

Jiri Cech

List of Publications by Year in descending order

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papers

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623734

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1287
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(L-lactide) (PLLA)/Multiwalled Carbon Nanotube (MWCNT) Composite: Characterization and Biocompatibility Evaluation. Journal of Physical Chemistry B, 2006, 110, 12910-12915.	2.6	220
2	Melt Mixing as Method to Disperse Carbon Nanotubes into Thermoplastic Polymers. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 211-224.	2.1	96
3	Patternable transparent carbon nanotube films for electrochromic devices. Journal of Applied Physics, 2007, 101, 016102.	2.5	60
4	Dynamic electrical properties of polymer-carbon nanotube composites: Enhancement through covalent bonding. Journal of Materials Research, 2006, 21, 1071-1077.	2.6	53
5	Fabrication of combined-scale nano- and microfluidic polymer systems using a multilevel dry etching, electroplating and molding process. Journal of Micromechanics and Microengineering, 2012, 22, 115008.	2.6	48
6	Enhancement of Electrochemical Activity of LiFePO ₄ (olivine) by Amphiphilic Ru-bipyridine Complex Anchored to a Carbon Nanotube. Chemistry of Materials, 2007, 19, 4716-4721.	6.7	39
7	Thiolation of carbon nanotubes and sidewall functionalization. Journal of Materials Research, 2006, 21, 1012-1018.	2.6	37
8	Functionalization of multi-walled carbon nanotubes: Direct proof of sidewall thiolation. Physica Status Solidi (B): Basic Research, 2006, 243, 3221-3225.	1.5	35
9	A study of the effect of different catalysts for the efficient CVD growth of carbon nanotubes on silicon substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 6-10.	2.7	27
10	Effect of fluorination on electrical properties of single walled carbon nanotubes and C60 peapods in networks. Current Applied Physics, 2007, 7, 42-46.	2.4	26
11	Coordination defects in bismuth-modified arsenic selenide glasses: High-resolution x-ray photoelectron spectroscopy measurements. Physical Review B, 2008, 77, .	3.2	26
12	Selective etching of chalcogenides and its application for fabrication of diffractive optical elements. Journal of Non-Crystalline Solids, 2003, 326-327, 515-518.	3.1	23
13	The Change of the State of an Endohedral Fullerene by Encapsulation into SWCNT: A Raman Spectroelectrochemical Study of Dy ₃ N@C ₈₀ Peapods. Chemistry - A European Journal, 2007, 13, 8811-8817.	3.3	23
14	Stability of FDTS monolayer coating on aluminum injection molding tools. Applied Surface Science, 2012, 259, 538-541.	6.1	22
15	Surface roughness reduction using spray-coated hydrogen silsesquioxane reflow. Applied Surface Science, 2013, 280, 424-430.	6.1	14
16	HRTEM and EELS investigation of functionalized carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 109-114.	2.7	9
17	Synthesis of SWCNTs for C82 peapods by arc-discharge process using nonmagnetic catalysts. Physica Status Solidi (B): Basic Research, 2006, 243, 3042-3045.	1.5	8
18	Progress in single-walled carbon nanotube based nanoelectromechanical systems. Physica Status Solidi (B): Basic Research, 2006, 243, 3500-3504.	1.5	4

#	ARTICLE	IF	CITATIONS
19	CVD synthesis of single wall carbon nanotubes devoted to ULSI electronic applications. Physica Status Solidi (B): Basic Research, 2006, 243, 3077-3081.	1.5	4
20	Single-walled carbon nanotubes synthesized by the pyrolysis of pyridine over catalysts. Journal of Materials Research, 2006, 21, 2835-2840.	2.6	3
21	Fabrication of freestanding SWCNT networks for fast microbolometric focal plane array sensor. Proceedings of SPIE, 2010, , .	0.8	2
22	Impinging jet study of the deposition of colloidal particles on synthetic polymer (Zeonor). International Journal of Heat and Mass Transfer, 2014, 78, 416-422.	4.8	2