

Mechanical Purification of Single-Walled Carbon Nanotube Particles

Nano Letters

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and manipulation of carbon nanotubes. <i>New Journal of Physics</i> , 2003, 5, 120-120.	1.2	48
2	Purification of Single Wall Carbon Nanotubes Using Gelatin. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 1227-1230.	0.8	6
3	Nondestructive and High-Recovery-Yield Purification of Single-Walled Carbon Nanotubes by Chemical Functionalization. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8848-8854.	1.2	49
4	Alignment of TiO ₂ particles by electrophoretic deposition in a high magnetic field. <i>Materials Research Bulletin</i> , 2004, 39, 2155-2161.	2.7	17
5	Purification of Single-Wall Carbon Nanotubes by Electrochemical Oxidation. <i>Chemistry of Materials</i> , 2004, 16, 5744-5750.	3.2	149
6	Magnetic separation of Fe catalyst from single-walled carbon nanotubes in an aqueous surfactant solution. <i>Carbon</i> , 2005, 43, 1151-1155.	5.4	27
7	Spectroscopic study on the centrifugal fractionation of soluble single-walled carbon nanotubes. <i>Carbon</i> , 2005, 43, 2750-2759.	5.4	19
8	Centrifugal purification of chemically modified single-walled carbon nanotubes. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 571-581.	2.8	39
9	NMR Detection of Single-Walled Carbon Nanotubes in Solution. <i>Journal of the American Chemical Society</i> , 2005, 127, 7517-7520.	6.6	66
10	Preparation and nanoscopic internal structure of single-walled carbon nanotube-ionic liquid gel. <i>Synthetic Metals</i> , 2005, 154, 189-192.	2.1	30
11	Controlled Multistep Purification of Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2005, 5, 163-168.	4.5	130
12	Application of Centrifugation to the Large-Scale Purification of Electric Arc-Produced Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 9902-9908.	6.6	110
13	Purification strategies and purity visualization techniques for single-walled carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2006, 16, 141-154.	6.7	210
14	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. <i>Mikrochimica Acta</i> , 2006, 152, 187-214.	2.5	336
15	A microfluidic magnetophoresis chip for continuous single-walled carbon nanotube purification from magnetic force-induced superparamagnetic metal catalyst. , 2007, , .		1
16	Gas sensing improvement of carbon nanotubes by NH ₄ OH "flash treatment: a nondestructive purification technique. <i>Journal of Materials Chemistry</i> , 2007, 17, 3581.	6.7	13
17	High-Purity Diamagnetic Single-Wall Carbon Nanotube Buckypaper. <i>Chemistry of Materials</i> , 2007, 19, 2982-2986.	3.2	39
18	Co-synthesis, purification and characterization of single- and multi-walled carbon nanotubes using the electric arc method. <i>Carbon</i> , 2007, 45, 132-140.	5.4	75

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19	Magnetophoretic Continuous Purification of Single-Walled Carbon Nanotubes from Catalytic Impurities in a Microfluidic Device. <i>Small</i> , 2007, 3, 1784-1791.	5.2	48
20	Conceptual design of carbon nanotube processes. <i>Clean Technologies and Environmental Policy</i> , 2007, 9, 289-311.	2.1	51
21	Polymer nanocomposites containing carbon nanotubes and miscible polymer blends based on poly[ethylene- <i>co</i> (acrylic acid)]. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1462-1472.	1.3	10
22	Purification and separation of carbon nanocapsules as a magnetic carrier for drug delivery systems. <i>Carbon</i> , 2008, 46, 1523-1529.	5.4	59
23	Purification of carbon nanotubes. <i>Carbon</i> , 2008, 46, 2003-2025.	5.4	660
24	Sedimentation of nanocarbon materials in organic solvents. <i>Materials Chemistry and Physics</i> , 2008, 107, 322-327.	2.0	5
25	Comparative Studies on the Magnetic Separation of Carbon Nanotubes and Carbon Nanofibers Suspended in Aqueous Solution. <i>Journal of Chemical Engineering of Japan</i> , 2008, 41, 627-630.	0.3	1
26	The precise self-assembly of individual carbon nanotubes using magnetic capturing and fluidic alignment. <i>Nanotechnology</i> , 2009, 20, 325607.	1.3	19
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29	Flexible Chemical Sensors. , 2010, , 247-273.		2
31	Purification, Functionalization, and Bioconjugation of Carbon Nanotubes. <i>Methods in Molecular Biology</i> , 2011, 751, 505-532.	0.4	3
32	Single-walled carbon nanotubes fractionation via electrophoresis. <i>Polish Journal of Chemical Technology</i> , 2011, 13, 1-4.	0.3	3
33	Studies of Fe-binding sites within multiwall carbon nanotubes using Mössbauer spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1796-1800.	0.8	2
34	Near-infrared fluorescence spectroscopy of single-walled carbon nanotubes and its applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1109-1119.	5.8	24
35	Chemistry of Carbon Nanotubes for Everyone. <i>Journal of Chemical Education</i> , 2012, 89, 221-229.	1.1	35
36	Comparative Investigation of Chemical Vapor Deposition of Palladium Nanoparticles on Different Carbon Substrates. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 56-71.	1.0	7
37	Plasma-thermal purification and annealing of carbon nanotubes. <i>Carbon</i> , 2012, 50, 3934-3942.	5.4	60
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40	Josephson Effect in Graphene: Comparison of Real and Pseudo Vector Potential Barriers. Chinese Physics Letters, 2014, 31, 037401.	1.3	3
41	Removing Aggregates from Single-Walled Carbon Nanotube Samples by Magnetic Purification. Journal of Physical Chemistry C, 2014, 118, 4489-4494.	1.5	16
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43	A Review on Polymeric Nanocomposites of Nanodiamond, Carbon Nanotube, and Nanobifiller: Structure, Preparation and Properties. Polymer-Plastics Technology and Engineering, 2015, 54, 1379-1409.	1.9	55
44	Carbon Nanotubes: A Promising Carrier for Drug Delivery and Targeting. , 2016, , 465-501.		7
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61	Dynamics of paramagnetic and ferromagnetic ellipsoidal particles in shear flow under a uniform magnetic field. Physical Review Fluids, 2018, 3, .	1.0	8
62	Fabrication of self-assembled monolayer using carbon nanotubes conjugated 1-aminoundecanethiol on gold substrates. Natural Science, 2011, 03, 208-217.	0.2	3
64	Carbon nanotubes for the synthesis of ceramicmatrix composite (cleaning, dispersion, surface) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10 0.1	0.784314	10
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67	History of Carbon Nanotubes. , 2022, , 1-22.		0
68	History of Carbon Nanotubes. , 2022, , 3-24.		0