Dmitry V Krasnikov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5612426/publications.pdf

Version: 2024-02-01

35 papers	797 citations	393982 19 h-index	525886 27 g-index
35 all docs	35 docs citations	35 times ranked	751 citing authors

#	Article	IF	Citations
1	Joint effect of ethylene and toluene on carbon nanotube growth. Carbon, 2022, 189, 474-483.	5.4	20
2	Highâ€Quality Graphene Using Boudouard Reaction. Advanced Science, 2022, 9, e2200217.	5.6	12
3	Multifunctional Elastic Nanocomposites with Extremely Low Concentrations of Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2022, 14, 18866-18876.	4.0	19
4	Local ultra-densification of single-walled carbon nanotube films: Experiment and mesoscopic modeling. Carbon, 2022, 196, 979-987.	5.4	4
5	Renewable single-walled carbon nanotube membranes for extreme ultraviolet pellicle applications. Carbon, 2022, 198, 364-370.	5.4	8
6	Detecting cooking state of grilled chicken by electronic nose and computer vision techniques. Food Chemistry, 2021, 345, 128747.	4.2	28
7	Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. Carbon, 2021, 173, 245-252.	5.4	22
8	Activation of catalyst particles for single-walled carbon nanotube synthesis. Chemical Engineering Journal, 2021, 413, 127475.	6.6	19
9	Stretchable Transparent Light-Emitting Diodes Based on InGaN/GaN Quantum Well Microwires and Carbon Nanotube Films. Nanomaterials, 2021, 11, 1503.	1.9	10
10	Residence time effect on single-walled carbon nanotube synthesis in an aerosol CVD reactor. Chemical Engineering Journal, 2021, 420, 129869.	6.6	21
11	Flexible Perovskite CsPbBr₃ Light Emitting Devices Integrated with GaP Nanowire Arrays in Highly Transparent and Durable Functionalized Silicones. Journal of Physical Chemistry Letters, 2021, 12, 9672-9676.	2.1	6
12	Red GaPAs/GaP Nanowire-Based Flexible Light-Emitting Diodes. Nanomaterials, 2021, 11, 2549.	1.9	8
13	Direct measurement of carbon nanotube temperature between fiber ferrules as a universal tool for saturable absorber stability investigation. Carbon, 2021, 184, 941-948.	5.4	9
14	Fine-tuning of spark-discharge aerosol CVD reactor for single-walled carbon nanotube growth: The role of ex situ nucleation. Chemical Engineering Journal, 2020, 383, 123073.	6.6	20
15	Electrochemical enhancement of optoelectronic performance of transparent and conducting single-walled carbon nanotube films. Carbon, 2020, 167, 244-248.	5.4	19
16	Rapid, efficient, and non-destructive purification of single-walled carbon nanotube films from metallic impurities by Joule heating. Carbon, 2020, 168, 193-200.	5.4	19
17	Structure-dependent performance of single-walled carbon nanotube films in transparent and conductive applications. Carbon, 2020, 161, 712-717.	5.4	38
18	Modified silicone rubber for fabrication and contacting of flexible suspended membranes of n-/p-GaP nanowires with a single-walled carbon nanotube transparent contact. Journal of Materials Chemistry C, 2020, 8, 3764-3772.	2.7	27

#	Article	IF	Citations
19	Artificial neural network for predictive synthesis of single-walled carbon nanotubes by aerosol CVD method. Carbon, 2019, 153, 100-103.	5.4	36
20	Machine Learning for Tailoring Optoelectronic Properties of Single-Walled Carbon Nanotube Films. Journal of Physical Chemistry Letters, 2019, 10, 6962-6966.	2.1	54
21	Aerosol-Assisted Fine-Tuning of Optoelectrical Properties of SWCNT Films. Journal of Physical Chemistry Letters, 2019, 10, 3961-3965.	2.1	20
22	A spark discharge generator for scalable aerosol CVD synthesis of single-walled carbon nanotubes with tailored characteristics. Chemical Engineering Journal, 2019, 372, 462-470.	6.6	30
23	Influence of Carbon Nanotube Spatial Distribution on Electromagnetic Properties of Nanotubeâ€“Polymer Composites. Physica Status Solidi (B): Basic Research, 2018, 255, 1700257.	0.7	4
24	Electromagnetic Interaction Between Spherical Aerogels of Multiâ€Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1700256.	0.7	13
25	Influence of the Growth Temperature on the Defective Structure of the Multiâ€Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1700255.	0.7	12
26	Internal field 59Co NMR study of cobalt-iron nanoparticles during the activation of CoFe2/CaO catalyst for carbon nanotube synthesis. Journal of Catalysis, 2018, 358, 62-70.	3.1	31
27	Feâ€“Mo and Coâ€“Mo Catalysts with Varying Composition for Multiâ€Walled Carbon Nanotube Growth. Physica Status Solidi (B): Basic Research, 2018, 255, 1700260.	0.7	26
28	Macroporous carbon aerogel as a novel adsorbent for immobilized enzymes and a support for the lipase-active heterogeneous biocatalysts for conversion of triglycerides and fatty acids. Journal of Porous Materials, 2018, 25, 1017-1026.	1.3	17
29	Side reaction in catalytic CVD growth of carbon nanotubes: Surface pyrolysis of a hydrocarbon precursor with the formation of lateral carbon deposits. Carbon, 2018, 139, 105-117.	5.4	18
30	A model for catalytic synthesis of carbon nanotubes in a fluidized-bed reactor: Effect of reaction heat. Chemical Engineering Journal, 2017, 329, 305-311.	6.6	17
31	Investigation of defectiveness of multiwalled carbon nanotubes produced with Feâ€“Co catalysts of different composition. Journal of Nanophotonics, 2016, 10, 012526.	0.4	22
32	Investigation of electromagnetic properties of MWCNT aerogels produced via catalytic ethylene decomposition. Physica Status Solidi (B): Basic Research, 2015, 252, 2519-2523.	0.7	23
33	Raman spectra for characterization of defective CVD multiâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2444-2450.	0.7	81
34	In situ and ex situ time resolved study of multiâ€component Feï£¿Co oxide catalyst activation during MWNT synthesis. Physica Status Solidi (B): Basic Research, 2012, 249, 2390-2394.	0.7	62
35	Direct Vapor-Phase Bromination of Multiwall Carbon Nanotubes. Journal of Nanotechnology, 2012, 2012, 1-5.	1.5	22