Toshiyuki Ohashi

List of Publications by Year in Descending Order

14 papers	469 citations	8 h-index	15 g-index
15 ext. papers	509 ext. citations	7.1 avg, IF	3.18 L-index

#	Paper	IF	Citations
14	Hysteresis of the charge transfer resistance between the charge and discharge processes obtained from electrochemical impedance measurements using a thin-film cathode for a lithium-ion cell. *Journal of Electroanalytical Chemistry*, **2021**, 899, 115675	4.1	
13	Lithium-Ion Transfer at Cathode-Electrolyte Interface in Diluted Electrolytes Using Electrochemical Impedance Spectroscopy. *ChemElectroChem*, **2020**, 7, 1644-1651	4.3	7
12	Analysis of Cathode Reactions of Lithium Ion Cells Using Dynamic Electrochemical Impedance. *Journal of the Electrochemical Society*, **2020**, 167, 020502	3.9	6
11	Correlation between the Carbon Nanotube Growth Rate and Byproducts in Antenna-Type Remote Plasma Chemical Vapor Deposition Observed by Vacuum Ultraviolet Absorption Spectroscopy. *Small*, **2019**, 15, e1901504	11	2
10	Growth of vertically aligned single-walled carbon nanotubes with metallic chirality through faceted FePt-Au catalysts. *Journal of Applied Physics*, **2016**, 119, 084303	2.5	6
9	Synthesis of vertically aligned single-walled carbon nanotubes with metallic chirality through facet control of catalysts. *Carbon*, **2015**, 87, 453-461	10.4	18
8	Understanding the stability of a sputtered Al buffer layer for single-walled carbon nanotube forest synthesis. *Carbon*, **2013**, 57, 401-409	10.4	11
7	Increasing the length of a single-wall carbon nanotube forest by adding titanium to a catalytic substrate. *Carbon*, **2013**, 57, 79-87	10.4	13
6	High quality single-walled carbon nanotube synthesis using remote plasma CVD. *Diamond and Related Materials*, **2012**, 24, 184-187	3.5	15
5	Controlled preparation and electron emission properties of three-dimensional micropatterned aligned carbon nanotubes. *Applied Physics Letters*, **2006**, 89, 103103	3.4	14
4	C60 and carbon nanotube sensors **2006**, 525-575		1
3	Controlled Syntheses of Aligned Multi-Walled Carbon Nanotubes: Catalyst Particle Size and Density Control via Layer-by-Layer Assembling. *Chemistry of Materials*, **2005**, 17, 6599-6604	9.6	16
2	Large-scale synthesis of perpendicularly aligned helical carbon nanotubes. *Journal of the American Chemical Society*, **2004**, 126, 5070-1	16.4	127
1	Theoretical evaluation of hydrogen storage capacity in pure carbon nanostructures. *Journal of Chemical Physics*, **2003**, 119, 2376-2385	3.9	232