Sergey D Shandakov

List of Publications by Year
in descending order

27 papers	1,196 citations	567281 15 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1801 citing authors

#	Article	IF	Citations
1	A novel hybrid carbon material. Nature Nanotechnology, 2007, 2, 156-161.	31.5	369
2	Simple and rapid synthesis of Î±-Fe2O3 nanowires under ambient conditions. Nano Research, 2009, 2, 373-379.	10.4	208
3	A novel cement-based hybrid material. New Journal of Physics, 2009, 11, 023013.	2.9	108
4	Mechanistic investigations of single-walled carbon nanotube synthesis by ferrocene vapor decomposition in carbon monoxide. Carbon, 2010, 48, 380-388.	10.3	78
5	In Situ Study of Noncatalytic Metal Oxide Nanowire Growth. Nano Letters, 2014, 14, 5810-5813.	9.1	63
6	Direct Synthesis of Carbon Nanofibers on Cement Particles. Transportation Research Record, 2010, 2142, 96-101.	1.9	41
7	Mechanistic investigation of ZnO nanowire growth. Applied Physics Letters, 2009, 95, 183114.	3.3	38
8	Effect of gaseous and condensate products of ethanol decomposition on aerosol CVD synthesis of single-walled carbon nanotubes. Carbon, 2018, 126, 522-531.	10.3	36
9	In Situ TEM Observation of MgO Nanorod Growth. Crystal Growth and Design, 2010, 10, 414-417.	3.0	30
10	A Novel Method for Continuous Synthesis of ZnO Tetrapods. Journal of Physical Chemistry C, 2015, 119, 16366-16373.	3.1	30
11	CVD synthesis and radial deformations of large diameter single-walled CNTs. Current Applied Physics, 2009, 9, 301-305.	2.4	26
12	Charging of Aerosol Products during Ferrocene Vapor Decomposition in N₂ and CO Atmospheres. Journal of Physical Chemistry C, 2008, 112, 5762-5769.	3.1	24
13	Residence time effect on single-walled carbon nanotube synthesis in an aerosol CVD reactor. Chemical Engineering Journal, 2021, 420, 129869.	12.7	21
14	Spontaneous Charging of Single-Walled Carbon Nanotubes:â€‰ A Novel Strategy for the Selective Substrate Deposition of Individual Tubes at Ambient Temperature. Chemistry of Materials, 2006, 18, 5052-5057.	6.7	20
15	n-Pentanolâ€"helium homogeneous nucleation rates. Journal of Chemical Physics, 2000, 113, 1971-1975.	3.0	19
16	Phenomenological description of mobility of nm- and sub-nm-sized charged aerosol particles in electric field. Journal of Aerosol Science, 2005, 36, 1125-1143.	3.8	15
17	Fused Filament Fabricated Polypropylene Composite Reinforced by Aligned Glass Fibers. Materials, 2020, 13, 3442.	2.9	14
18	Effect of van der Waals interactions on the structural and binding properties of GaSe. Journal of Solid State Chemistry, 2015, 232, 67-72.	2.9	12

#	Article	IF	Citations
19	Binary N-octanolâ€"sulfur hexafluoride nucleation. Journal of Chemical Physics, 2001, 115, 810-816.	3.0	9
20	Single-walled carbon nanotube charging during bundling process in the gas phase. Physica Status Solidi (B): Basic Research, 2006, 243, 3234-3237.	1.5	8
21	Direct observation of nanowire growth and decomposition. Scientific Reports, 2017, 7, 12310.	3.3	8
22	Spontaneous charging of single-walled carbon nanotubes in the gas phase. Carbon, 2006, 44, 2099-2101.	10.3	6
23	Electromechanical properties of fibers produced from randomly oriented SWCNT films by wet pulling technique. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115178.	3.5	5
24	Surface Topology of the Ion-Induced Vapor Nucleation Rate. Aerosol Science and Technology, 1998, 29, 547-556.	3.1	3
25	Response to comment on: â€œPhenomenological description of mobility of nm- and sub nm-sized charged aerosol particles in electric fieldâ€• Journal of Aerosol Science, 2006, 37, 115-118.	3.8	0
26	Single-wall carbon nanotubes oriented by gas flow at synthesis by aerosol CVD method as terahertz polarizers. , 2016, , .		0
27	COMPUTER SIMULATION OF FUNCTIONALIZED CARBON NANOTUBES AND GRAPHENE. Science Evolution, 2016, , 114-125.	0.1	0