Sung-Hyun Lee

List of Publications by Year
in descending order

12 papers	269 citations	1163117 8 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	289 citing authors

#	Article	IF	Citations
1	Synthesis of high-quality carbon nanotube fibers by controlling the effects of sulfur on the catalyst agglomeration during the direct spinning process. RSC Advances, 2015, 5, 41894-41900.	3.6	67
2	Deep-injection floating-catalyst chemical vapor deposition to continuously synthesize carbon nanotubes with high aspect ratio and high crystallinity. Carbon, 2021, 173, 901-909.	10.3	52
3	Synthesis of carbon nanotube fibers using the direct spinning process based on Design of Experiment (DOE). Carbon, 2016, 100, 647-655.	10.3	39
4	Accurate measurement of specific tensile strength of carbon nanotube fibers with hierarchical structures by vibroscopic method. RSC Advances, 2017, 7, 8575-8580.	3.6	26
5	Mathematical model for the dynamic mechanical behavior of carbon nanotube yarn in analogy with hierarchically structured bio-materials. Carbon, 2019, 152, 151-158.	10.3	25
6	Synthesis, property, and application of carbon nanotube fiber. Journal of the Korean Ceramic Society, 2021, 58, 148-159.	2.3	20
7	Strong and Highly Conductive Carbon Nanotube Fibers as Conducting Wires for Wearable Electronics. ACS Applied Nano Materials, 2021, 4, 3833-3842.	5.0	16
8	Turning refuse plastic into multi-walled carbon nanotube forest. Science and Technology of Advanced Materials, 2012, 13, 025004.	6.1	10
9	Continuous synthesis of high-crystalline carbon nanotubes by controlling the configuration of the injection part in the floating catalyst chemical vapor deposition process. Carbon Letters, 2020, 30, 613-619.	5.9	6
10	Quantitative analysis of carbon nanotube cross-linking reactions. Korean Journal of Chemical Engineering, 2017, 34, 898-902.	2.7	3
11	Effects of Wet-Pressing and Cross-Linking on the Tensile Properties of Carbon Nanotube Fibers. Materials, 2018, 11, 2170.	2.9	3
12	High Purity Single Wall Carbon Nanotube by Oxygen-Containing Functional Group of Ferrocene-Derived Catalyst Precursor by Floating Catalyst Chemical Vapor Deposition. Nanomaterials, 2022, 12, 863.	4.1	2