

Er-Xiong Ding

List of Publications by Year in descending order

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papers

609
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31
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Floating catalyst CVD synthesis of single walled carbon nanotubes from ethylene for high performance transparent electrodes. <i>Nanoscale</i> , 2018, 10, 9752-9759.	5.6	73
2	Systematic investigation of the catalyst composition effects on single-walled carbon nanotubes synthesis in floating-catalyst CVD. <i>Carbon</i> , 2019, 149, 318-327.	10.3	50
3	Highly conductive and transparent single-walled carbon nanotube thin films from ethanol by floating catalyst chemical vapor deposition. <i>Nanoscale</i> , 2017, 9, 17601-17609.	5.6	45
4	Optimisation of carbon nanotube ink for large-area transparent conducting films fabricated by controllable rod-coating method. <i>Carbon</i> , 2014, 70, 103-110.	10.3	41
5	Fabrication and evaluation of adhesion enhanced flexible carbon nanotube transparent conducting films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3796-3802.	5.5	30
6	High-performance transparent conducting films of long single-walled carbon nanotubes synthesized from toluene alone. <i>Nano Research</i> , 2020, 13, 112-120.	10.4	29
7	Silicon Substitution in Nanotubes and Graphene via Intermittent Vacancies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13136-13140.	3.1	27
8	Fabrication and test of adhesion enhanced flexible carbon nanotube transparent conducting films. <i>Applied Surface Science</i> , 2014, 313, 220-226.	6.1	25
9	Large-Diameter Carbon Nanotube Transparent Conductor Overcoming Performance-Yield Tradeoff. <i>Advanced Functional Materials</i> , 2022, 32, 2103397.	14.9	24
10	Gas phase synthesis of metallic and bimetallic catalyst nanoparticles by rod-to-tube type spark discharge generator. <i>Journal of Aerosol Science</i> , 2018, 123, 208-218.	3.8	23
11	High-performance single-walled carbon nanotube transparent conducting film fabricated by using low feeding rate of ethanol solution. <i>Royal Society Open Science</i> , 2018, 5, 180392.	2.4	23
12	Roles of sulfur in floating-catalyst CVD growth of single-walled carbon nanotubes for transparent conductive film applications. <i>Chemical Engineering Journal</i> , 2019, 378, 122010.	12.7	22
13	Scalable growth of single-walled carbon nanotubes with a highly uniform structure. <i>Nanoscale</i> , 2020, 12, 12263-12267.	5.6	22
14	Tuning Geometry of SWCNTs by CO ₂ in Floating Catalyst CVD for High-Performance Transparent Conductive Films. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801209.	3.7	20
15	Y-junction carbon nanocoils: synthesis by chemical vapor deposition and formation mechanism. <i>Scientific Reports</i> , 2015, 5, 11281.	3.3	18
16	Colors of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2021, 33, e2006395.	21.0	18
17	A timesaving, low-cost, high-yield method for the synthesis of ultrasmall uniform graphene oxide nanosheets and their application in surfactants. <i>Nanotechnology</i> , 2016, 27, 055601.	2.6	16
18	Electron-Beam Manipulation of Silicon Impurities in Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2019, 29, 1901327.	14.9	14

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19	Towards the synthesis of semiconducting single-walled carbon nanotubes by floating-catalyst chemical vapor deposition: Challenges of reproducibility. <i>Carbon</i> , 2022, 195, 92-100.	10.3	13
20	Growth of morphology-controllable carbon nanocoils from Ni nanoparticle prepared by spray-coating method. <i>Carbon</i> , 2015, 82, 604-607.	10.3	11
21	Hybrid Low-Dimensional Carbon Allotropes Formed in Gas Phase. <i>Advanced Functional Materials</i> , 2020, 30, 2005016.	14.9	11
22	Wafer-Scale Thermophoretic Dry Deposition of Single-Walled Carbon Nanotube Thin Films. <i>ACS Omega</i> , 2018, 3, 1322-1328.	3.5	10
23	Temperature and voltage dependent current-voltage behavior of single-walled carbon nanotube transparent conducting films. <i>Applied Surface Science</i> , 2015, 355, 1201-1205.	6.1	9
24	Synthesis and optimization of tin dioxide/functionalized multi-walled carbon nanotube composites as anode in lithium-ion battery. <i>Materials Chemistry and Physics</i> , 2015, 153, 155-160.	4.0	8
25	Aerosol synthesis of single-walled carbon nanotubes by tuning feeding flow configuration for transparent conducting films. <i>Diamond and Related Materials</i> , 2021, 120, 108716.	3.9	8
26	Fast and Ultraclean Approach for Measuring the Transport Properties of Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2020, 30, 1907150.	14.9	7
27	Hierarchical chrysanthemum-flower-like carbon nanomaterials grown by chemical vapor deposition. <i>Nanotechnology</i> , 2016, 27, 085602.	2.6	5
28	Dry-transferred single-walled carbon nanotube thin films for flexible and transparent heaters. <i>Surfaces and Interfaces</i> , 2022, 31, 101992.	3.0	4
29	Single-Walled Carbon Nanotubes: Tuning Geometry of SWCNTs by CO ₂ in Floating Catalyst CVD for High-Performance Transparent Conductive Films (<i>Adv. Mater. Interfaces</i> 23/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870114.	3.7	2
30	Carbon Nanotubes: Colors of Single-Wall Carbon Nanotubes (<i>Adv. Mater.</i> 8/2021). <i>Advanced Materials</i> , 2021, 33, 2170060.	21.0	1
31	Substitutional Si Doping of Graphene and Nanotubes through Ion Irradiation-Induced Vacancies. <i>Microscopy and Microanalysis</i> , 2019, 25, 1574-1575.	0.4	0