

Masaki Tanemura

List of Publications by Year in descending order

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73
papers

1,143
citations

471371

17
h-index

434063

31
g-index

74
all docs

74
docs citations

74
times ranked

1499
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of graphene crystals from solid waste plastic by chemical vapor deposition. Carbon, 2014, 72, 66-73.	5.4	136
2	Exciton radiative lifetime in ZnO nanorods fabricated by vapor phase transport method. Applied Physics Letters, 2007, 90, 013107.	1.5	74
3	Room-temperature growth of a carbon nanofiber on the tip of conical carbon protrusions. Applied Physics Letters, 2004, 84, 3831-3833.	1.5	65
4	Regenerated cellulose membrane as bio-template for in-situ growth of visible-light driven C-modified mesoporous titania. Carbohydrate Polymers, 2016, 146, 166-173.	5.1	63
5	Ferromagnetism in Cu-doped AlN films. Applied Physics Letters, 2009, 95, .	1.5	55
6	Transfer free graphene growth on SiO ₂ substrate at 250°C. Scientific Reports, 2017, 7, 43756.	1.6	41
7	Direct Growth of Single Carbon Nanofiber onto Tip of Scanning Probe Microscopy Induced by Ion Irradiation. Japanese Journal of Applied Physics, 2006, 45, 2004-2008.	0.8	40
8	<i>In Situ</i> TEM Observation of Fe-Included Carbon Nanofiber: Evolution of Structural and Electrical Properties in Field Emission Process. ACS Nano, 2012, 6, 9567-9573.	7.3	31
9	Highly transparent and conducting C:ZnO thin film for field emission displays. RSC Advances, 2014, 4, 64763-64770.	1.7	31
10	Room-temperature growth of carbon nanofibers on plastic substrates. Surface Science, 2006, 600, 3663-3667.	0.8	29
11	Temperature dependent diode and photovoltaic characteristics of graphene-GaN heterojunction. Applied Physics Letters, 2017, 111, .	1.5	27
12	Photovoltaic Action in Graphene-Ga ₂ O ₃ Heterojunction with Deep-Ultraviolet Irradiation. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800198.	1.2	26
13	Preparation and catalytic evaluation of cytochrome c immobilized on mesoporous silica materials. Journal of the Ceramic Society of Japan, 2010, 118, 410-416.	0.5	25
14	Synthesis of uniform monolayer graphene on re-solidified copper from waste chicken fat by low pressure chemical vapor deposition. Materials Research Bulletin, 2016, 83, 573-580.	2.7	25
15	Photovoltaic Action With Broadband Photoresponsivity in Germanium-MoS ₂ Ultrathin Heterojunction. IEEE Transactions on Electron Devices, 2018, 65, 4434-4440.	1.6	24
16	Effect of defects in ferromagnetic C doped ZnO thin films. Physica Status Solidi (B): Basic Research, 2012, 249, 1254-1257.	0.7	19
17	Ultraviolet light induced electrical hysteresis effect in graphene-GaN heterojunction. Applied Physics Letters, 2019, 114, .	1.5	18
18	Low temperature wafer-scale synthesis of hexagonal boron nitride by microwave assisted surface wave plasma chemical vapour deposition. AIP Advances, 2019, 9, .	0.6	18

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19	Influence of the Natural Zeolite Particle Size Toward the Ammonia Adsorption Activity in Ceramic Hollow Fiber Membrane. <i>Membranes</i> , 2020, 10, 63.	1.4	17
20	Direct observation of structural change in Au-incorporated carbon nanofibers during field emission process. <i>Carbon</i> , 2014, 75, 277-280.	5.4	16
21	Visualizing copper assisted graphene growth in nanoscale. <i>Scientific Reports</i> , 2014, 4, 7563.	1.6	16
22	Nitrogen doping effect on flow-induced voltage generation from graphene-water interface. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	16
23	Role of Doped Nitrogen in Graphene for Flow-Induced Power Generation. <i>Advanced Engineering Materials</i> , 2018, 20, 1800387.	1.6	16
24	The role of solid, liquid and gaseous hydrocarbon precursors on chemical vapor deposition grown carbon nanomaterials' growth temperature. <i>Synthetic Metals</i> , 2021, 274, 116735.	2.1	16
25	Fabrication of transparent and flexible carbon-doped ZnO field emission display on plastic substrate. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 145-148.	1.2	15
26	Room-temperature ferromagnetism of Cu-doped ZnO films deposited by helicon magnetron sputtering. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1243-1247.	0.7	14
27	Determination of Young's modulus of carbon nanofiber probes fabricated by the argon ion bombardment of carbon coated silicon cantilever. <i>Carbon</i> , 2011, 49, 4191-4196.	5.4	14
28	Observing Charge Transfer Interaction in CuI and MoS ₂ Heterojunction for Photoresponsive Device Application. <i>ACS Applied Electronic Materials</i> , 2019, 1, 302-310.	2.0	13
29	Recent Developments in Carbon Nanotubes-Reinforced Ceramic Matrix Composites: A Review on Dispersion and Densification Techniques. <i>Crystals</i> , 2021, 11, 457.	1.0	13
30	Wafer-scale production of carbon nanofiber probes. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 975.	1.3	12
31	The controlled fabrication of "Tip-On-Tip" TERS probes. <i>RSC Advances</i> , 2014, 4, 4718-4722.	1.7	12
32	Schottky Barrier Diode Characteristics of Graphene-GaN Heterojunction with Hexagonal Boron Nitride Interfacial Layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800089.	0.8	12
33	Low Temperature Direct of Graphene onto Metal Nano-Spindt Tip with Applications in Electron Emission. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300147.	1.9	11
34	Growth of uniform MoS ₂ layers on free-standing GaN semiconductor for vertical heterojunction device application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2040-2048.	1.1	11
35	Room-temperature growth of ion-induced Si- and Ge-incorporated carbon nanofibers. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1345-1349.	0.7	10
36	Transparent and flexible field emission display device based on single-walled carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 303-305.	1.2	9

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37	In situ transmission electron microscopy of Ag-incorporated carbon nanofibers: the effect of Ag nanoparticle size on graphene formation. <i>RSC Advances</i> , 2015, 5, 5647-5651.	1.7	9
38	Graphene formation at 1500°C using indium as catalyst. <i>RSC Advances</i> , 2017, 7, 47353-47356.	1.7	9
39	Synthesis and Characterization of Li-C Nanocomposite for Easy and Safe Handling. <i>Nanomaterials</i> , 2020, 10, 1483.	1.9	9
40	Chemical state analysis using Auger parameters for XPS spectrum curve fitted with standard Auger spectra. <i>Surface and Interface Analysis</i> , 2018, 50, 1187-1190.	0.8	8
41	Switching isotropic and anisotropic graphene growth in a solid source CVD system. <i>CrystEngComm</i> , 2018, 20, 5356-5363.	1.3	8
42	Output density quantification of electricity generation by flowing deionized water on graphene. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	8
43	Trifunctional Electrocatalytic Activities of Nitrogen-Doped Graphitic Carbon Nanofibers Synthesized by Chemical Vapor Deposition. <i>ChemistrySelect</i> , 2021, 6, 4867-4873.	0.7	8
44	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. <i>Journal of Vacuum Science & Technology B</i> , 2009, 27, 980.	1.3	7
45	Tuning the optical bandgap of multi-walled carbon nanotube-modified zinc silicate glass-ceramic composites. <i>Ceramics International</i> , 2021, 47, 20108-20116.	2.3	7
46	In situ fabrication of graphene from a copper-carbon nanoneedle and its electrical properties. <i>RSC Advances</i> , 2016, 6, 82459-82466.	1.7	5
47	Influence of MoS ₂ Silicon Interface States on Spectral Photoresponse Characteristics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900349.	0.8	5
48	Formation of Effective Cu-GaN Heterojunction with Excellent Ultraviolet Photoresponsive Photovoltage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900200.	0.8	5
49	The Mo catalyzed graphitization of amorphous carbon: an in situ TEM study. <i>RSC Advances</i> , 2019, 9, 34377-34381.	1.7	5
50	High-Resolution Imaging of Plasmid DNA in Liquids in Dynamic Mode Atomic Force Microscopy Using a Carbon Nanofiber Tip. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 08LB14.	0.8	5
51	Fabrication of Ion-Induced Carbon-Cobalt Nanocomposite Fibers: Effect of Cobalt Supply Rate. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10677-10681.	0.9	4
52	Synthesis of Freestanding WS ₂ Trees and Fibers on Au by Chemical Vapor Deposition (CVD). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700566.	0.8	4
53	Effects of nitrogen-dopant bonding states on liquid-flow-induced electricity generation of graphene: A comparative study. <i>Results in Physics</i> , 2019, 12, 1291-1293.	2.0	4
54	Room-temperature graphitization in a solid-phase reaction. <i>RSC Advances</i> , 2020, 10, 914-922.	1.7	4

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55	Ferromagnetic and Optical Properties of Partially Cu-Doped ZnO Films. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2009, 64, 765-768.	0.7	3
56	Facile one-step fabrication of highly transparent and flexible superhydrophobic substrate by room-temperature ion irradiation method. Physica Status Solidi - Rapid Research Letters, 2012, 6, 430-432.	1.2	3
57	Controllable fabrication and characterization of conical nanocarbon structures on polymer substrate for transparent and flexible field emission displays. Physica Status Solidi - Rapid Research Letters, 2012, 6, 184-186.	1.2	3
58	Graphitization of Gallium-Incorporated Carbon Nanofibers and Cones: In Situ and Ex Situ Transmission Electron Microscopy Studies. Physica Status Solidi (B): Basic Research, 2020, 257, 2000309.	0.7	3
59	One-step synthesis of spontaneously graphitized nanocarbon using cobalt-nanoparticles. SN Applied Sciences, 2020, 2, 1.	1.5	3
60	Synthesis of MoS ₂ Layers on GaN Using Ammonium Tetrathiomolybdate for Heterojunction Device Applications. Crystal Research and Technology, 2021, 56, 2000198.	0.6	3
61	Waste NR Latex Based-Precursors as Carbon Source for CNTs Eco-Fabrications. Polymers, 2021, 13, 3409.	2.0	3
62	Quantum limits to the electron field emission from tapered conductive sheets. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, C2A64-C2A71.	0.6	2
63	Conducting polymer based hybrid structure as transparent and flexible field electron emitter. Physica Status Solidi - Rapid Research Letters, 2013, 7, 489-492.	1.2	2
64	Highly transparent and flexible field electron emitters based on hybrid carbon nanostructure. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1080-1083.	1.2	2
65	Encapsulation of transition metal dichalcogenides crystals with room temperature plasma deposited carbonaceous films. RSC Advances, 2017, 7, 41136-41143.	1.7	2
66	Development of oxide nanofiber-tipped cantilever as a substrate for cross-sectional transmission electron microscopy analysis. Surface and Interface Analysis, 2018, 50, 1122-1126.	0.8	2
67	Angular Distribution of Sputtered Ions from HfN by Ar ⁺ Ion Bombardment. Hyomen Kagaku, 2005, 26, 449-453.	0.0	2
68	Influence on Electrochemical Reactivity and Synthesis of Stainless Steel/Nitrogen-Doped Carbon Nanofibers. Journal of Physical Chemistry C, 2021, 125, 25197-25206.	1.5	2
69	Effect of surface morphology on the field emission property of ZnO films. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1349-1352.	0.8	1
70	Temperature dependence of catalytic activity in graphene synthesis for Sn nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 12796-12803.	1.1	1
71	Sinter-Crystallization and Optical Characterization of Dy ³⁺ : ZnO ₂ O ₃ -RHA Glass-Ceramics. Macromolecular Symposia, 2022, 401, 2100316.	0.4	1
72	Quantum limits to the electron field emission from tapered conductive sheets. , 2009, , .		0

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73	Fabrication of well ordered Zn nanorod arrays by ion irradiation method at room temperature and effect on crystal orientations. , 2010, , .		0