Yasuhiko Hayashi

List of Publications by Year
in descending order

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243 papers	3,401 citations	159525 30 h-index	254106 43 g-index
249 all docs	249 docs citations	249 times ranked	4654 citing authors

#	Article	IF	Citations
1	Zincâ€Based Metalâ€“Organic Frameworks for Highâ€Performance Supercapacitor Electrodes: Mechanism Underlying Pore Generation. Energy and Environmental Materials, 2023, 6, .	7.3	7
2	Challenges for developing photo-induced phase transition (PIPT) systems: From classical (incoherent) to quantum (coherent) control of PIPT dynamics. Physics Reports, 2022, 942, 1-61.	10.3	26
3	Highly Oriented Carbon Nanotube Supercapacitors. ACS Applied Nano Materials, 2022, 5, 1521-1532.	2.4	23
4	Enhancement of the mechanical and thermal transport properties of carbon nanotube yarns by boundary structure modulation. Nanotechnology, 2022, 33, 235707.	1.3	5
5	Single Crystals of Mixedâ€Cation Copperâ€Based Perovskite with Trimodal Bandgap Behavior. Chemistry - A European Journal, 2022, , .	1.7	7
6	Generation of sub-100Âfs electron pulses for time-resolved electron diffraction using a direct synchronization method. Review of Scientific Instruments, 2022, 93, .	0.6	7
7	Nanostructural characterization of carbon nanotube yarn high-strengthened by joule heating. Carbon, 2021, 171, 437-443.	5.4	8
8	Single crystal of two-dimensional mixed-halide copper-based perovskites with reversible thermochromism. Journal of Materials Chemistry C, 2021, 9, 3264-3270.	2.7	27
9	Improved room-temperature thermoelectric characteristics in F4TCNQ-doped CNT yarn/P3HT composite by controlled doping. Organic Electronics, 2021, 90, 106056.	1.4	6
10	Memristive Behavior in One-Dimensional Hexagonal Boron Nitride/Carbon Nanotube Heterostructure Assemblies. ACS Applied Electronic Materials, 2021, 3, 3555-3566.	2.0	11
11	Photoinduced oxygen transport in cobalt double-perovskite crystal EuBaCo2O5.39. Applied Materials Today, 2021, 24, 101167.	2.3	3
12	Temperature-dependent device properties of Î³-CuI and Î²-Ga2O3 heterojunctions. SN Applied Sciences, 2021, 3, 1.	1.5	5
13	Supercapacitor electrode with high charge density based on boron-doped porous carbon derived from covalent organic frameworks. Carbon, 2021, 184, 418-425.	5.4	38
14	The critical role of the forest morphology for dry drawability of few-walled carbon nanotubes. Carbon, 2020, 158, 662-671.	5.4	15
15	Super-chiral vibrational spectroscopy with metasurfaces for high-sensitive identification of alanine enantiomers. Applied Physics Letters, 2020, 117, .	1.5	19
16	Synthesis and characterization of conductive flexible cellulose carbon nanohorn sheets for human tissue applications. Biomaterials Research, 2020, 24, 18.	3.2	10
17	Controlling Electronic States of Few-walled Carbon Nanotube Yarn via Joule-annealing and p-type Doping Towards Large Thermoelectric Power Factor. Scientific Reports, 2020, 10, 7307.	1.6	11
18	Synthesis of solvent-free conductive and flexible celluloseâ€“carbon nanohorn sheets and their application as a water vapor sensor. Materials Research Express, 2020, 7, 056402.	0.8	4

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19	A Review of Dry Spun Carbon Nanotube Yarns and Their Potential Applications in Energy and Mechanical Devices. Journal of Fiber Science and Technology, 2020, 76, 72-78.	0.2	7
20	Systematic Investigations of Annealing and Functionalization of Carbon Nanotube Yarns. Molecules, 2020, 25, 1144.	1.7	10
21	Liquid-like dielectric response is an origin of long polaron lifetime exceeding 10 Î¼s in lead bromide perovskites. Journal of Chemical Physics, 2020, 152, 084704.	1.2	14
22	Reverse Engineering of Thin Films to Nanoparticles by Thermal Deposition for Large-Scale Production of Nanometals. Journal of Nano Research, 2020, 61, 42-50.	0.8	0
23	Whitish daytime radiative cooling using diffuse reflection of non-resonant silica nanoshells. Scientific Reports, 2020, 10, 6486.	1.6	11
24	Phonon transport probed at carbon nanotube yarn/sheet boundaries by ultrafast structural dynamics. Carbon, 2020, 170, 165-173.	5.4	5
25	A mechanistic investigation of moisture-induced degradation of methylammonium lead iodide. Applied Physics Letters, 2020, 117, .	1.5	3
26	Influence of pressure of nitrogen gas on structure and thermoelectric properties of acid-treated PEDOT:PSS films. Journal of Materials Science: Materials in Electronics, 2019, 30, 13534-13542.	1.1	3
27	Selective Reduction Mechanism of Graphene Oxide Driven by the Photon Mode versus the Thermal Mode. ACS Nano, 2019, 13, 10103-10112.	7.3	30
28	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. Nature Communications, 2019, 10, 4159.	5.8	41
29	One-Minute Joule Annealing Enhances the Thermoelectric Properties of Carbon Nanotube Yarns via the Formation of Graphene at the Interface. ACS Applied Energy Materials, 2019, 2, 7700-7708.	2.5	24
30	Transistor Application and Intercalation Chemistry of Ï€-Conjugated Hydrocarbon Molecules. , 2019, , 229-252.		0
31	Association between Jâ€CTO score and longâ€term target lesion revascularization rate after successful chronic total coronary occlusion angioplasty (from the Jâ€CTO Registry). Catheterization and Cardiovascular Interventions, 2019, 93, 1025-1032.	0.7	14
32	Temperature dependence of pressure-driven water permeation through membranes consisting of vertically-aligned double-walled carbon nanotube arrays. Carbon, 2019, 146, 785-788.	5.4	6
33	Mortality impact of post-discharge myocardial infarction size after percutaneous coronary intervention: a patient-level pooled analysis from the 4 large-scale Japanese studies. Cardiovascular Intervention and Therapeutics, 2019, 34, 47-58.	1.2	1
34	In-situ X-ray diffraction reveals the degradation of crystalline CH3NH3PbI3 by water-molecule collisions at room temperature. Japanese Journal of Applied Physics, 2018, 57, 028001.	0.8	8
35	Resistance-heating of carbon nanotube yarns in different atmospheres. Carbon, 2018, 133, 232-238.	5.4	12
36	Expansion of Shockley stacking fault observed by scanning electron microscope and partial dislocation motion in 4H-SiC. Journal of Applied Physics, 2018, 123, 161580.	1.1	10

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37	Simultaneous improvement in electrical conductivity and Seebeck coefficient of PEDOT:PSS by N₂ pressure-induced nitric acid treatment. RSC Advances, 2018, 8, 36563-36570.	1.7	15
38	Bond Dissociation Triggering Molecular Disorder in Amorphous H₂O. Journal of Physical Chemistry A, 2018, 122, 9579-9584.	1.1	7
39	Rapid Growth of Dense and Long Carbon Nanotube Arrays and Its Application in Spinning Thread. , 2018, , .		2
40	Long-term use of carvedilol in patients with ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention. PLoS ONE, 2018, 13, e0199347.	1.1	35
41	Performance limit of daytime radiative cooling in warm humid environment. AIP Advances, 2018, 8, .	0.6	63
42	Novel Techniques for Observing Structural Dynamics of Photoresponsive Liquid Crystals. Journal of Visualized Experiments, 2018, , .	0.2	2
43	High-performance structure of a coil-shaped soft-actuator consisting of polymer threads and carbon nanotube yarns. AIP Advances, 2018, 8, .	0.6	8
44	A case of subacute stent thrombosis after drug-coated balloon coronary angioplasty for in-stent restenosis under single anti-platelet therapy. Cardiovascular Intervention and Therapeutics, 2017, 32, 170-173.	1.2	0
45	Ultrasonic-assisted synthesis of ZnO nano particles decked with few layered graphene nanocomposite as photoanode in dye-sensitized solar cell. Journal of Materials Science: Materials in Electronics, 2017, 28, 6217-6225.	1.1	14
46	Surface modification of carbon nanohorns by helium plasma and ozone treatments. Japanese Journal of Applied Physics, 2017, 56, 01AB08.	0.8	7
47	Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. Carbon, 2017, 120, 358-365.	5.4	31
48	Structural Monitoring of the Onset of Excited-State Aromaticity in a Liquid Crystal Phase. Journal of the American Chemical Society, 2017, 139, 15792-15800.	6.6	59
49	Atrial electrical abnormality in patients with Brugada syndrome assessed by signal-averaged electrocardiography. Indian Heart Journal, 2017, 69, 714-719.	0.2	2
50	Cross-Polarized Surface-Enhanced Infrared Spectroscopy by Fano-Resonant Asymmetric Metamaterials. Scientific Reports, 2017, 7, 3205.	1.6	18
51	Multilayer graphene/amorphous carbon hybrid films prepared by microwave surface-wave plasma CVD: synthesis and characterization. Surface and Interface Analysis, 2017, 49, 291-296.	0.8	4
52	Intentionally encapsulated metal alloys within vertically aligned multi-walled carbon nanotube array via chemical vapor deposition technique. , 2017, , .		0
53	Simple Technique of Exfoliation and Dispersion of Multilayer Graphene from Natural Graphite by Ozone-Assisted Sonication. Nanomaterials, 2017, 7, 125.	1.9	48
54	Structure optimization of metallodielectric multilayer for high-efficiency daytime radiative cooling. , 2017, , .		2

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55	Automated design of infrared digital metamaterials by genetic algorithm. , 2017, , .		0
56	Synthesis and transistor application of the extremely extended phenacene molecule, [9]phenacene. Scientific Reports, 2016, 6, 21008.	1.6	46
57	Carbon nanostructures synthesized via self-assembly (LLIP) and its application in FET. , 2016, , .		0
58	Self-assembled C60 Fullerene Cylindrical nanotubes by LLIP method. , 2016, , .		0
59	The Difference between the optical coherence tomography (OCT) findings of newly progressed coronary lesions in symptomatic and asymptomatic patients. International Journal of Cardiology, 2016, 222, 391-395.	0.8	0
60	Effect of ultraviolet light irradiation and ion collision on the quality of multilayer graphene prepared by microwave surface-wave plasma chemical vapor deposition. Diamond and Related Materials, 2016, 66, 157-162.	1.8	7
61	Controlled Fano resonances via symmetry breaking in metamaterials for high-sensitive infrared spectroscopy. , 2016, , .		0
62	DC Biasing Effects on Properties of Carbon Nanowalls by Microwave Surface-Wave Plasma Chemical Vapor Deposition and Towards Transparent Electrode. Transactions of the Materials Research Society of Japan, 2016, 41, 229-233.	0.2	1
63	Dispersion of Relatively Long Multi-walled Carbon Nanotubes in Water using Ozone Generated by Dielectric Barrier Discharge. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 180-185.	0.2	2
64	Ultrafast Snapshots of the Molecules Twisting in Liquid Crystal State. , 2016, , .		0
65	Single- and double-walled carbon nanotubes enhance atherosclerogenesis by promoting monocyte adhesion to endothelial cells and endothelial progenitor cell dysfunction. Particle and Fibre Toxicology, 2015, 13, 54.	2.8	23
66	Endovascular Therapy Is Effective for Leriche Syndrome with Deep Vein Thrombosis. Case Reports in Cardiology, 2015, 2015, 1-5.	0.1	3
67	Comparison of everolimus- and paclitaxel-eluting stents in dialysis patients. Cardiovascular Revascularization Medicine, 2015, 16, 208-212.	0.3	11
68	Improved properties of Carbon nanotube yarn spun from dense and long carbon nanotube forest. , 2015, , .		2
69	Antiplatelet therapy discontinuation and stent thrombosis after sirolimus-eluting stent implantation: Five-year outcome of the j-Cypher Registry. International Journal of Cardiology, 2015, 199, 296-301.	0.8	10
70	Synergistic Effect of Bolus Exposure to Zinc Oxide Nanoparticles on Bleomycin-Induced Secretion of Pro-Fibrotic Cytokines without Lasting Fibrotic Changes in Murine Lungs. International Journal of Molecular Sciences, 2015, 16, 660-676.	1.8	10
71	Transistors fabricated using the single crystals of [8]phenacene. Journal of Materials Chemistry C, 2015, 3, 7370-7378.	2.7	18
72	In situ observation of carbon nanotube yarn during voltage application. Micron, 2015, 74, 30-34.	1.1	4

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73	Validation of lactate level as a predictor of early mortality in acute decompensated heart failure patients who entered intensive care unit. Journal of Cardiology, 2015, 65, 164-170.	0.8	48
74	Comparison of sirolimus- and paclitaxel-eluting stents in patients with moderate renal insufficiency: results from the J-DESsERT trial. Cardiovascular Revascularization Medicine, 2014, 15, 323-328.	0.3	2
75	Fabrication of tin-filled carbon nanofibres by microwave plasma vapour deposition and their in situ heating observation by environmental transmission electron microscopy. Nanoscale Research Letters, 2013, 8, 302.	3.1	1
76	Study of intercalation compounds using ionic liquids into montmorillonite and their thermal stability. Solid State Ionics, 2013, 241, 53-61.	1.3	30
77	Influence of gas composition on the formation of graphene domain synthesized from camphor. Materials Letters, 2013, 93, 258-262.	1.3	35
78	Primary cardiac lymphoma diagnosed by endomyocardial biopsy using transthoracic echocardiography in the substernal window. Journal of Medical Ultrasonics (2001), 2013, 40, 483-485.	0.6	0
79	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. Journal of Materials Chemistry A, 2013, 1, 15135.	5.2	16
80	Fabrication of metal nanoparticles from metal-filled carbon nanofibers and their size control by heating. , 2013, , .		0
81	A photoinduced charge transfer composite of graphene oxide and ferrocene. Physical Chemistry Chemical Physics, 2013, 15, 1271-1274.	1.3	37
82	Synthesis of continuous graphene on metal foil for flexible transparent electrode application. , 2013, , .		0
83	Photovoltaic properties of an amorphous carbon/fullerene junction. Carbon, 2013, 60, 1-4.	5.4	11
84	Phthalocyanine with Trifluoroethoxy Substituents for Organic Solar Cells. Japanese Journal of Applied Physics, 2013, 52, 05DA07.	0.8	6
85	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
86	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. Japanese Journal of Applied Physics, 2012, 51, 04DK09.	0.8	5
87	Large-area CVD graphene as transparent electrode for efficient organic solar cells. , 2012, , .		4
88	Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. Japanese Journal of Applied Physics, 2012, 51, 01AB05.	0.8	2
89	Structural and Electrical Properties of Ozone Irradiated Carbon Nanotube Yarns and Sheets. Materials Express, 2012, 2, 357-362.	0.2	14
90	Synthesis of transfer-free graphene on an insulating substrate using a solid phase reaction. Nanoscale, 2012, 4, 7791.	2.8	24

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91	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2510-2513.	0.8	17
92	In-situ observation of carbon nanotube fiber spinning from vertically aligned carbon nanotube forest. Diamond and Related Materials, 2012, 24, 158-160.	1.8	18
93	High temperature in-situ observations of multi-segmented metal nanowires encapsulated within carbon nanotubes by in-situ filling technique. Nanoscale Research Letters, 2012, 7, 448.	3.1	5
94	Pre-treatment of multi-walled carbon nanotubes for polyetherimide mixed matrix hollow fiber membranes. Journal of Colloid and Interface Science, 2012, 386, 80-87.	5.0	30
95	In Situ 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
96	Growth and structure analysis of tungsten oxide nanorods using environmental TEM. Nanoscale Research Letters, 2012, 7, 85.	3.1	43
97	Effect of defects in ferromagnetic C doped ZnO thin films. Physica Status Solidi (B): Basic Research, 2012, 249, 1254-1257.	0.7	19
98	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
99	Transparent and flexible field emission display device based on singleâ€walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2012, 6, 303-305.	1.2	9
100	Fabrication of ZnO nanoparticles confined in the channels of mesoporous carbon. Chemical Engineering Journal, 2012, 179, 388-393.	6.6	32
101	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. Japanese Journal of Applied Physics, 2012, 51, 04DK09.	0.8	6
102	Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. Japanese Journal of Applied Physics, 2012, 51, 01AB05.	0.8	0
103	A Case of Honey-combed Appearance in Right Coronary Artery Observed by OCT. Cardiovascular Intervention and Therapeutics Japanese Edition, 2012, 4, 118-123.	0.0	0
104	Direct fabrication of aligned metal composite carbon nanofibers on copper substrate at room temperature and their field emission property. Chemical Communications, 2011, 47, 4820.	2.2	8
105	Simple methods for tuning the pore diameter of mesoporous carbon. Chemical Communications, 2011, 47, 10758.	2.2	20
106	Growth and structure analysis of tungsten oxide nanorods using environmental transmission electron microscopy. , 2011, , .		1
107	Electrical property of carbon nanotube Fiber spun from vertically aligned carbon nanotube forest. , 2011, , .		2
108	The growth and characterization of Zn nanowires covered with ZnO using plasma-assisted molecular beam irradiation. , 2011, , .		0

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109	In-situ TEM observation of internal metal inside metal filled carbon fiber. Diamond and Related Materials, 2011, 20, 210-212.	1.8	1
110	Growth evolution of rapid grown aligned carbon nanotube forests without water vapor on Fe/Al2O3/SiO2/Si substrate. Diamond and Related Materials, 2011, 20, 859-862.	1.8	14
111	Fabrication of Ion-Induced Carbon-Cobalt Nanocomposite Fibers: Effect of Cobalt Supply Rate. Journal of Nanoscience and Nanotechnology, 2011, 11, 10677-10681.	0.9	4
112	Preparation and Characterization of Electrical, Optical and Magnetic Properties of Hydrogenated Multilayer ZnO/Co Thin Films. Materials Express, 2011, 1, 237-244.	0.2	2
113	Direct Growth of Horizontally Aligned Carbon Nanotubes between Electrodes and Its Application to Field-Effect Transistors. Journal of Nanoscience and Nanotechnology, 2011, 11, 11011-11014.	0.9	1
114	Azidation of polyesters having pendent functionalities by using NaN3 or DPPAâ€"DBU and photo-crosslinking of the azidopolyesters. Polymer Journal, 2011, 43, 272-278.	1.3	7
115	Fabrication of Ge nanoneedles by ion-irradiation method. Surface and Coatings Technology, 2011, 206, 812-815.	2.2	1
116	Gas separation properties of functionalized carbon nanotubes mixed matrix membranes. Separation and Purification Technology, 2011, 78, 208-213.	3.9	138
117	A case of adult patient ductus arteriosus with congestive heart failure and severe mitral regurgitation. Cardiovascular Intervention and Therapeutics, 2011, 26, 278-280.	1.2	1
118	Neurosurgical robotic system for brain tumor removal. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 375-385.	1.7	37
119	Morphology control of a rapidly grown vertically aligned carbonâ€nanotube forest for fiber spinning. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2332-2334.	0.8	13
120	Determination of Youngâ€™s modulus of carbon nanofiber probes fabricated by the argon ion bombardment of carbon coated silicon cantilever. Carbon, 2011, 49, 4191-4196.	5.4	14
121	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. Applied Surface Science, 2011, 257, 3168-3173.	3.1	6
122	Influence of new fullerene derivatives with fluorocarbon substituent on performance of polymer solar cells. Physics Procedia, 2011, 14, 192-197.	1.2	5
123	Morphology and Size of Ion Induced Carbon Nanofibers: Effect of Ion Incidence Angle, Sputtering Rate, and Temperature. Japanese Journal of Applied Physics, 2011, 50, 01AF10.	0.8	3
124	High-Resolution Imaging of Plasmid DNA in Liquids in Dynamic Mode Atomic Force Microscopy Using a Carbon Nanofiber Tip. Japanese Journal of Applied Physics, 2011, 50, 08LB14.	0.8	7
125	POLY(3, 4-ETHYLENEDIOXYTHIOPHENE): POLY(STYRENESULFONATE)/SINGLE-WALL CARBON NANOTUBE COMPOSITE FILM FOR THE HOLE TRANSPORT LAYER IN POLYMER SOLAR CELLS. Nano, 2011, 06, 583-588.	0.5	3
126	Structural change of ion-induced carbon nanofibers by electron current flow. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 04E103.	0.6	2

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127	Highly transparent and flexible field emission devices based on single-walled carbon nanotube films. Chemical Communications, 2011, 47, 4980.	2.2	17
128	In vitro evaluation of cytotoxicity and oxidative stress induced by multiwalled carbon nanotubes in murine RAW 264.7 macrophages and human A549 lung cells. Biomedical and Environmental Sciences, 2011, 24, 593-601.	0.2	38
129	Carbon-Supported Growth of Cross-Linked Platinum Nanowires by Surfactant Templating and Their Elecrochemical Characterization. Journal of Nanoscience and Nanotechnology, 2010, 10, 5790-5795.	0.9	1
130	Development of a real-time tactile sensing system for brain tumor diagnosis. International Journal of Computer Assisted Radiology and Surgery, 2010, 5, 359-367.	1.7	18
131	A case of acute coronary syndrome caused by extrinsic compression of the left main coronary artery due to pulmonary hypertension. Journal of Cardiology Cases, 2010, 2, e154-e158.	0.2	5
132	Crystallinity-controlled iron-carbon composite nanofibersâ€"Synthesis and characteristic properties. Journal of Crystal Growth, 2010, 312, 1935-1939.	0.7	4
133	Electron spin resonance (ESR) analysis of Cu-doped ZnO and AlN films. Physica B: Condensed Matter, 2010, 405, 3952-3954.	1.3	2
134	Formation and growth mechanisms of ion-induced ironâ€"carbon nanocomposites at room temperature. Applied Surface Science, 2010, 256, 6371-6374.	3.1	6
135	Low-temperature fabrication and characterization of ion-induced Ge nanostructures. , 2010, , .		0
136	Poly[(3-hexylthiophene)-block-(3-semifluoroalkylthiophene)] for Polymer Solar Cells. International Journal of Molecular Sciences, 2010, 11, 5027-5039.	1.8	9
137	Fabrication of well ordered Zn nanorod arrays by ion irradiation method at room temperature and effect on crystal orientations. , 2010, , .		0
138	Morphology control of rapid grown vertically aligned carbon nanotube forest for fiber spinning. , 2010, , .		0
139	Growth and structure analysis of Tungsten oxide nanorods using Environmental TEM. , 2010, , .		0
140	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C2C9-C2C12.	0.6	9
141	Structural change of ion-induced carbon nanofibers by electron current flow. , 2010, , .		0
142	PREPARATION AND CHARACTERISTICS OF FUNCTIONALIZED MULTIWALLED CARBON NANOTUBES IN POLYIMIDE MIXED MATRIX MEMBRANE. Nano, 2010, 05, 195-202.	0.5	5
143	Fabrication and Morphological Control of Ion-Induced Zinc Nanostructures. Journal of Nanoscience and Nanotechnology, 2010, 10, 6677-6682.	0.9	3
144	Size Control of Carbon Nanofiber Probes Fabricated by Ion Irradiation. Japanese Journal of Applied Physics, 2010, 49, 08LB15.	0.8	0

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145	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. Nanotechnology, 2010, 21, 435702.	1.3	14
146	Transparent and Flexible Field Electron Emitters Based on the Conical Nanocarbon Structures. Journal of the American Chemical Society, 2010, 132, 4034-4035.	6.6	55
147	Direct growth of horizontally aligned carbon nanotubes between electrodes and its application to field-effect transistors. , 2010, , .		1
148	Improved open circuit voltage of the photovoltaic device using ferrocene as a donor material. Synthetic Metals, 2010, 160, 779-782.	2.1	4
149	Key role of the pore volume of zeolite for selective production of propylene from olefins. Physical Chemistry Chemical Physics, 2010, 12, 2541.	1.3	77
150	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: Effect of cobalt supply rate. , 2010, , .		1
151	New approach to breast tumor detection based on fluorescence x-ray analysis. GMS German Medical Science, 2010, 8, .	2.7	1
152	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
153	Ferromagnetism in Cu-doped AlN films. Applied Physics Letters, 2009, 95, .	1.5	55
154	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. Journal of Vacuum Science & Technology B, 2009, 27, 980.	1.3	7
155	Efficient Carbon Nanotube Field Emitter using Electrospun Carbon Nanofibers as a Flexible Electrode. Materials Research Society Symposia Proceedings, 2009, 1173, 7.	0.1	0
156	Growth and Nanoscale Magnetic Properties of Ferromagnetic Nanowire Encapsulated Inside Carbon Nanotubes. IEEE Transactions on Magnetics, 2009, 45, 2488-2491.	1.2	3
157	Synthesis and spectroscopic investigation of trifluoroethoxy-coated phthalocyanine linked with fullerene. Journal of Fluorine Chemistry, 2009, 130, 361-364.	0.9	32
158	Roomâ€temperature ferromagnetism of Cuâ€doped ZnO films deposited by helicon magnetron sputtering. Physica Status Solidi (B): Basic Research, 2009, 246, 1243-1247.	0.7	14
159	Effect of substrate temperature on the room-temperature ferromagnetism of Cu-doped ZnO films. Journal of Crystal Growth, 2009, 311, 4270-4274.	0.7	31
160	Fabrication of well ordered Zn nanorod arrays by ion irradiation method at room temperature and effect on crystal orientations. Applied Surface Science, 2009, 256, 1481-1485.	3.1	4
161	Effect of liquid nitrogen treatment on the structural, electrical and optical properties of indium tin oxide coated glass substrate. Chemical Physics Letters, 2009, 481, 68-72.	1.2	2
162	New diarylmethanofullerene derivatives and their properties for organic thin-film solar cells. Beilstein Journal of Organic Chemistry, 2009, 5, 7.	1.3	15

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163	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. , 2009, , .		0
164	Synthesis and characterization of carbon nanotube grown on flexible and conducting carbon fiber sheet for field emitter. Diamond and Related Materials, 2009, 18, 341-344.	1.8	9
165	Enhanced photovoltaic device performance upon modification of indium tin oxide coated glass by liquid nitrogen treatment. Journal Physics D: Applied Physics, 2009, 42, 042002.	1.3	20
166	Room-temperature synthesis and characterisation of ion-induced iron-carbon nanocomposite fibres. International Journal of Nanotechnology, 2009, 6, 753.	0.1	8
167	Morphological Control of Ion-Induced Carbon Nanofibers and Their Field Emission Properties. IEICE Transactions on Electronics, 2009, E92-C, 1449-1453.	0.3	0
168	Low-Temperature Fabrication of Ion-Induced Ge Nanostructures: Effect of Simultaneous Al Supply. IEICE Transactions on Electronics, 2009, E92-C, 1417-1420.	0.3	3
169	The Inner Shell Influence on the Electronic Structure of Doubleâ€Walled Carbon Nanotubes. Advanced Materials, 2008, 20, 189-194.	11.1	33
170	MOCVD growth of GaN on porous silicon substrates. Journal of Crystal Growth, 2008, 310, 4900-4903.	0.7	31
171	Formation and characterization of polymer/fullerene bulk heterojunction solar cells. Journal of Physics and Chemistry of Solids, 2008, 69, 1276-1279.	1.9	34
172	Bulk heterojunction solar cells based on two kinds of organic polymers and fullerene derivative. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 422-425.	2.3	21
173	ZnO Nanowire and $hbox{WS}_{2}$ Nanotube Electronics. IEEE Transactions on Electron Devices, 2008, 55, 2988-3000.	1.6	35
174	Room-temperature growth of ion-induced carbon nanofibers: Effects of ion species. Diamond and Related Materials, 2008, 17, 525-528.	1.8	9
175	Room-temperature growth and characterization of iron-carbon nanocomposite fibers. , 2008, , .		0
176	Room-temperature synthesis and characterization of cobalt-doped carbon nanofibers. Diamond and Related Materials, 2008, 17, 581-584.	1.8	5
177	Microstructure and local magnetic induction of segmented and alloyed Pd/Co nanocomposites encapsulated inside vertically aligned multiwalled carbon nanotubes. Diamond and Related Materials, 2008, 17, 1525-1528.	1.8	2
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