

Albert G Nasibulin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

282
papers

9,274
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51
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316
ext. papers

10,417
ext. citations

6
avg, IF

5.93
L-index

#	Paper	IF	Citations
282	Flexible high-performance carbon nanotube integrated circuits. <i>Nature Nanotechnology</i> , 2011 , 6, 156-61	28.7	581
281	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	367
280	A novel hybrid carbon material. <i>Nature Nanotechnology</i> , 2007 , 2, 156-61	28.7	326
279	Aerosol-synthesized SWCNT networks with tunable conductivity and transparency by a dry transfer technique. <i>Nano Letters</i> , 2010 , 10, 4349-55	11.5	315
278	Multifunctional free-standing single-walled carbon nanotube films. <i>ACS Nano</i> , 2011 , 5, 3214-21	16.7	251
277	Single-shell carbon-encapsulated iron nanoparticles: synthesis and high electrocatalytic activity for hydrogen evolution reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4535-8	16.4	238
276	Single-walled carbon nanotube synthesis using ferrocene and iron pentacarbonyl in a laminar flow reactor. <i>Chemical Engineering Science</i> , 2006 , 61, 4393-4402	4.4	234
275	Modifying native nanocellulose aerogels with carbon nanotubes for mechanoresponsive conductivity and pressure sensing. <i>Advanced Materials</i> , 2013 , 25, 2428-32	24	217
274	Correlation between catalyst particle and single-walled carbon nanotube diameters. <i>Carbon</i> , 2005 , 43, 2251-2257	10.4	204
273	Carbon nanotube films for ultrafast broadband technology. <i>Optics Express</i> , 2009 , 17, 2358-63	3.3	197
272	Simple and rapid synthesis of Fe ₂ O ₃ nanowires under ambient conditions. <i>Nano Research</i> , 2009 , 2, 373-379	10	191
271	Chiral-selective growth of single-walled carbon nanotubes on lattice-mismatched epitaxial cobalt nanoparticles. <i>Scientific Reports</i> , 2013 , 3, 1460	4.9	149
270	Synthesis of graphene nanoribbons encapsulated in single-walled carbon nanotubes. <i>Nano Letters</i> , 2011 , 11, 4352-6	11.5	148
269	An essential role of CO ₂ and H ₂ O during single-walled CNT synthesis from carbon monoxide. <i>Chemical Physics Letters</i> , 2006 , 417, 179-184	2.5	128
268	Direct and Dry Deposited Single-Walled Carbon Nanotube Films Doped with MoO(x) as Electron-Blocking Transparent Electrodes for Flexible Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7982-5	16.4	126
267	Mouldable all-carbon integrated circuits. <i>Nature Communications</i> , 2013 , 4, 2302	17.4	122
266	A novel aerosol method for single walled carbon nanotube synthesis. <i>Chemical Physics Letters</i> , 2005 , 402, 227-232	2.5	114

265	Carbon nanotubes and onions from carbon monoxide using Ni(acac) ₂ and Cu(acac) ₂ as catalyst precursors. <i>Carbon</i> , 2003 , 41, 2711-2724	10.4	107
264	A novel method for metal oxide nanowire synthesis. <i>Nanotechnology</i> , 2009 , 20, 165603	3.4	99
263	Hydrogenation, purification, and unzipping of carbon nanotubes by reaction with molecular hydrogen: road to graphane nanoribbons. <i>ACS Nano</i> , 2011 , 5, 5132-40	16.7	97
262	A novel cement-based hybrid material. <i>New Journal of Physics</i> , 2009 , 11, 023013	2.9	90
261	Investigations of NanoBud formation. <i>Chemical Physics Letters</i> , 2007 , 446, 109-114	2.5	88
260	Assembly of single-walled carbon nanotubes on DNA-origami templates through streptavidin-biotin interaction. <i>Small</i> , 2011 , 7, 746-50	11	78
259	Spatially Resolved Transport Properties of Pristine and Doped Single-Walled Carbon Nanotube Networks. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13324-13330	3.8	77
258	Unambiguous atomic structural determination of single-walled carbon nanotubes by electron diffraction. <i>Carbon</i> , 2007 , 45, 662-667	10.4	76
257	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	8.4	75
256	On-line detection of single-walled carbon nanotube formation during aerosol synthesis methods. <i>Carbon</i> , 2005 , 43, 2066-2074	10.4	74
255	Optical properties of graphene nanoribbons encapsulated in single-walled carbon nanotubes. <i>ACS Nano</i> , 2013 , 7, 6346-53	16.7	72
254	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, 1224-7	16.4	70
253	Mechanistic investigations of single-walled carbon nanotube synthesis by ferrocene vapor decomposition in carbon monoxide. <i>Carbon</i> , 2010 , 48, 380-388	10.4	70
252	Tailoring the diameter of single-walled carbon nanotubes for optical applications. <i>Nano Research</i> , 2011 , 4, 807-815	10	67
251	SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. <i>Materials Characterization</i> , 2009 , 60, 735-740	3.9	67
250	Controlled hybrid nanostructures through protein-mediated noncovalent functionalization of carbon nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6446-9	16.4	65
249	Shot noise with interaction effects in single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 99, 156803	7.4	64
248	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	6.7	62

247	Transparent and conductive hybrid graphene/carbon nanotube films. <i>Carbon</i> , 2016 , 100, 501-507	10.4	60
246	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	13	59
245	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	9.6	59
244	Selective growth of SWNTs on partially reduced monometallic cobalt catalyst. <i>Chemical Communications</i> , 2011 , 47, 1219-21	5.8	59
243	Transparent and flexible high-performance supercapacitors based on single-walled carbon nanotube films. <i>Nanotechnology</i> , 2016 , 27, 235403	3.4	59
242	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	3.4	58
241	High oxygen reduction activity of few-walled carbon nanotubes with low nitrogen content. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 233-241	21.8	56
240	Effect of Carbon Nanotube Aqueous Dispersion Quality on Mechanical Properties of Cement Composite. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-6	3.2	56
239	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	13	55
238	Single-Shell Carbon-Encapsulated Iron Nanoparticles: Synthesis and High Electrocatalytic Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 4618-4621	3.6	54
237	Effect of carbon nanotube network morphology on thin film transistor performance. <i>Nano Research</i> , 2012 , 5, 307-319	10	53
236	Studies on mechanism of single-walled carbon nanotube formation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1233-46	1.3	53
235	A New Thermophoretic Precipitator for Collection of Nanometer-Sized Aerosol Particles. <i>Aerosol Science and Technology</i> , 2005 , 39, 1064-1071	3.4	53
234	Highly conductive and transparent films of H ₂ AuCl ₄ -doped single-walled carbon nanotubes for flexible applications. <i>Carbon</i> , 2018 , 130, 448-457	10.4	52
233	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	9.5	52
232	Aerosol feeding of catalyst precursor for CNT synthesis and highly conductive and transparent film fabrication. <i>Chemical Engineering Journal</i> , 2014 , 255, 134-140	14.7	51
231	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	6.4	51
230	Carbon nanotube synthesis from alcohols by a novel aerosol method. <i>Journal of Nanoparticle Research</i> , 2006 , 8, 465-475	2.3	49

229	Gas phase synthesis of non-bundled, small diameter single-walled carbon nanotubes with near-armchair chiralities. <i>Applied Physics Letters</i> , 2015 , 107, 013106	3.4	48
228	In situ study of noncatalytic metal oxide nanowire growth. <i>Nano Letters</i> , 2014 , 14, 5810-3	11.5	48
227	Uncovering the ultimate performance of single-walled carbon nanotube films as transparent conductors. <i>Applied Physics Letters</i> , 2015 , 107, 143113	3.4	48
226	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	3.9	47
225	Growth of single-walled carbon nanotubes with controlled diameters and lengths by an aerosol method. <i>Carbon</i> , 2011 , 49, 4636-4643	10.4	47
224	Photon-drag effect in single-walled carbon nanotube films. <i>Nano Letters</i> , 2012 , 12, 77-83	11.5	46
223	Hybrid carbon source for single-walled carbon nanotube synthesis by aerosol CVD method. <i>Carbon</i> , 2014 , 78, 130-136	10.4	44
222	Nitrogen-Doped Single-Walled Carbon Nanotube Thin Films Exhibiting Anomalous Sheet Resistances. <i>Chemistry of Materials</i> , 2011 , 23, 2201-2208	9.6	41
221	Carbon nanotube thin film transistors based on aerosol methods. <i>Nanotechnology</i> , 2009 , 20, 085201	3.4	40
220	Low temperature growth of SWNTs on a nickel catalyst by thermal chemical vapor deposition. <i>Nano Research</i> , 2011 , 4, 334-342	10	39
219	Synthesis of Carbon Nanotubes and Nanofibers on Silica and Cement Matrix Materials. <i>Journal of Nanomaterials</i> , 2009 , 2009, 1-4	3.2	37
218	Integration of single-walled carbon nanotubes into polymer films by thermo-compression. <i>Chemical Engineering Journal</i> , 2008 , 136, 409-413	14.7	37
217	Synthesis of ZnO tetrapods for flexible and transparent UV sensors. <i>Nanotechnology</i> , 2012 , 23, 095502	3.4	36
216	CO dissociation and CO+O reactions on a nanosized iron cluster. <i>Nano Research</i> , 2009 , 2, 660-670	10	36
215	Enhanced performance of a silicon microfabricated direct methanol fuel cell with PtRu catalysts supported on few-walled carbon nanotubes. <i>Energy</i> , 2014 , 65, 612-620	7.9	35
214	Direct Synthesis of Carbon Nanofibers on Cement Particles. <i>Transportation Research Record</i> , 2010 , 2142, 96-101	1.7	35
213	Ultrafast all-fibre laser mode-locked by polymer-free carbon nanotube film. <i>Optics Express</i> , 2016 , 24, 28768-28773	3.3	35
212	Metallization of single-wall carbon nanotube thin films induced by gas phase iodination. <i>Carbon</i> , 2015 , 94, 768-774	10.4	34

211	Ionic Liquid Gated Carbon Nanotube Saturable Absorber for Switchable Pulse Generation. <i>Nano Letters</i> , 2019 , 19, 5836-5843	11.5	34
210	Mechanistic investigation of ZnO nanowire growth. <i>Applied Physics Letters</i> , 2009 , 95, 183114	3.4	34
209	Combined Raman spectroscopy and transmission electron microscopy studies of a NanoBud structure. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7188-9	16.4	34
208	Chirality-dependent reactivity of individual single-walled carbon nanotubes. <i>Small</i> , 2013 , 9, 1379-86	11	33
207	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	9.5	32
206	Single-walled carbon nanotube networks for ethanol vapor sensing applications. <i>Nano Research</i> , 2013 , 6, 77-86	10	31
205	Infrared properties of randomly oriented silver nanowires. <i>Journal of Applied Physics</i> , 2012 , 112, 083503	2.5	31
204	Stretchable and transparent supercapacitors based on aerosol synthesized single-walled carbon nanotube films. <i>RSC Advances</i> , 2016 , 6, 93915-93921	3.7	31
203	All-nanotube stretchable supercapacitor with low equivalent series resistance. <i>Scientific Reports</i> , 2017 , 7, 17449	4.9	30
202	Controlled Synthesis of Single-Walled Carbon Nanotubes in an Aerosol Reactor. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7309-7318	3.8	30
201	Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27821-27828	3.8	29
200	Machine Learning for Tailoring Optoelectronic Properties of Single-Walled Carbon Nanotube Films. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6962-6966	6.4	29
199	In Situ TEM Observation of MgO Nanorod Growth. <i>Crystal Growth and Design</i> , 2010 , 10, 414-417	3.5	29
198	Giant Negative Terahertz Photoconductivity in Controllably Doped Carbon Nanotube Networks. <i>ACS Photonics</i> , 2019 , 6, 1058-1066	6.3	26
197	Nonlinear optical properties of carbon nanotube hybrids in polymer dispersions. <i>Materials Chemistry and Physics</i> , 2012 , 133, 992-997	4.4	25
196	Direct synthesis of carbon nanofibers on the surface of copper powder. <i>Carbon</i> , 2010 , 48, 4559-4562	10.4	25
195	Nanoparticle Synthesis by Copper (II) Acetylacetonate Vapor Decomposition in the Presence of Oxygen. <i>Aerosol Science and Technology</i> , 2002 , 36, 899-911	3.4	25
194	Coronene encapsulation in single-walled carbon nanotubes: stacked columns, peapods, and nanoribbons. <i>ChemPhysChem</i> , 2014 , 15, 1660-5	3.2	24

193	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. <i>ACS Energy Letters</i> , 2017 , 2, 2752-2755	20.1	24
192	Flexible optically transparent single-walled carbon nanotube electrodes for UV-vis absorption spectroelectrochemistry. <i>Electrochemistry Communications</i> , 2009 , 11, 442-445	5.1	24
191	CVD synthesis and radial deformations of large diameter single-walled CNTs. <i>Current Applied Physics</i> , 2009 , 9, 301-305	2.6	24
190	Comparison of dye solar cell counter electrodes based on different carbon nanostructures. <i>Thin Solid Films</i> , 2011 , 519, 8125-8134	2.2	23
189	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	23
188	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	10.1	22
187	Artificial neural network for predictive synthesis of single-walled carbon nanotubes by aerosol CVD method. <i>Carbon</i> , 2019 , 153, 100-103	10.4	22
186	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	22
185	Incremental Variation in the Number of Carbon Nanotube Walls with Growth Temperature. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2212-2218	3.8	22
184	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	3.8	22
183	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	4.1	21
182	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,	3.3	21
181	ZnO Nanostructures Application in Electrochemistry: Influence of Morphology. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1472-1482	3.8	21
180	Highly efficient thermophones based on freestanding single-walled carbon nanotube films. <i>Nanoscale Horizons</i> , 2019 , 4, 1158-1163	10.8	20
179	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	3.1	20
178	Optical properties of single-walled carbon nanotubes filled with CuCl by gas-phase technique. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2466-2470	1.3	20
177	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	6.7	20
176	Temperature Dependent Raman Spectra of Carbon Nanobuds. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13540-13545	3.8	20

175	Atomic layer deposition of aluminum oxide films for carbon nanotube network transistor passivation. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 8818-25	1.3	20
174	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	20
173	Rational design of highly efficient flexible and transparent p-type composite electrode based on single-walled carbon nanotubes. <i>Nano Energy</i> , 2020 , 67, 104183	17.1	20
172	A spark discharge generator for scalable aerosol CVD synthesis of single-walled carbon nanotubes with tailored characteristics. <i>Chemical Engineering Journal</i> , 2019 , 372, 462-470	14.7	19
171	Hydrogen-Driven Cage Unzipping of C into Nano-Graphenes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6504-6513	3.8	19
170	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 ¹⁹	9.6	19
169	A few-layered graphene on alumina nanofibers for electrochemical energy conversion. <i>Carbon</i> , 2015 , 88, 157-164	10.4	18
168	A Novel Method for Continuous Synthesis of ZnO Tetrapods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16366-16373	3.8	18
167	Structure-dependent performance of single-walled carbon nanotube films in transparent and conductive applications. <i>Carbon</i> , 2020 , 161, 712-717	10.4	18
166	Lithography-free fabrication of carbon nanotube network transistors. <i>Nanotechnology</i> , 2011 , 22, 065303 _{3,4}	3.4	18
165	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	3	18
164	Bismuth-doped fiber laser at 1.32 μm mode-locked by single-walled carbon nanotubes. <i>Optics Express</i> , 2018 , 26, 23911-23917	3.3	18
163	Flexible light-emitting electrochemical cells with single-walled carbon nanotube anodes. <i>Organic Electronics</i> , 2016 , 30, 36-39	3.5	17
162	Femtosecond four-wave-mixing spectroscopy of suspended individual semiconducting single-walled carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 6780-6	16.7	17
161	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, 1133-8	2.8	17
160	Electrical behaviour of native cellulose nanofibril/carbon nanotube hybrid aerogels under cyclic compression. <i>RSC Advances</i> , 2016 , 6, 89051-89056	3.7	17
159	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	3.5	17
158	Flexible self-powered piezo-supercapacitor system for wearable electronics. <i>Nanotechnology</i> , 2018 , 29, 325501	3.4	17

157	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	3	16
156	Investigations of mechanism of carbon nanotube growth. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3095-3100	1.3	16
155	Novel catalyst particle production method for CVD growth of single- and double-walled carbon nanotubes. <i>Carbon</i> , 2006 , 44, 1604-1608	10.4	16
154	A novel straightforward wet pulling technique to fabricate carbon nanotube fibers. <i>Carbon</i> , 2019 , 150, 69-75	10.4	15
153	Intersubband plasmon excitations in doped carbon nanotubes. <i>Physical Review B</i> , 2019 , 99,	3.3	15
152	Express determination of thickness and dielectric function of single-walled carbon nanotube films. <i>Applied Physics Letters</i> , 2020 , 116, 231103	3.4	15
151	Nitrogen-doped SWCNT synthesis using ammonia and carbon monoxide. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2726-2729	1.3	15
150	Zero-phonon lines in the photoluminescence spectra of MgO:Mn ²⁺ nanocrystals. <i>Physical Review B</i> , 2003 , 68,	3.3	15
149	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	7.1	15
148	Holey single-walled carbon nanotubes for ultra-fast broadband bolometers. <i>Nanoscale</i> , 2018 , 10, 18665-18671	7.7	15
147	Quasi-2D Co ₃ O ₄ nanoflakes as an efficient gas sensor versus alcohol VOCs. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7214-7228	13	14
146	Fabrication of a compacted aluminum-carbon nanofiber material by hot pressing. <i>Technical Physics</i> , 2014 , 59, 1626-1630	0.5	14
145	Mechanism of the initial stages of nitrogen-doped single-walled carbon nanotube growth. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11303-7	3.6	14
144	High quality SWCNT synthesis in the presence of NH ₃ using a vertical flow aerosol reactor. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2507-2510	1.3	14
143	Novel carbon nanotube network deposition technique for electronic device fabrication. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2272-2275	1.3	14
142	Single-walled carbon nanotubes as a template for coronene stack formation. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2372-2377	1.3	13
141	A reference material of single-walled carbon nanotubes: quantitative chirality assessment using optical absorption spectroscopy. <i>RSC Advances</i> , 2015 , 5, 102974-102980	3.7	13
140	CO Disproportionation on a Nanosized Iron Cluster. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12939-12942	3.42	13

139	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	1.3	13
138	CVD Synthesis of Hierarchical 3D MWCNT/Carbon-Fiber Nanostructures. <i>Journal of Nanomaterials</i> , 2008 , 2008, 1-7	3.2	13
137	TEM Imaging of Mass-selected Polymer Molecules. <i>Journal of Nanoparticle Research</i> , 2002 , 4, 449-453	2.3	13
136	Thermoacoustic sound projector: exceeding the fundamental efficiency of carbon nanotubes. <i>Nanotechnology</i> , 2018 , 29, 325704	3.4	13
135	Aerosol-Assisted Fine-Tuning of Optoelectrical Properties of SWCNT Films. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3961-3965	6.4	12
134	Incorporation of Vanadium(V) Oxide in Hybrid Hole Transport Layer Enables Long-term Operational Stability of Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5563-5568	6.4	12
133	Performance and early applications of a versatile double aberration-corrected JEOL-2200FS FEG TEM/STEM at Aalto University. <i>Micron</i> , 2012 , 43, 545-550	2.3	12
132	Terahertz-infrared electrodynamics of single-wall carbon nanotube films. <i>Nanotechnology</i> , 2017 , 28, 445204	3.4	12
131	The local study of a nanoBud structure. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2047-2050	1.3	12
130	Field Emission Properties of Metal Oxide Nanowires. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012 , 7, 35-40	1.3	12
129	Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. <i>Carbon</i> , 2021 , 173, 245-252	10.4	12
128	Carbon nanotube film replacing silver in high-efficiency solid-state dye solar cells employing polymer hole conductor. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3139-3144	2.6	11
127	Midinfrared Surface Plasmons in Carbon Nanotube Plasmonic Metasurface. <i>Physical Review Applied</i> , 2018 , 9,	4.3	11
126	Enhanced efficiency of hybrid amorphous silicon solar cells based on single-walled carbon nanotubes and polymer composite thin film. <i>Nanotechnology</i> , 2018 , 29, 105404	3.4	11
125	Photophysical and photochemical effects in ultrafast laser patterning of CVD graphene. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 41LT01	3	11
124	Determination of helicities in unidirectional assemblies of graphitic or graphiticlike tubular structures. <i>Applied Physics Letters</i> , 2008 , 93, 141903	3.4	11
123	Scanning Anode Field Emission Microscopy of Nanocarbons. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013 , 8, 114-118	1.3	11
122	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	8.5	11

121	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an "Electronic Olfaction" Unit. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56135-56150	9.5	11
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