Wolfgang K Maser

List of Publications by Year
in descending order

187	9,949	46918 47	37111 96
papers	citations	h-index	g-index

193	193	193	10914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large-scale production of single-walled carbon nanotubes by the electric-arc technique. Nature, 1997, 388, 756-758.	13.7	2,556
2	Synthesis of a new polyaniline/nanotube composite: â€œin-situâ€•polymerisation and charge transfer through site-selective interaction. Chemical Communications, 2001, , 1450-1451.	2.2	457
3	Sensitivity of single wall carbon nanotubes to oxidative processing: structural modification, intercalation and functionalisation. Carbon, 2003, 41, 2247-2256.	5.4	333
4	Supramolecular-Enhanced Charge Transfer within Entangled Polyamide Chains as the Origin of the Universal Blue Fluorescence of Polymer Carbon Dots. Journal of the American Chemical Society, 2018, 140, 12862-12869.	6.6	242
5	Improving the mechanical properties of graphene oxide based materials by covalent attachment of polymer chains. Carbon, 2013, 52, 363-371.	5.4	232
6	Production of high-density single-walled nanotube material by a simple laser-ablation method. Chemical Physics Letters, 1998, 292, 587-593.	1.2	228
7	Flexible conductive graphene paper obtained by direct and gentle annealing of graphene oxide paper. Carbon, 2012, 50, 835-844.	5.4	204
8	Carbon nanotubes: The solar approach. Carbon, 1998, 36, 685-688.	5.4	184
9	Hydrogen sensors based on carbon nanotubes thin films. Synthetic Metals, 2005, 148, 15-19.	2.1	183
10	Soluble Self-Aligned Carbon Nanotube/Polyaniline Composites. Advanced Materials, 2005, 17, 278-281.	11.1	171
11	Hydrogen adsorption studies on single wall carbon nanotubes. Carbon, 2004, 42, 1243-1248.	5.4	154
12	Graphene-based potentiometric biosensor for the immediate detection of living bacteria. Biosensors and Bioelectronics, 2014, 54, 553-557.	5.3	147
13	Hydrogen Capacity of Palladium-Loaded Carbon Materials. Journal of Physical Chemistry B, 2006, 110, 6643-6648.	1.2	138
14	Single-Walled Carbon Nanotubes as Electrodes in Supercapacitors. Journal of the Electrochemical Society, 2004, 151, A831.	1.3	118
15	Carbon nanotube networks as gas sensors for NO2 detection. Talanta, 2008, 77, 758-764.	2.9	117
16	Porosity, Surface Area, Surface Energy, and Hydrogen Adsorption in Nanostructured Carbons. Journal of Physical Chemistry B, 2004, 108, 15820-15826.	1.2	112
17	Carbon nanotubes for reinforcement of plastics? A case study with poly(vinyl alcohol). Composites Science and Technology, 2007, 67, 1640-1649.	3.8	110
18	Diameter distribution of single wall carbon nanotubes in nanobundles. European Physical Journal B, 2000, 18, 201-205.	0.6	109

#	Article	IF	Citations
19	A novel amperometric biosensor based on gold nanoparticles anchored on reduced graphene oxide for sensitive detection of l-lactate tumor biomarker. Biosensors and Bioelectronics, 2015, 69, 280-286.	5.3	107
20	Synthesis and characterization of new polyaniline/nanotube composites. Materials Science and Engineering C, 2003, 23, 87-91.	3.8	105
21	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. Journal of Physical Chemistry C, 2011, 115, 10468-10474.	1.5	104
22	The effect of gamma-irradiation on few-layered graphene materials. Applied Surface Science, 2014, 301, 264-272.	3.1	104
23	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. Journal of Physical Chemistry C, 2012, 116, 22570-22578.	1.5	103
24	Modifications of single-wall carbon nanotubes upon oxidative purification treatments. Nanotechnology, 2003, 14, 691-695.	1.3	102
25	Novel selective sensors based on carbon nanotube films for hydrogen detection. Sensors and Actuators B: Chemical, 2007, 122, 75-80.	4.0	99
26	A soluble and highly functional polyanilineâ€“carbon nanotube composite. Nanotechnology, 2005, 16, S150-S154.	1.3	94
27	Raman studies on single walled carbon nanotubes produced by the electric arc technique. Carbon, 1998, 36, 705-708.	5.4	83
28	The effect of the thermal reduction temperature on the structure and sorption capacity of reduced graphene oxide materials. Applied Surface Science, 2016, 361, 213-220.	3.1	78
29	Raman characterization of singlewalled carbon nanotubes and PMMA-nanotubes composites. Synthetic Metals, 1999, 103, 2510-2512.	2.1	71
30	Carbon nanotube Y junctions: growth and properties. Diamond and Related Materials, 2004, 13, 241-249.	1.8	69
31	Integration and bioactivity of hydroxyapatite grown on carbon nanotubes and graphene oxide. Carbon, 2014, 79, 590-604.	5.4	69
32	Control of the microstructure and surface chemistry of graphene aerogels via pH and time manipulation by a hydrothermal method. Nanoscale, 2018, 10, 3526-3539.	2.8	68
33	Revisiting Graphene Oxide Chemistry via Spatially-Resolved Electron Energy Loss Spectroscopy. Chemistry of Materials, 2016, 28, 3741-3748.	3.2	67
34	Microwave single walled carbon nanotubes purification. Chemical Communications, 2002, , 1000-1001.	2.2	65
35	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. Carbon, 2008, 46, 1909-1917.	5.4	64
36	Carbon Nanotube Effect on Polyaniline Morphology in Water Dispersible Composites. Journal of Physical Chemistry B, 2010, 114, 1579-1585.	1.2	64

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37	Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. Macromolecules, 2006, 39, 7324-7332.	2.2	63
38	Gas and pressure effects on the production of single-walled carbon nanotubes by laser ablation. Carbon, 2000, 38, 1445-1451.	5.4	61
39	Covalent functionalization of MWCNTs with poly(p-phenylene sulphide) oligomers: a route to the efficient integration through a chemical approach. Journal of Materials Chemistry, 2012, 22, 21285.	6.7	58
40	Production of carbon nanotubes: the light approach. Carbon, 2002, 40, 1685-1695.	5.4	56
41	The effect of ultra-thin graphite on the morphology and physical properties of thermoplastic polyurethane elastomer composites. Composites Science and Technology, 2012, 72, 1595-1601.	3.8	55
42	Environmental impact of the production of graphene oxide and reduced graphene oxide. SN Applied Sciences, 2019, 1, 1.	1.5	55
43	Steady state photoconductive response of C60/C70 films. Solid State Communications, 1992, 81, 261-264.	0.9	54
44	One-step microwave synthesis of palladiumâ€“carbon nanotube hybrids with improved catalytic performance. Carbon, 2011, 49, 652-658.	5.4	54
45	High-temperature conductivity study on single-crystal C60. Applied Physics A: Materials Science and Processing, 1993, 56, 211-214.	1.1	53
46	Carbon nanotube growth on cobalt-sprayed substrates by thermal CVD. Materials Science and Engineering C, 2006, 26, 1185-1188.	3.8	51
47	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. Catalysis Today, 2020, 357, 350-360.	2.2	50
48	Hydrogen adsorption on a single-walled carbon nanotube material: a comparative study of three different adsorption techniques. Nanotechnology, 2004, 15, 1503-1508.	1.3	48
49	Optically Active Polymer Carbon Nanotube Composite. Journal of Physical Chemistry B, 2005, 109, 22725-22729.	1.2	47
50	Performing current versus voltage measurements of single-walled carbon nanotubes using scanning force microscopy. Applied Physics Letters, 2002, 80, 1462-1464.	1.5	46
51	Interfacing Transition Metal Dichalcogenides with Carbon Nanodots for Managing Photoinduced Energy and Charge-Transfer Processes. Journal of the American Chemical Society, 2018, 140, 13488-13496.	6.6	45
52	Mechanical Characterization of Carbon Nanotube Composite Materials. Mechanics of Advanced Materials and Structures, 2005, 12, 13-19.	1.5	44
53	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. Nanotechnology, 2005, 16, S224-S229.	1.3	41
54	Single-walled carbon nanotubes produced by cw CO 2 -laser ablation: study of parameters important for their formation. Applied Physics A: Materials Science and Processing, 2000, 70, 145-151.	1.1	39

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55	Graphene oxideâ€“carbon nanotube hybrid assemblies: cooperatively strengthened OHâ‹¯Oî€€ hydrogen bonds and the removal of chemisorbed water. Chemical Science, 2017, 8, 4987-4995.	3.7	39
56	Carbon single wall nanotubes elaboration and properties. Carbon, 1998, 36, 675-680.	5.4	37
57	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes. Advanced Materials, 2000, 12, 573-576.	11.1	37
58	Time-resolved photoluminescence of solid state fullerenes. Chemical Physics Letters, 1993, 204, 461-466.	1.2	35
59	Nonlinear luminescence phenomena in fullerene crystallites. Applied Physics A: Materials Science and Processing, 1993, 56, 235-239.	1.1	35
60	Diameter dependence of Raman intensities for single-wall carbon nanotubes. Physical Review B, 2001, 63, .	1.1	35
61	Nanofibrilar Polyaniline: Direct Route to Carbon Nanotube Water Dispersions of High Concentration. Macromolecular Rapid Communications, 2009, 30, 418-422.	2.0	35
62	Aligned carbon nanotubes grown on alumina and quartz substrates by a simple thermal CVD process. Diamond and Related Materials, 2006, 15, 1059-1063.	1.8	34
63	Photoconductivity of thin film fullerenes; Effect of oxygen and thermal annealing. Solid State Communications, 1993, 87, 281-284.	0.9	33
64	Electronic Interactions in Illuminated Carbon Dot/MoS₂ Ensembles and Electrocatalytic Activity towards Hydrogen Evolution. Chemistry - A European Journal, 2018, 24, 10468-10474.	1.7	33
65	Reduced Graphene Oxide Aerogels with Controlled Continuous Microchannels for Environmental Remediation. ACS Applied Nano Materials, 2019, 2, 1210-1222.	2.4	33
66	Charge transport properties of water dispersible multiwall carbon nanotube-polyaniline composites. Journal of Applied Physics, 2010, 107, 103719.	1.1	32
67	Graphene aerogels via hydrothermal gelation of graphene oxide colloids: Fine-tuning of its porous and chemical properties and catalytic applications. Advances in Colloid and Interface Science, 2021, 292, 102420.	7.0	32
68	Towards helical and Y-shaped carbon nanotubes: the role of sulfur in CVD processes. Nanotechnology, 2006, 17, 4292-4299.	1.3	30
69	Unique Properties and Behavior of Nonmercerized Type-II Cellulose Nanocrystals as Carbon Nanotube Biocompatible Dispersants. Biomacromolecules, 2019, 20, 3147-3160.	2.6	30
70	Enhanced hydrogen adsorption on single-wall carbon nanotubes by sample reduction. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 120-123.	1.7	29
71	Processing dependency of percolation threshold of MWCNTs in a thermoplastic elastomeric block copolymer. Polymer, 2011, 52, 1788-1796.	1.8	29
72	Reduced graphene oxide: firm support for catalytically active palladium nanoparticles and game changer in selective hydrogenation reactions. Nanoscale, 2013, 5, 10189.	2.8	29

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73	Cobalt-Doped ZnO Nanorods Coated with Nanoscale Metalâ€“Organic Framework Shells for Water-Splitting Photoanodes. ACS Applied Nano Materials, 2020, 3, 7781-7788.	2.4	29
74	Effects of partial and total methane flows on the yield and structural characteristics of MWCNTs produced by CVD. Carbon, 2009, 47, 998-1004.	5.4	27
75	Optimizing catalyst nanoparticle distribution to produce densely-packed carbon nanotube growth. Carbon, 2009, 47, 1989-2001.	5.4	27
76	Photovoltaic textile structure using polyaniline/carbon nanotube composite materials. Journal of the Textile Institute, 2011, 102, 857-862.	1.0	27
77	Arc-grown Y-branched carbon nanotubes observed by scanning tunneling microscopy (STM). Chemical Physics Letters, 2002, 365, 338-342.	1.2	26
78	Conjugated Polymer Nanoparticleâ€“Graphene Oxide Chargeâ€Transfer Complexes. Advanced Functional Materials, 2018, 28, 1707548.	7.8	26
79	Role of Y-Ni-B mixtures in the formation of carbon nanotubes and encapsulation into carbon clusters. Synthetic Metals, 1996, 77, 243-247.	2.1	25
80	Preparation of palladium loaded carbon nanotubes and activated carbons for hydrogen sorption. Journal of Alloys and Compounds, 2007, 436, 294-297.	2.8	25
81	High catalytic performance of palladium nanoparticles supported on multiwalled carbon nanotubes in alkene hydrogenation reactions. New Journal of Chemistry, 2013, 37, 1968.	1.4	24
82	Detailed thermal reduction analyses of graphene oxide via in-situ TEM/EELS studies. Carbon, 2021, 178, 477-487.	5.4	24
83	Evolution of multiwalled carbon-nanotube/SiO2composites via laser treatment. Nanotechnology, 2003, 14, 184-187.	1.3	23
84	Platelet-like catalyst design for high yield production of multi-walled carbon nanotubes by catalytic chemical vapor deposition. Carbon, 2011, 49, 2483-2491.	5.4	23
85	Elaboration and characterization of various carbon nanostructures. Synthetic Metals, 1996, 81, 243-250.	2.1	22
86	Visualization of single-walled carbon nanotubes electrical networks by scanning force microspy. Applied Physics Letters, 2001, 79, 2979-2981.	1.5	22
87	Single-walled carbon nanotubes formation with a continuous CO 2 -laser: experiments and theory. Applied Physics A: Materials Science and Processing, 2000, 70, 161-168.	1.1	21
88	Production of carbon nanotubes by CO2-laser evaporation of various carbonaceous feedstock materials. Nanotechnology, 2001, 12, 147-151.	1.3	21
89	The viscosity of dilute carbon nanotube (1D) and graphene oxide (2D) nanofluids. Physical Chemistry Chemical Physics, 2020, 22, 11474-11484.	1.3	21
90	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. Journal of Materials Research, 2006, 21, 2841-2846.	1.2	20

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91	Carbon nanotube-supported gold nanoparticles as efficient catalyst for the selective hydrogenation of nitroaromatic derivatives to anilines. Materials Today Communications, 2015, 3, 104-113.	0.9	20
92	MÃ¶ssbauer and magnetic characterisation of carbon-coated small iron particles. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1930-1932.	1.0	19
93	Carbon nanotubes: from production to functional composites. International Journal of Nanotechnology, 2005, 2, 71.	0.1	19
94	Combination of two dispersants as a valuable strategy to prepare improved poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (alc	3.8	18
95	Towards high-efficient microsupercapacitors based on reduced graphene oxide with optimized reduction degree. Energy Storage Materials, 2020, 25, 740-749.	9.5	18
96	Broadband electroluminescent emission from fullerene crystals. Applied Physics A: Solids and Surfaces, 1993, 57, 157-160.	1.4	17
97	Niâ€“Y/Mo catalyst for the large-scale CVD production of multi-wall carbon nanotubes. Carbon, 2005, 43, 3034-3037.	5.4	16
98	In-situ reduction by Joule heating and measurement of electrical conductivity of graphene oxide in a transmission electron microscope. 2D Materials, 2021, 8, 031001.	2.0	16
99	Fullerenes in the highly excited state. Applied Physics A: Solids and Surfaces, 1993, 57, 81-86.	1.4	15
100	Polyazomethine/carbon nanotube composites. Materials Science and Engineering C, 2006, 26, 1198-1201.	3.8	15
101	FTIR and Thermogravimetric Analysis of Biotin-Functionalized Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2007, 7, 3473-3476.	0.9	15
102	Carbon Nanotube Mediated Reduction in Optical Activity in Polyaniline Composite Materials. Journal of Physical Chemistry C, 2008, 112, 1441-1445.	1.5	15
103	Electrochemical Grafting of Reduced Graphene Oxide with Polydiphenylamine Doped with Heteropolyanions and Its Optical Properties. Journal of Physical Chemistry C, 2014, 118, 25704-25717.	1.5	15
104	Functionalized carbon dots on TiO2 for perovskite photovoltaics and stable photoanodes for water splitting. International Journal of Hydrogen Energy, 2021, 46, 12180-12191.	3.8	15
105	Electrical characterization of single-walled carbon nanotubes with Scanning Force Microscopy. Materials Science and Engineering C, 2001, 15, 149-151.	3.8	14
106	STM observation of asymmetrical Y-branched carbon nanotubes and nano-knees produced by the arc discharge method. Materials Science and Engineering C, 2003, 23, 561-564.	3.8	14
107	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. Diamond and Related Materials, 2007, 16, 1082-1086.	1.8	14
108	Crystalline Transformations in Nylon-6/Single-Walled Carbon Nanotube Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 6120-6126.	0.9	14

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109	A versatile room-temperature method for the preparation of customized fluorescent non-conjugated polymer dots. Polymer, 2019, 177, 97-101.	1.8	14
110	Many-body effects in the highly excited state of fullerenes. Applied Physics A: Solids and Surfaces, 1993, 57, 303-308.	1.4	13
111	Percolating Metallic Structures Templated on Laser-Deposited Carbon Nanofoams Derived from Graphene Oxide: Applications in Humidity Sensing. ACS Applied Nano Materials, 2018, 1, 1828-1835.	2.4	12
112	Bottomâ€Up Synthesized MoS 2 Interfacing Polymer Carbon Nanodots with Electrocatalytic Activity for Hydrogen Evolution. Chemistry - A European Journal, 2020, 26, 6635-6642.	1.7	12
113	Photoconductivity of C60/C70 films. Synthetic Metals, 1992, 51, 251-256.	2.1	11
114	Single-walled carbon nanotubes produced by laser ablation under different inert atmospheres. Synthetic Metals, 1999, 103, 2490-2491.	2.1	11
115	Study of parameters important for the growth of single wall carbon nanotubes. Optical Materials, 2001, 17, 331-334.	1.7	11
116	Block Copolymer Assisted Dispersion of Single Walled Carbon Nanotubes and Integration into a Trifunctional Epoxy. Journal of Nanoscience and Nanotechnology, 2009, 9, 6104-6112.	0.9	11
117	Integrating Water-Soluble Polythiophene with Transition-Metal Dichalcogenides for Managing Photoinduced Processes. ACS Applied Materials & Interfaces, 2019, 11, 5947-5956.	4.0	11
118	Chemical Postdeposition Treatments To Improve the Adhesion of Carbon Nanotube Films on Plastic Substrates. ACS Omega, 2019, 4, 2804-2811.	1.6	11
119	Photoluminescence of solid state fullerenes. Synthetic Metals, 1993, 54, 265-272.	2.1	10
120	The influence of the target composition in the structural characteristics of single-walled carbon nanotubes produced by laser ablation. Synthetic Metals, 2001, 121, 1193-1194.	2.1	10
121	Unravelling the hydration mechanism in a multi-layered graphene oxide paper by in-situ X-ray scattering. Carbon, 2018, 137, 379-383.	5.4	10
122	Photoactivity improvement of TiO2 electrodes by thin hole transport layers of reduced graphene oxide. Electrochimica Acta, 2019, 298, 279-287.	2.6	10
123	Effect of nanocellulose polymorphism on electrochemical analytical performance in hybrid nanocomposites with non-oxidized single-walled carbon nanotubes. Mikrochimica Acta, 2022, 189, 62.	2.5	10
124	p-type doping of C60 films. Synthetic Metals, 1992, 51, 103-108.	2.1	9
125	CVD production of double-wall and triple-wall carbon nanotubes. Diamond and Related Materials, 2007, 16, 1087-1090.	1.8	9
126	Sorption of 4He, H2, Ne, N2, CH4, and Kr impurities in graphene oxide at low temperatures. Quantum effects. Low Temperature Physics, 2013, 39, 1090-1095.	0.2	9

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127	A tool box to ascertain the nature of doping and photoresponse in single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2019, 21, 4063-4071.	1.3	9
128	Waterborne Graphene- and Nanocellulose-Based Inks for Functional Conductive Films and 3D Structures. Nanomaterials, 2021, 11, 1435.	1.9	9
129	Carbon Nanotubes: From Fundamental Nanoscale Objects Towards Functional Nanocomposites and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 101-119.	0.2	9
130	Modification of Physicochemical Properties and Boosting Electrical Conductivity of Reduced Graphene Oxide Aerogels by Postsynthesis Treatment. Journal of Physical Chemistry C, 2020, 124, 13739-13752.	1.5	9
131	Synthesis and Processing of Nanomaterials Mediated by Living Organisms. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
132	Single-walled carbon nanotube buckypaper as support for highly permeable double layer polyamide/zeolitic imidazolate framework in nanofiltration processes. Journal of Membrane Science, 2022, 652, 120490.	4.1	9
133	Self-Assembled Coreâ€“Shell CdTe/Poly(3-hexylthiophene) Nanoensembles as Novel Donorâ€“Acceptor Light-Harvesting Systems. ACS Applied Materials & Interfaces, 2017, 9, 44695-44703.	4.0	8
134	Ru supported on N-doped reduced graphene oxide aerogels with different N-type for alcohol selective oxidation. Molecular Catalysis, 2020, 484, 110737.	1.0	8
135	Carbon Nanotube Film Electrodes with Acrylic Additives: Blocking Electrochemical Charge Transfer Reactions. Nanomaterials, 2020, 10, 1078.	1.9	8
136	Nanofibrilar-Polyaniline/Carbon Nanotube Composites: Aqueous Dispersions and Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 6157-6163.	0.9	7
137	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO₂-Selective Parts-per-Billion Sensing. ACS Applied Materials & Interfaces, 2020, 12, 39541-39548.	4.0	7
138	Electron Trap States and Photopotential of Nanocrystalline Titanium Dioxide Electrodes Filled with Singleâ€Walled Carbon Nanotubes. ChemElectroChem, 2017, 4, 2300-2307.	1.7	6
139	The effect of the thermal reduction on the kinetics of low-temperature 4He sorption and the structural characteristics of graphene oxide. Low Temperature Physics, 2017, 43, 383-389.	0.2	6
140	Intercalated water in multi-layered graphene oxide paper: an X-ray scattering study. Journal of Applied Crystallography, 2017, 50, 876-884.	1.9	6
141	Photophysical and photochemical processes in fullerenes under high-intensity illumination. Journal of Materials Processing Technology, 1995, 54, 149-158.	3.1	5
142	Superconducting RNi2B2C (R = Y, Lu) nanoparticles: Size effects and weak links. Advanced Materials, 1997, 9, 503-506.	11.1	5
143	Capacitive and Charge Transfer Effects of Singleâ€Walled Carbon Nanotubes in TiO₂ Electrodes. ChemPhysChem, 2019, 20, 838-847.	1.0	5
144	Differential properties and effects of fluorescent carbon nanoparticles towards intestinal theranostics. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110612.	2.5	5

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145	Formation of one-dimensional quantum crystals of molecular deuterium inside carbon nanotubes. Carbon, 2021, 175, 141-154.	5.4	5
146	Optimizing Bacterial Cellulose Production Towards Materials for Water Remediation. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 391-403.	0.2	5
147	Non-Specific Adsorption of Streptavidin on Single Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 6149-6156.	0.9	4
148	Nanoscale J-aggregates of poly(3-hexylthiophene): key to electronic interface interactions with graphene oxide as revealed by KPFM. Nanoscale, 2019, 11, 11202-11208.	2.8	4
149	Inâ€Situ Growth and Immobilization of CdS Nanoparticles onto Functionalized MoS₂: Preparation, Characterization and Fabrication of Photoelectrochemical Cells. Chemistry - an Asian Journal, 2020, 15, 2350-2356.	1.7	4
150	Calculation of the charge spreading along a carbon nanotube seen in scanning tunnelling microscopy (STM). Diamond and Related Materials, 2002, 11, 961-963.	1.8	3
151	NO2 detection with Single Walled Carbon Nanotube Networks. , 2007, , .		3
152	Novel gas sensors based on carbon nanotube networks. Journal of Physics: Conference Series, 2008, 127, 012012.	0.3	3
153	Processing Route to Disentangle Multi-Walled Carbon Nanotube Towards Ceramic Composite. Journal of Nanoscience and Nanotechnology, 2009, 9, 6164-6170.	0.9	3
154	The effect of the temperature of graphene oxide reduction on low-temperature sorption of 4He. Low Temperature Physics, 2016, 42, 57-59.	0.2	3
155	Carbon Nanofoam Supercapacitor Electrodes with Enhanced Performance Using a Water-Transfer Process. ACS Omega, 2018, 3, 15134-15139.	1.6	3
156	Charge-transfer characteristics in carbon nanostructure/metal oxide photoelectrodes efficiently probed by hydrogen peroxide. Journal of Electroanalytical Chemistry, 2018, 828, 86-90.	1.9	3
157	Optical properties and carrier dynamics in Co-doped ZnO nanorods. Nanoscale Advances, 2021, 3, 214-222.	2.2	3
158	Nanoscale Charge Density and Dynamics in Graphene Oxide. , 2021, 3, 1826-1831.		3
159	Hybrids of Reduced Graphene Oxide Aerogel and CNT for Electrochemical O2 Reduction. Catalysts, 2021, 11, 1404.	1.6	3
160	Raman Investigation of Singlewalled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 1998, 322, 71-78.	0.3	2
161	A New Structural Model for Graphene Oxide and Reduced Graphene Oxide as Revealed by Core EELS and DFT. Microscopy and Microanalysis, 2014, 20, 1774-1775.	0.2	2
162	The effect of graphene oxide reduction temperature on the kinetics of low-temperature sorption of hydrogen. Low Temperature Physics, 2019, 45, 422-426.	0.2	2

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163	Carbon Nanotube Composite Materials: Opportunities and Processing Issues. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 181-198.	0.2	2
164	Synthesis and Processing of Nanomaterials Mediated by Living Organisms. Angewandte Chemie, 2022, 134, .	1.6	2
165	Nonlinear Excited State Phenomena and Electro-luminescence in Fullerene Crystals. Journal of Modern Optics, 1994, 41, 1243-1252.	0.6	1
166	Nonlinear Optical and Transport Processes in Fullerenes. Molecular Crystals and Liquid Crystals, 1994, 256, 259-266.	0.3	1
167	Production of carbon single wall nanotubes versus experimental parameters. , 1998, , .		1
168	Structure and vibrational properties of single wall carbon nanotubes. Synthetic Metals, 1999, 103, 2537-2539.	2.1	1
169	Hyperfine and Magnetic Characterization of Fe Particles Hosted in Carbon Nanocapsules. Hyperfine Interactions, 2001, 134, 103-108.	0.2	1
170	Multi-Walled Carbon Nanotube Networks As Gas Sensors for NO2 Detection. , 2007, , .		1
171	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes. , 2000, 12, 573.		1
172	Broadband Electroluminescence in Fullerene Crystals. Springer Series in Solid-state Sciences, 1993, , 297-300.	0.3	1
173	Incorporation of Multi Wall Carbon Nanotubes into Glass-Surfaces via Laser-Treatment. Materials Research Society Symposia Proceedings, 2003, 772, 281.	0.1	1
174	Excited State Phenomena in Solid State Fullerene. Molecular Crystals and Liquid Crystals, 1994, 252, 49-58.	0.3	0
175	Nonlinear Optical and Transport Properties of Fullerene Crystals. Materials Research Society Symposia Proceedings, 1994, 359, 451.	0.1	0
176	<title>Nonlinear optical and transport properties of fullerene crystals</title>. , 1994, , .		0
177	Raman studies on single-walled carbon nanotubes. , 1997, 3142, 18.		0
178	Raman studies of singlewalled nanotubes. , 1998, , .		0
179	Molecular dynamics of single wall nanotubes. , 1998, , .		0
180	Production of bundles of single walled nanotubes by a simple laser ablation technique. , 1999, , .		0

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181	Solar synthesis of single wall carbon nanotubes. , 1999, , .		0
182	Sprayed Carbon Nanotube Thin Films as Hydrogen Sensors. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
183	Selected Peer-Reviewed Articles from the 2nd International Conference on the Chemistry on Carbon Nanotubes (ChemOnTubes 2008). Journal of Nanoscience and Nanotechnology, 2009, 9, 6013-6014.	0.9	0
184	Nanostructured Carbon Materials: Synthesis and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 177-191.	0.2	0
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