

# Jiri Cech

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4010530/publications.pdf>

Version: 2024-02-01

22  
papers

781  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1287  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Surface roughness reduction using spray-coated hydrogen silsesquioxane reflow. Applied Surface Science, 2013, 280, 424-430.	6.1	14
3	Stability of FDTS monolayer coating on aluminum injection molding tools. Applied Surface Science, 2012, 259, 538-541.	6.1	22
4	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
5	Fabrication of freestanding SWCNT networks for fast microbolometric focal plane array sensor. Proceedings of SPIE, 2010, , .	0.8	2
6	Coordination defects in bismuth-modified arsenic selenide glasses: High-resolution x-ray photoelectron spectroscopy measurements. Physical Review B, 2008, 77, .	3.2	26
7	Patternable transparent carbon nanotube films for electrochromic devices. Journal of Applied Physics, 2007, 101, 016102.	2.5	60
8	Enhancement of Electrochemical Activity of $\text{LiFePO}_4$ (olivine) by Amphiphilic Ru-bipyridine Complex Anchored to a Carbon Nanotube. Chemistry of Materials, 2007, 19, 4716-4721.	6.7	39
9	The Change of the State of an Endohedral Fullerene by Encapsulation into SWCNT: A Raman Spectroelectrochemical Study of $\text{Dy}_3\text{N}@C_{80}$ Peapods. Chemistry - A European Journal, 2007, 13, 8811-8817.	3.3	23
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	HRTEM and EELS investigation of functionalized carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 109-114.	2.7	9
12	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
13	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
14	Dynamic electrical properties of polymer-carbon nanotube composites: Enhancement through covalent bonding. Journal of Materials Research, 2006, 21, 1071-1077.	2.6	53
15	Functionalization of multi-walled carbon nanotubes: Direct proof of sidewall thiolation. Physica Status Solidi (B): Basic Research, 2006, 243, 3221-3225.	1.5	35
16	Progress in single-walled carbon nanotube based nanoelectromechanical systems. Physica Status Solidi (B): Basic Research, 2006, 243, 3500-3504.	1.5	4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Single-walled carbon nanotubes synthesized by the pyrolysis of pyridine over catalysts. Journal of Materials Research, 2006, 21, 2835-2840.	2.6	3
20	Thiolation of carbon nanotubes and sidewall functionalization. Journal of Materials Research, 2006, 21, 1012-1018.	2.6	37
21	Melt Mixing as Method to Disperse Carbon Nanotubes into Thermoplastic Polymers. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 211-224.	2.1	96
22	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