoridation of water. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3552-9	1.3	21
98	Effect of carbon nanoparticles on renal epithelial cell structure, barrier function, and protein expression. <i>Nanotoxicology</i> , 2011 , 5, 354-71	5.3	29
97	Simultaneous extraction and concentration in carbon nanotube immobilized hollow fiber membranes. <i>Analytical Chemistry</i> , 2010 , 82, 5561-7	7.8	30
96	Quantitative techniques for assessing and controlling the dispersion and biological effects of multiwalled carbon nanotubes in mammalian tissue culture cells. <i>ACS Nano</i> , 2010 , 4, 7241-52	16.7	142
95	Self-assembly of carbon nanotubes via ethanol chemical vapor deposition for the synthesis of gas chromatography columns. <i>Analytical Chemistry</i> , 2010 , 82, 5184-8	7.8	81
94	Fullerene-multiwalled carbon nanotube complexes for bulk heterojunction photovoltaic cells. <i>Applied Physics Letters</i> , 2010 , 96, 143303	3.4	27
93	Cytotoxicity effects of water dispersible oxidized multiwalled carbon nanotubes on marine alga, <i>Dunaliella tertiolecta</i> . <i>Aquatic Toxicology</i> , 2010 , 100, 194-201	5.1	94
92	Carbon Nanotube Immobilized Composite Hollow Fiber Membranes for Pervaporative Removal of Volatile Organics from Water. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16351-16356	3.8	35
91	Solvent dispersible nanoplatinum-carbon nanotube hybrids for application in homogeneous catalysis. <i>Chemical Communications</i> , 2010 , 46, 1652-4	5.8	13
90	Methane preconcentration in a microtrap using multiwalled carbon nanotubes as sorbents. <i>Analytica Chimica Acta</i> , 2010 , 677, 50-4	6.6	16
89	Pervaporation in chemical analysis. <i>Journal of Chromatography A</i> , 2010 , 1217, 2736-46	4.5	37
88	Anti-HER2 IgY antibody-functionalized single-walled carbon nanotubes for detection and selective destruction of breast cancer cells. <i>BMC Cancer</i> , 2009 , 9, 351	4.8	120
87	Microscale membrane extraction of diverse antibiotics from water. <i>Analytica Chimica Acta</i> , 2009 , 653, 116-20	6.6	18
86	Stabilizing dispersions of hydrophobic drug molecules using cellulose ethers during anti-solvent synthesis of micro-particulates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 70, 7-14	6	31
85	Microwave-induced rapid nanocomposite synthesis using dispersed single-wall carbon nanotubes as the nuclei. <i>Journal of Materials Science</i> , 2009 , 44, 1245-1250	4.3	20
84	Carbon nanotubes as the sorbent for integrating micro-solid phase extraction within the needle of a syringe. <i>Journal of Chromatography A</i> , 2009 , 1216, 2270-4	4.5	64
83	Fabrication and characterization of carbon nanotubes immobilized in porous polymeric membranes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3713		19

82	Modifying the sorption properties of multi-walled carbon nanotubes via covalent functionalization. <i>Analyst, The</i> , 2009 , 134, 1928-33	5	52
81	Microwave-assisted solid-state grafting of multi-walled carbon nanotubes on polyurethane for the synthesis of a composite with optical limiting properties. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6568		17
80	Photosensitized Singlet Oxygen Production upon Two-Photon Excitation of Single-Walled Carbon Nanotubes and Their Functionalized Analogs. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5182-8185	3.8	24
79	Carbon nanotubes as sorbents for the gas phase preconcentration of semivolatile organics in a microtrap. <i>Analyst, The</i> , 2008 , 133, 1076-82	5	30
78	Fast microwave-assisted purification, functionalization and dispersion of multi-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5770-5	1.3	66
77	Stabilizing single-walled carbon nanotubes by removal of residual metal catalysts. <i>Chemical Physics Letters</i> , 2008 , 459, 149-152	2.5	29
76	A microfluidic hollow fiber membrane extractor for arsenic(V) detection. <i>Analytica Chimica Acta</i> , 2008 , 607, 45-9	6.6	32
75	Microtrapping characteristics of single and multi-walled carbon nanotubes. <i>Journal of Chromatography A</i> , 2008 , 1185, 161-6	4.5	58
74	Micro-scale membrane extraction of glyphosate and aminomethylphosphonic acid in water followed by high-performance liquid chromatography and post-column derivatization with fluorescence detector. <i>Journal of Chromatography A</i> , 2008 , 1189, 483-92	4.5	37
73	Carbon nanotube mediated microscale membrane extraction. <i>Journal of Chromatography A</i> , 2008 , 1211, 43-8	4.5	36
72	Kinetics of carbon nanotube oxidation. <i>Journal of Materials Chemistry</i> , 2007 , 17, 619-623		79
71	Microwave-Induced Controlled Purification of Single-Walled Carbon Nanotubes without Sidewall Functionalization. <i>Advanced Functional Materials</i> , 2007 , 17, 3946-3951	15.6	57
70	Automated, on-line membrane extraction. <i>Journal of Chromatography A</i> , 2007 , 1152, 199-214	4.5	68
69	Barrier film protected, and mixed solvent optimized micro-scale membrane extraction of methyl carbamate pesticides. <i>Journal of Chromatography A</i> , 2007 , 1154, 60-5	4.5	20
68	Measurement of nitrophenols in air samples by impinger sampling and supported liquid membrane micro-extraction. <i>Analytica Chimica Acta</i> , 2007 , 583, 10-4	6.6	17
67	Processing of fullerene-single wall carbon nanotube complex for bulk heterojunction photovoltaic cells. <i>Applied Physics Letters</i> , 2007 , 91, 253112	3.4	38
66	A fullerene-single wall carbon nanotube complex for polymer bulk heterojunction photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2406-2411		182
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