Peter T Lillehei

List of Publications by Year
in descending order

46 papers	1,930 citations	279798 23 h-index	395702 33 g-index
46 all docs	46 docs citations	46 times ranked	2660 citing authors

#	Article	IF	Citations
1	Aligned single-wall carbon nanotube polymer composites using an electric field. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1751-1762.	2.1	202
2	AC and DC percolative conductivity of single wall carbon nanotube polymer composites. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 3273-3287.	2.1	197
3	Very long single- and few-walled boron nitride nanotubes via the pressurized vapor/condenser method. Nanotechnology, 2009, 20, 505604.	2.6	182
4	Electrostatic Assembly of Polymer/Single Walled Carbon Nanotube Multilayer Films. Nano Letters, 2003, 3, 59-62.	9.1	175
5	Space durable polymer/carbon nanotube films for electrostatic charge mitigation. Polymer, 2004, 45, 825-836.	3.8	168
6	Melt processing of SWCNT-polyimide nanocomposite fibers. Composites Part B: Engineering, 2004, 35, 439-446.	12.0	155
7	Cobalt oxide hollow nanoparticles derived by bio-templating. Chemical Communications, 2005, , 4101.	4.1	82
8	Measuring the Compression of a Carbon Nanospring. Nano Letters, 2004, 4, 1009-1016.	9.1	71
9	Nanoscale subsurface imaging via resonant difference-frequency atomic force ultrasonic microscopy. Journal of Applied Physics, 2007, 101, 114324.	2.5	67
10	A quantitative assessment of carbon nanotube dispersion in polymer matrices. Nanotechnology, 2009, 20, 325708.	2.6	62
11	Polymer/Single-Walled Carbon Nanotube Films Assembled via Donorâ^'Acceptor Interactions and Their Use as Scaffolds for Silica Deposition. Chemistry of Materials, 2004, 16, 3904-3910.	6.7	55
12	Scanning Probe Microscopy. Analytical Chemistry, 2000, 72, 189-196.	6.5	50
13	Measuring the Adhesion Forces between Alkanethiol-Modified AFM Cantilevers and Single Walled Carbon Nanotubes. Nano Letters, 2004, 4, 61-64.	9.1	48
14	Imaging Carbon Nanotubes in High Performance Polymer Composites via Magnetic Force Microscopy. Nano Letters, 2002, 2, 827-829.	9.1	45
15	Evidence of Piezoelectricity in SWNT-Polyimide and SWNT-PZT-Polyimide Composites. Journal of Thermoplastic Composite Materials, 2008, 21, 393-409.	4.2	42
16	Chemical Force Microscopy on Single-Walled Carbon Nanotube Paper. Chemistry of Materials, 2005, 17, 4289-4295.	6.7	39
17	Scanning Probe Microscopy. Analytical Chemistry, 2002, 74, 2851-2862.	6.5	37
18	Patterned Metallization of Porous Silicon from Electroless Solution for Direct Electrical Contact. Journal of the Electrochemical Society, 2000, 147, 3785.	2.9	31

#	Article	IF	Citations
19	A novel negative dielectric constant material based on phosphoric acid doped poly(benzimidazole). Journal of Applied Polymer Science, 2012, 125, 2977-2985.	2.6	29
20	Electrochemically controlled reconstitution of immobilized ferritins for bioelectronic applications. Journal of Electroanalytical Chemistry, 2007, 601, 8-16.	3.8	28
21	Investigation of ionomers as dispersants for single wall carbon nanotubes. Polymer, 2005, 46, 2506-2521.	3.8	27
22	Magnetic nanowire based high resolution magnetic force microscope probes. Applied Physics Letters, 2005, 87, 123507.	3.3	27
23	Chloride salt enhancement and stabilization of the photoluminescence from a porous silicon surface. Physical Review B, 2000, 61, 5615-5631.	3.2	26
24	Thermodynamic approach to enhanced dispersion and physical properties in a carbon nanotube/polypeptide nanocomposite. Polymer, 2009, 50, 1925-1932.	3.8	20
25	New insights into subsurface imaging of carbon nanotubes in polymer composites via scanning electron microscopy. Nanotechnology, 2015, 26, 085703.	2.6	15
26	Scanning force microscopy of nucleic acid complexes. Methods in Enzymology, 2001, 340, 234-251.	1.0	9
27	Gold Nanoshell Assembly on a Ferritin Protein Employed as a Bio-Template. Journal of Nanoscience and Nanotechnology, 2010, 10, 1771-1777.	0.9	9
28	Contrasting photovoltaic response and photoluminescence for distinct porous silicon pore structures. Physical Review B, 2000, 61, 7589-7594.	3.2	5
29	Ferritin-templated quantum dots for quantum logic gates (Invited Paper). , 2005, , .		4
30	Assembly of modified ferritin proteins on carbon nanotubes and its electrocatalytic activity for oxygen reduction. Journal of Materials Chemistry, 2012, 22, 8408.	6.7	4
31	Metallized nanotube polymer composites via supercritical fluid impregnation. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 394-402.	2.1	4
32	Plastic Tip Arrays for Force Spectroscopy. Analytical Chemistry, 2004, 76, 3861-3863.	6.5	3
33	Wireless power technology for application-specific scenarios of high-altitude airships. , 2006, , .		3
34	Development of Nanoscale Power System Using Biological Self-assembly Method. , 2003, , .		2
35	Fabrication of cell structures for bionanobattery. , 2004, , .		2
36	Development of a bionanobattery for distributed power storage systems. , 2004, , .		2

#	Article	IF	Citations
37	Peeling of Long, Straight Carbon Nanotubes from Surfaces. Journal of Nanotechnology, 2014, 2014, 1-11.	3.4	2
38	Molecular Design of Next-generation Single Walled Carbon Nanotubes-Polymer Composites. Microscopy and Microanalysis, 2004, 10, 134-135.	0.4	1
39	Force Spectroscopy of Biopolymers:Correlating Molecular Structure with Single Molecule Elasticity. Microscopy and Microanalysis, 2004, 10, 204-205.	0.4	0
40	Electrochemical reconstitution of biomolecules for applications as electrocatalysts for the bionanofuel cell. , 2004, , .		0
41	AFM Characterization of Electroactive Polymer Nanocomposites. Materials Research Society Symposia Proceedings, 2005, 889, 1.	0.1	0
42	Bio-Nanobattery Development and Characterization. , 2005, , .		0
43	Biotemplated Multilayer Structure for Nanoscale Energy Storage Units. , 2005, , .		0
44	Nanostructured solar irradiation control materials for solar energy conversion. Proceedings of SPIE, 2013, , .	0.8	0
45	Polyelectrolyte Films with Incorporated Carbon Nanotubes. , 2008, , 3396-3402.		0
46	Polyelectrolyte Films with Incorporated Carbon Nanotubes. , 0, , 3683-3689.		0