# Dmitry V Krasnikov

List of Publications by Year
in descending order

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

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|---|---|---|---|
| 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 | Raman spectra for characterization of defective CVD multiâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2444-2450. | 0.7 | 81 |
| 2 | 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 |
| 3 | Machine Learning for Tailoring Optoelectronic Properties of Single-Walled Carbon Nanotube Films. Journal of Physical Chemistry Letters, 2019, 10, 6962-6966. | 2.1 | 54 |
| 4 | Structure-dependent performance of single-walled carbon nanotube films in transparent and conductive applications. Carbon, 2020, 161, 712-717. | 5.4 | 38 |
| 5 | Artificial neural network for predictive synthesis of single-walled carbon nanotubes by aerosol CVD method. Carbon, 2019, 153, 100-103. | 5.4 | 36 |
| 6 | 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 |
| 7 | 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 |
| 8 | Detecting cooking state of grilled chicken by electronic nose and computer vision techniques. Food Chemistry, 2021, 345, 128747. | 4.2 | 28 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Direct Vapor-Phase Bromination of Multiwall Carbon Nanotubes. Journal of Nanotechnology, 2012, 2012, 1-5. | 1.5 | 22 |
| 13 | Investigation of defectiveness of multiwalled carbon nanotubes produced with Feâ€“Co catalysts of different composition. Journal of Nanophotonics, 2016, 10, 012526. | 0.4 | 22 |
| 14 | Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. Carbon, 2021, 173, 245-252. | 5.4 | 22 |
| 15 | Residence time effect on single-walled carbon nanotube synthesis in an aerosol CVD reactor. Chemical Engineering Journal, 2021, 420, 129869. | 6.6 | 21 |
| 16 | Aerosol-Assisted Fine-Tuning of Optoelectrical Properties of SWCNT Films. Journal of Physical Chemistry Letters, 2019, 10, 3961-3965. | 2.1 | 20 |
| 17 | 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 |
| 18 | Joint effect of ethylene and toluene on carbon nanotube growth. Carbon, 2022, 189, 474-483. | 5.4 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Electrochemical enhancement of optoelectronic performance of transparent and conducting single-walled carbon nanotube films. Carbon, 2020, 167, 244-248. | 5.4 | 19 |
| 20 | 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 |
| 21 | Activation of catalyst particles for single-walled carbon nanotube synthesis. Chemical Engineering Journal, 2021, 413, 127475. | 6.6 | 19 |
| 22 | Multifunctional Elastic Nanocomposites with Extremely Low Concentrations of Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2022, 14, 18866-18876. | 4.0 | 19 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Electromagnetic Interaction Between Spherical Aerogels of Multiâ€Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1700256. | 0.7 | 13 |
| 27 | 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 |
| 28 | Highâ€Quality Graphene Using Boudouard Reaction. Advanced Science, 2022, 9, e2200217. | 5.6 | 12 |
| 29 | Stretchable Transparent Light-Emitting Diodes Based on InGaN/GaN Quantum Well Microwires and Carbon Nanotube Films. Nanomaterials, 2021, 11, 1503. | 1.9 | 10 |
| 30 | 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 |
| 31 | Red GaPAs/GaP Nanowire-Based Flexible Light-Emitting Diodes. Nanomaterials, 2021, 11, 2549. | 1.9 | 8 |
| 32 | Renewable single-walled carbon nanotube membranes for extreme ultraviolet pellicle applications. Carbon, 2022, 198, 364-370. | 5.4 | 8 |
| 33 | Flexible Perovskite CsPbBr<sub>3</sub> 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 |
| 34 | 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 |
| 35 | Local ultra-densification of single-walled carbon nanotube films: Experiment and mesoscopic modeling. Carbon, 2022, 196, 979-987. | 5.4 | 4 |