

Albert G Nasibulin

List of Publications by Year in descending order

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309
papers

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26630

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316
docs citations

316
times ranked

12022
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible high-performance carbon nanotube integrated circuits. <i>Nature Nanotechnology</i> , 2011, 6, 156-161.	31.5	652
2	The role of metal nanoparticles in the catalytic production of single-walled carbon nanotubes—a review. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S3011-S3035.	1.8	416
3	Aerosol-Synthesized SWCNT Networks with Tunable Conductivity and Transparency by a Dry Transfer Technique. <i>Nano Letters</i> , 2010, 10, 4349-4355.	9.1	384
4	A novel hybrid carbon material. <i>Nature Nanotechnology</i> , 2007, 2, 156-161.	31.5	369
5	Multifunctional Free-Standing Single-Walled Carbon Nanotube Films. <i>ACS Nano</i> , 2011, 5, 3214-3221.	14.6	300
6	Single-walled carbon nanotube synthesis using ferrocene and iron pentacarbonyl in a laminar flow reactor. <i>Chemical Engineering Science</i> , 2006, 61, 4393-4402.	3.8	272
7	Single-Shell Carbon-Encapsulated Iron Nanoparticles: Synthesis and High Electrocatalytic Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4535-4538.	13.8	268
8	Modifying Native Nanocellulose Aerogels with Carbon Nanotubes for Mechanoresponsive Conductivity and Pressure Sensing. <i>Advanced Materials</i> , 2013, 25, 2428-2432.	21.0	246
9	Carbon nanotube films for ultrafast broadband technology. <i>Optics Express</i> , 2009, 17, 2358.	3.4	226
10	Correlation between catalyst particle and single-walled carbon nanotube diameters. <i>Carbon</i> , 2005, 43, 2251-2257.	10.3	219
11	Simple and rapid synthesis of Fe_2O_3 nanowires under ambient conditions. <i>Nano Research</i> , 2009, 2, 373-379.	10.4	208
12	Chiral-Selective Growth of Single-Walled Carbon Nanotubes on Lattice-Mismatched Epitaxial Cobalt Nanoparticles. <i>Scientific Reports</i> , 2013, 3, 1460.	3.3	175
13	Synthesis of Graphene Nanoribbons Encapsulated in Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2011, 11, 4352-4356.	9.1	174
14	Direct and Dry Deposited Single-Walled Carbon Nanotube Films Doped with MoO_3 as Electron-Blocking Transparent Electrodes for Flexible Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 7982-7985.	13.7	150
15	An essential role of CO_2 and H_2O during single-walled CNT synthesis from carbon monoxide. <i>Chemical Physics Letters</i> , 2006, 417, 179-184.	2.6	144
16	Mouldable all-carbon integrated circuits. <i>Nature Communications</i> , 2013, 4, 2302.	12.8	141
17	A novel aerosol method for single walled carbon nanotube synthesis. <i>Chemical Physics Letters</i> , 2005, 402, 227-232.	2.6	136
18	Carbon nanotubes and onions from carbon monoxide using $\text{Ni}(\text{acac})_2$ and $\text{Cu}(\text{acac})_2$ as catalyst precursors. <i>Carbon</i> , 2003, 41, 2711-2724.	10.3	118

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19	A novel method for metal oxide nanowire synthesis. <i>Nanotechnology</i> , 2009, 20, 165603.	2.6	110
20	A novel cement-based hybrid material. <i>New Journal of Physics</i> , 2009, 11, 023013.	2.9	108
21	Investigations of NanoBud formation. <i>Chemical Physics Letters</i> , 2007, 446, 109-114.	2.6	107
22	Hydrogenation, Purification, and Unzipping of Carbon Nanotubes by Reaction with Molecular Hydrogen: Road to Graphane Nanoribbons. <i>ACS Nano</i> , 2011, 5, 5132-5140.	14.6	106
23	A novel approach to composite preparation by direct synthesis of carbon nanomaterial on matrix or filler particles. <i>Acta Materialia</i> , 2013, 61, 1862-1871.	7.9	92
24	SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. <i>Materials Characterization</i> , 2009, 60, 735-740.	4.4	89
25	Unambiguous atomic structural determination of single-walled carbon nanotubes by electron diffraction. <i>Carbon</i> , 2007, 45, 662-667.	10.3	86
26	Assembly of Single-Walled Carbon Nanotubes on DNA Origami Templates through Streptavidin-Biotin Interaction. <i>Small</i> , 2011, 7, 746-750.	10.0	86
27	Spatially Resolved Transport Properties of Pristine and Doped Single-Walled Carbon Nanotube Networks. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13324-13330.	3.1	86
28	On-line detection of single-walled carbon nanotube formation during aerosol synthesis methods. <i>Carbon</i> , 2005, 43, 2066-2074.	10.3	83
29	Optical Properties of Graphene Nanoribbons Encapsulated in Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2013, 7, 6346-6353.	14.6	82
30	Shot Noise with Interaction Effects in Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2007, 99, 156803.	7.8	81
31	The Use of NH_3 to Promote the Production of Large-Diameter Single-Walled Carbon Nanotubes with a Narrow (n,m) Distribution. <i>Journal of the American Chemical Society</i> , 2011, 133, 1224-1227.	13.7	81
32	Transparent and flexible high-performance supercapacitors based on single-walled carbon nanotube films. <i>Nanotechnology</i> , 2016, 27, 235403.	2.6	79
33	Mechanistic investigations of single-walled carbon nanotube synthesis by ferrocene vapor decomposition in carbon monoxide. <i>Carbon</i> , 2010, 48, 380-388.	10.3	78
34	Tailoring the diameter of single-walled carbon nanotubes for optical applications. <i>Nano Research</i> , 2011, 4, 807-815.	10.4	76
35	Transparent and conductive hybrid graphene/carbon nanotube films. <i>Carbon</i> , 2016, 100, 501-507.	10.3	76
36	Effect of Carbon Nanotube Aqueous Dispersion Quality on Mechanical Properties of Cement Composite. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	2.7	75

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37	A One-Step Method of Hydrogel Modification by Single-Walled Carbon Nanotubes for Highly Stretchable and Transparent Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28069-28075.	8.0	75
38	ZnO Nanostructures Application in Electrochemistry: Influence of Morphology. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1472-1482.	3.1	71
39	Durability of different carbon nanomaterial supports with PtRu catalyst in a direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3415-3424.	7.1	69
40	Highly conductive and transparent films of HAuCl ₄ -doped single-walled carbon nanotubes for flexible applications. <i>Carbon</i> , 2018, 130, 448-457.	10.3	68
41	Controlled Hybrid Nanostructures through Protein-Mediated Noncovalent Functionalization of Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6446-6449.	13.8	67
42	Air-stable high-efficiency solar cells with dry-transferred single-walled carbon nanotube films. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11311-11318.	10.3	66
43	Maghemite nanoparticles decorated on carbon nanotubes as efficient electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5216-5222.	10.3	65
44	Selective growth of SWNTs on partially reduced monometallic cobalt catalyst. <i>Chemical Communications</i> , 2011, 47, 1219-1221.	4.1	64
45	Growth Mechanism of Single-Walled Carbon Nanotubes on Iron-Copper Catalyst and Chirality Studies by Electron Diffraction. <i>Chemistry of Materials</i> , 2012, 24, 1796-1801.	6.7	63
46	In Situ Study of Noncatalytic Metal Oxide Nanowire Growth. <i>Nano Letters</i> , 2014, 14, 5810-5813.	9.1	63
47	Analysis of the Size Distribution of Single-Walled Carbon Nanotubes Using Optical Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1143-1148.	4.6	62
48	High oxygen reduction activity of few-walled carbon nanotubes with low nitrogen content. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 233-241.	20.2	62
49	Nanoparticle Formation via Copper (II) Acetylacetonate Vapor Decomposition in the Presence of Hydrogen and Water. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11067-11075.	2.6	60
50	Ionic Liquid Gated Carbon Nanotube Saturable Absorber for Switchable Pulse Generation. <i>Nano Letters</i> , 2019, 19, 5836-5843.	9.1	60
51	A New Thermophoretic Precipitator for Collection of Nanometer-Sized Aerosol Particles. <i>Aerosol Science and Technology</i> , 2005, 39, 1064-1071.	3.1	59
52	Studies on Mechanism of Single-Walled Carbon Nanotube Formation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1233-1246.	0.9	59
53	Effect of carbon nanotube network morphology on thin film transistor performance. <i>Nano Research</i> , 2012, 5, 307-319.	10.4	59
54	Hybrid carbon source for single-walled carbon nanotube synthesis by aerosol CVD method. <i>Carbon</i> , 2014, 78, 130-136.	10.3	58

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55	Aerosol feeding of catalyst precursor for CNT synthesis and highly conductive and transparent film fabrication. <i>Chemical Engineering Journal</i> , 2014, 255, 134-140.	12.7	57
56	Uncovering the ultimate performance of single-walled carbon nanotube films as transparent conductors. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	57
57	Carbon nanotube synthesis from alcohols by a novel aerosol method. <i>Journal of Nanoparticle Research</i> , 2006, 8, 465-475.	1.9	55
58	Growth of single-walled carbon nanotubes with controlled diameters and lengths by an aerosol method. <i>Carbon</i> , 2011, 49, 4636-4643.	10.3	55
59	Photon-Drag Effect in Single-Walled Carbon Nanotube Films. <i>Nano Letters</i> , 2012, 12, 77-83.	9.1	55
60	Gas phase synthesis of non-bundled, small diameter single-walled carbon nanotubes with near-armchair chiralities. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	54
61	Machine Learning for Tailoring Optoelectronic Properties of Single-Walled Carbon Nanotube Films. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6962-6966.	4.6	54
62	Mechanically Tunable Single-Walled Carbon Nanotube Films as a Universal Material for Transparent and Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27327-27334.	8.0	52
63	Synthesis of Carbon Nanotubes and Nanofibers on Silica and Cement Matrix Materials. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-4.	2.7	50
64	Single-Walled Carbon Nanotube Thin-Film Counter Electrodes for Indium Tin Oxide-Free Plastic Dye Solar Cells. <i>Journal of the Electrochemical Society</i> , 2010, 157, B1831.	2.9	50
65	Low temperature growth of SWNTs on a nickel catalyst by thermal chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 334-342.	10.4	50
66	Carbon nanotube thin film transistors based on aerosol methods. <i>Nanotechnology</i> , 2009, 20, 085201.	2.6	45
67	Development of a Sensing Array for Human Breath Analysis Based on SWCNT Layers Functionalized with Semiconductor Organic Molecules. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000377.	7.6	44
68	Integration of single-walled carbon nanotubes into polymer films by thermo-compression. <i>Chemical Engineering Journal</i> , 2008, 136, 409-413.	12.7	43
69	Nitrogen-Doped Single-Walled Carbon Nanotube Thin Films Exhibiting Anomalous Sheet Resistances. <i>Chemistry of Materials</i> , 2011, 23, 2201-2208.	6.7	43
70	Ultrafast all-fibre laser mode-locked by polymer-free carbon nanotube film. <i>Optics Express</i> , 2016, 24, 28768.	3.4	43
71	Direct Synthesis of Carbon Nanofibers on Cement Particles. <i>Transportation Research Record</i> , 2010, 2142, 96-101.	1.9	41
72	Chirality-Dependent Reactivity of Individual Single-Walled Carbon Nanotubes. <i>Small</i> , 2013, 9, 1379-1386.	10.0	41

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73	Metallization of single-wall carbon nanotube thin films induced by gas phase iodination. Carbon, 2015, 94, 768-774.	10.3	41
74	All-nanotube stretchable supercapacitor with low equivalent series resistance. Scientific Reports, 2017, 7, 17449.	3.3	41
75	CO dissociation and CO+O reactions on a nanosized iron cluster. Nano Research, 2009, 2, 660-670.	10.4	40
76	Controlled Synthesis of Single-Walled Carbon Nanotubes in an Aerosol Reactor. Journal of Physical Chemistry C, 2011, 115, 7309-7318.	3.1	40
77	Synthesis of ZnO tetrapods for flexible and transparent UV sensors. Nanotechnology, 2012, 23, 095502.	2.6	40
78	Express determination of thickness and dielectric function of single-walled carbon nanotube films. Applied Physics Letters, 2020, 116, .	3.3	40
79	Combined Raman Spectroscopy and Transmission Electron Microscopy Studies of a NanoBud Structure. Journal of the American Chemical Society, 2008, 130, 7188-7189.	13.7	39
80	Mechanistic investigation of ZnO nanowire growth. Applied Physics Letters, 2009, 95, 183114.	3.3	38
81	Giant Negative Terahertz Photoconductivity in Controllably Doped Carbon Nanotube Networks. ACS Photonics, 2019, 6, 1058-1066.	6.6	38
82	Structure-dependent performance of single-walled carbon nanotube films in transparent and conductive applications. Carbon, 2020, 161, 712-717.	10.3	38
83	Infrared properties of randomly oriented silver nanowires. Journal of Applied Physics, 2012, 112, .	2.5	37
84	Stretchable and transparent supercapacitors based on aerosol synthesized single-walled carbon nanotube films. RSC Advances, 2016, 6, 93915-93921.	3.6	37
85	Single-walled carbon nanotube networks for ethanol vapor sensing applications. Nano Research, 2013, 6, 77-86.	10.4	36
86	Enhanced performance of a silicon microfabricated direct methanol fuel cell with PtRu catalysts supported on few-walled carbon nanotubes. Energy, 2014, 65, 612-620.	8.8	36
87	Optical properties of single-walled carbon nanotubes filled with CuCl by gas-phase technique. Physica Status Solidi (B): Basic Research, 2014, 251, 2466-2470.	1.5	36
88	Artificial neural network for predictive synthesis of single-walled carbon nanotubes by aerosol CVD method. Carbon, 2019, 153, 100-103.	10.3	36
89	Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. Journal of Physical Chemistry C, 2015, 119, 27821-27828.	3.1	34
90	Highly efficient thermophones based on freestanding single-walled carbon nanotube films. Nanoscale Horizons, 2019, 4, 1158-1163.	8.0	32

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91	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an "Electronic Olfaction" Unit. ACS Applied Materials & Interfaces, 2020, 12, 56135-56150.	8.0	32
92	Transparent Conducting Films Based on Carbon Nanotubes: Rational Design toward the Theoretical Limit. Advanced Science, 2022, 9, .	11.2	32
93	Quasi-2D Co ₃ O ₄ nanoflakes as an efficient gas sensor <i>versus</i> alcohol VOCs. Journal of Materials Chemistry A, 2020, 8, 7214-7228.	10.3	31
94	Direct synthesis of carbon nanofibers on the surface of copper powder. Carbon, 2010, 48, 4559-4562.	10.3	30
95	In Situ TEM Observation of MgO Nanorod Growth. Crystal Growth and Design, 2010, 10, 414-417.	3.0	30
96	Nonlinear optical properties of carbon nanotube hybrids in polymer dispersions. Materials Chemistry and Physics, 2012, 133, 992-997.	4.0	30
97	A Novel Method for Continuous Synthesis of ZnO Tetrapods. Journal of Physical Chemistry C, 2015, 119, 16366-16373.	3.1	30
98	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. ACS Energy Letters, 2017, 2, 2752-2755.	17.4	30
99	A spark discharge generator for scalable aerosol CVD synthesis of single-walled carbon nanotubes with tailored characteristics. Chemical Engineering Journal, 2019, 372, 462-470.	12.7	30
100	<i>In vitro</i> toxicity of carbon nanotubes: a systematic review. RSC Advances, 2022, 12, 16235-16256.	3.6	30
101	Holey single-walled carbon nanotubes for ultra-fast broadband bolometers. Nanoscale, 2018, 10, 18665-18671.	5.6	29
102	Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes. Nano Energy, 2020, 67, 104183.	16.0	29
103	Coronene Encapsulation in Single-Walled Carbon Nanotubes: Stacked Columns, Peapods, and Nanoribbons. ChemPhysChem, 2014, 15, 1660-1665.	2.1	28
104	Bismuth-doped fiber laser at 132 1/4 m mode-locked by single-walled carbon nanotubes. Optics Express, 2018, 26, 23911.	3.4	28
105	Incorporation of Vanadium(V) Oxide in Hybrid Hole Transport Layer Enables Long-term Operational Stability of Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2020, 11, 5563-5568.	4.6	28
106	Detecting cooking state of grilled chicken by electronic nose and computer vision techniques. Food Chemistry, 2021, 345, 128747.	8.2	28
107	Nanoparticle Synthesis by Copper (II) Acetylacetonate Vapor Decomposition in the Presence of Oxygen. Aerosol Science and Technology, 2002, 36, 899-911.	3.1	27
108	Flexible optically transparent single-walled carbon nanotube electrodes for UV-Vis absorption spectroelectrochemistry. Electrochemistry Communications, 2009, 11, 442-445.	4.7	27

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109	Modified silicone rubber for fabrication and contacting of flexible suspended membranes of n-/p-GaP nanowires with a single-walled carbon nanotube transparent contact. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3764-3772.	5.5	27
110	CVD synthesis and radial deformations of large diameter single-walled CNTs. <i>Current Applied Physics</i> , 2009, 9, 301-305.	2.4	26
111	Gas-Phase Synthesis and Control of Structure and Thickness of Graphene Layers on Copper Substrates. <i>Metal Science and Heat Treatment</i> , 2016, 58, 40-45.	0.6	26
112	Charging of Aerosol Products during Ferrocene Vapor Decomposition in N ₂ and CO Atmospheres. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5762-5769.	3.1	24
113	Flexible metal-free counter electrode for dye solar cells based on conductive polymer and carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 683, 70-74.	3.8	24
114	Influence of nanotube length and density on the plasmonic terahertz response of single-walled carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 014003.	2.8	24
115	Flexible self-powered piezo-supercapacitor system for wearable electronics. <i>Nanotechnology</i> , 2018, 29, 325501.	2.6	24
116	Comparison of dye solar cell counter electrodes based on different carbon nanostructures. <i>Thin Solid Films</i> , 2011, 519, 8125-8134.	1.8	23
117	Synthesis of Carbon Nanofibers on the Surface of Particles of Aluminum Powder. <i>Metal Science and Heat Treatment</i> , 2014, 55, 564-568.	0.6	23
118	A few-layered graphene on alumina nanofibers for electrochemical energy conversion. <i>Carbon</i> , 2015, 88, 157-164.	10.3	23
119	Flexible and Mechanically Durable Asymmetric Supercapacitor Based on NiCo Layered Double Hydroxide and Nitrogen-Doped Graphene Using a Simple Fabrication Method. <i>Energy Technology</i> , 2019, 7, 1801002.	3.8	23
120	Incremental Variation in the Number of Carbon Nanotube Walls with Growth Temperature. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2212-2218.	3.1	22
121	Temperature Dependent Raman Spectra of Carbon Nanobuds. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13540-13545.	3.1	22
122	Atomic Layer Deposition of Aluminum Oxide Films for Carbon Nanotube Network Transistor Passivation. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8818-8825.	0.9	22
123	Application of WSe ₂ Nanoparticles Synthesized by Chemical Vapor Condensation Method for Li-Ion Battery Anodes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1429-1437.	2.8	22
124	A novel straightforward wet pulling technique to fabricate carbon nanotube fibers. <i>Carbon</i> , 2019, 150, 69-75.	10.3	22
125	The Ti wire functionalized with inherent TiO ₂ nanotubes by anodization as one-electrode gas sensor: A proof-of-concept study. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127615.	7.8	22
126	Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. <i>Carbon</i> , 2021, 173, 245-252.	10.3	22

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127	Robust Bessel-function-based method for determination of the(n,m)indices of single-walled carbon nanotubes by electron diffraction. <i>Physical Review B</i> , 2006, 74, .	3.2	21
128	High-yield of memory elements from carbon nanotube field-effect transistors with atomic layer deposited gate dielectric. <i>New Journal of Physics</i> , 2008, 10, 103019.	2.9	21
129	Lithography-free fabrication of carbon nanotube network transistors. <i>Nanotechnology</i> , 2011, 22, 065303.	2.6	21
130	Highly catalytic carbon nanotube counter electrode on plastic for dye solar cells utilizing cobalt-based redox mediator. <i>Electrochimica Acta</i> , 2013, 111, 206-209.	5.2	21
131	Hydrogen-Driven Cage Unzipping of C ₆₀ into Nano-Graphenes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6504-6513.	3.1	21
132	Residence time effect on single-walled carbon nanotube synthesis in an aerosol CVD reactor. <i>Chemical Engineering Journal</i> , 2021, 420, 129869.	12.7	21
133	Single-Walled Carbon Nanotube Thin Film for Flexible and Highly Responsive Perovskite Photodetector. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	21
134	Flexible supercapacitors based on free-standing polyaniline/single-walled carbon nanotube films. <i>Journal of Power Sources</i> , 2022, 541, 231691.	7.8	21
135	Spontaneous Charging of Single-Walled Carbon Nanotubes: A Novel Strategy for the Selective Substrate Deposition of Individual Tubes at Ambient Temperature. <i>Chemistry of Materials</i> , 2006, 18, 5052-5057.	6.7	20
136	Ion-Induced Nucleation of Dibutyl Phthalate Vapors on Spherical and Nonspherical Singly and Multiply Charged Polyethylene Glycol Ions. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1133-1138.	2.5	20
137	Electrical behaviour of native cellulose nanofibril/carbon nanotube hybrid aerogels under cyclic compression. <i>RSC Advances</i> , 2016, 6, 89051-89056.	3.6	20
138	Aerosol-Assisted Fine-Tuning of Optoelectrical Properties of SWCNT Films. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3961-3965.	4.6	20
139	Intersubband plasmon excitations in doped carbon nanotubes. <i>Physical Review B</i> , 2019, 99, .	3.2	20
140	Fine-tuning of spark-discharge aerosol CVD reactor for single-walled carbon nanotube growth: The role of ex situ nucleation. <i>Chemical Engineering Journal</i> , 2020, 383, 123073.	12.7	20
141	Joint effect of ethylene and toluene on carbon nanotube growth. <i>Carbon</i> , 2022, 189, 474-483.	10.3	20
142	Nitrogen-doped SWCNT synthesis using ammonia and carbon monoxide. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2726-2729.	1.5	19
143	Influence of the diameter of single-walled carbon nanotube bundles on the optoelectronic performance of dry-deposited thin films. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 692-702.	2.8	19
144	Electrochemical enhancement of optoelectronic performance of transparent and conducting single-walled carbon nanotube films. <i>Carbon</i> , 2020, 167, 244-248.	10.3	19

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145	Rapid, efficient, and non-destructive purification of single-walled carbon nanotube films from metallic impurities by Joule heating. <i>Carbon</i> , 2020, 168, 193-200.	10.3	19
146	Activation of catalyst particles for single-walled carbon nanotube synthesis. <i>Chemical Engineering Journal</i> , 2021, 413, 127475.	12.7	19
147	Multifunctional Elastic Nanocomposites with Extremely Low Concentrations of Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18866-18876.	8.0	19
148	Flexible light-emitting electrochemical cells with single-walled carbon nanotube anodes. <i>Organic Electronics</i> , 2016, 30, 36-39.	2.6	18
149	Terahertz-infrared electrodynamics of single-wall carbon nanotube films. <i>Nanotechnology</i> , 2017, 28, 445204.	2.6	18
150	Zero-phonon lines in the photoluminescence spectra of MgO:Mn ²⁺ +nanocrystals. <i>Physical Review B</i> , 2003, 68, .	3.2	17
151	Novel catalyst particle production method for CVD growth of single- and double-walled carbon nanotubes. <i>Carbon</i> , 2006, 44, 1604-1608.	10.3	17
152	Femtosecond Four-Wave-Mixing Spectroscopy of Suspended Individual Semiconducting Single-Walled Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 6780-6786.	14.6	17
153	Highly efficient bilateral doping of single-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4514-4521.	5.5	17
154	Investigations of mechanism of carbon nanotube growth. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3095-3100.	1.5	16
155	Thermoacoustic sound projector: exceeding the fundamental efficiency of carbon nanotubes. <i>Nanotechnology</i> , 2018, 29, 325704.	2.6	16
156	Field Emission Properties of Metal Oxide Nanowires. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012, 7, 35-40.	0.5	16
157	CO Disproportionation on a Nanosized Iron Cluster. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12939-12942.	3.1	15
158	A comparative study of field emission from NanoBuds, nanographite and pure or N-doped single-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3051-3054.	1.5	15
159	Mechanism of the initial stages of nitrogen-doped single-walled carbon nanotube growth. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11303.	2.8	15
160	Measurement of optical second-harmonic generation from an individual single-walled carbon nanotube. <i>New Journal of Physics</i> , 2013, 15, 083043.	2.9	15
161	Single-walled carbon nanotubes as a template for coronene stack formation. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2372-2377.	1.5	15
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