

Diffusion- and Reaction-Limited Growth of Carbon Nan

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Catalyst Composition, Morphology and Reaction Pathway in the Growth of "Superlong" Carbon Nanotubes. ChemCatChem, 2010, 2, 1069-1073.	3.7	34
2	Pulsed Growth of Vertically Aligned Nanotube Arrays with Variable Density. ACS Nano, 2010, 4, 7573-7581.	14.6	41
3	Multiple Alkynes React with Ethylene To Enhance Carbon Nanotube Synthesis, Suggesting a Polymerization-like Formation Mechanism. ACS Nano, 2010, 4, 7185-7192.	14.6	79
4	Less-Common Nanostructures in the Forms of Vegetation. Industrial & Engineering Chemistry Research, 2010, 49, 11142-11169.	3.7	17
5	Support-Catalyst-Gas Interactions during Carbon Nanotube Growth on Metallic Ta Films. Journal of Physical Chemistry C, 2011, 115, 4359-4369.	3.1	60
6	Flux-Dependent Growth Kinetics and Diameter Selectivity in Single-Wall Carbon Nanotube Arrays. ACS Nano, 2011, 5, 8311-8321.	14.6	33
7	Growth Kinetics of Vertically Aligned Carbon Nanotube Arrays in Clean Oxygen-free Conditions. ACS Nano, 2011, 5, 9602-9610.	14.6	67
8	Gas Dwell Time Control for Rapid and Long Lifetime Growth of Single-Walled Carbon Nanotube Forests. Nano Letters, 2011, 11, 3617-3623.	9.1	47
9	Carbon Diffusion from Methane into Walls of Carbon Nanotube through Structurally and Compositionally Modified Iron Catalyst. Microscopy and Microanalysis, 2011, 17, 582-586.	0.4	3
10	MWCNT synthesis over Fe-BTC as a catalyst/carbon source via CVD. Materials Letters, 2011, 65, 3055-3057.	2.6	21
11	Kinetic study of double-walled carbon nanotube synthesis by catalytic chemical vapour deposition over an Fe-Mo/MgO catalyst using methane as the carbon source. Chemical Engineering Journal, 2011, 175, 396-407.	12.7	32
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16	Integration and electrical characterization of carbon nanotube via interconnects. Microelectronic Engineering, 2011, 88, 837-843.	2.4	58
17	Carbon nanotube forest growth on NiTi shape memory alloy thin films for thermal actuation. Thin Solid Films, 2011, 519, 6126-6129.	1.8	19
18	In-situ study of growth of carbon nanotube forests on conductive CoSi ₂ support. Journal of Applied Physics, 2011, 109, .	2.5	33

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19	Vertically aligned CNT growth on a microfabricated silicon heater with integrated temperature control—determination of the activation energy from a continuous thermal gradient. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 015004.	2.6	12
20	Role of Gas-phase Reactions and Thermal Gradient Control in Carbon Nanotube Synthesis. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1451, 91-96.	0.1	0
21	<i>In situ</i> and <i>ex situ</i> time resolved study of multi-component Fe _{1-x} Co oxide catalyst activation during MWNT synthesis. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2390-2394.	1.5	62
22	Chemical vapor deposition of carbon nanotube forests. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2315-2322.	1.5	22
23	CO ₂ capture and MWCNTs synthesis using mesoporous silica and zeolite 13X collectively prepared from bottom ash. <i>Catalysis Today</i> , 2012, 190, 15-22.	4.4	43
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39	Materials made of carbon nanotubes. The carbon nanotube forest. <i>Russian Chemical Reviews</i> , 2013, 82, 538-566.	6.5	39
40	In Situ Observation of the Effect of Nitrogen on Carbon Nanotube Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 2921-2923.	6.7	26
41	Optimizing reaction condition for synthesizing spinnable carbon nanotube arrays by chemical vapor deposition. <i>Journal of Materials Science</i> , 2013, 48, 7749-7756.	3.7	17
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64	Effects of metal elements in catalytic growth of carbon nanotubes/graphene: A first principles DFT study. <i>Applied Surface Science</i> , 2014, 317, 923-928.	6.1	18
65	Influence of partial pressure on base-growth of single carbon nanotube. <i>Journal of Crystal Growth</i> , 2014, 404, 34-38.	1.5	6
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