

# Yasuhiko Hayashi

## List of Publications by Year in Descending Order

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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.

218  
papers

2,748  
citations

28  
h-index

38  
g-index

248  
ext. papers

3,084  
ext. citations

4  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
218	Generation of sub-100fs electron pulses for time-resolved electron diffraction using a direct synchronization method. <i>Review of Scientific Instruments</i> , <b>2022</b> , 93, 053005	1.7	1
217	Challenges for developing photo-induced phase transition (PIPT) systems: From classical (incoherent) to quantum (coherent) control of PIPT dynamics. <i>Physics Reports</i> , <b>2021</b> , 942, 1-1	27.7	5
216	Improved room-temperature thermoelectric characteristics in F4TCNQ-doped CNT yarn/P3HT composite by controlled doping. <i>Organic Electronics</i> , <b>2021</b> , 90, 106056	3.5	2
215	Memristive Behavior in One-Dimensional Hexagonal Boron Nitride/Carbon Nanotube Heterostructure Assemblies. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3555-3566	4	3
214	Nanostructural characterization of carbon nanotube yarn high-strengthened by joule heating. <i>Carbon</i> , <b>2021</b> , 171, 437-443	10.4	3
213	Single crystal of two-dimensional mixed-halide copper-based perovskites with reversible thermochromism. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 3264-3270	7.1	7
212	Photoinduced oxygen transport in cobalt double-perovskite crystal EuBaCo <sub>2</sub> O <sub>5.39</sub> . <i>Applied Materials Today</i> , <b>2021</b> , 24, 101167	6.6	2
211	Temperature-dependent device properties of $\Gamma$ CuI and $\Gamma$ Ga <sub>2</sub> O <sub>3</sub> heterojunctions. <i>SN Applied Sciences</i> , <b>2021</b> , 3, 1	1.8	1
210	Supercapacitor electrode with high charge density based on boron-doped porous carbon derived from covalent organic frameworks. <i>Carbon</i> , <b>2021</b> , 184, 418-425	10.4	6
209	Synthesis and characterization of conductive flexible cellulose carbon nanohorn sheets for human tissue applications. <i>Biomaterials Research</i> , <b>2020</b> , 24, 18	16.8	6
208	Controlling Electronic States of Few-walled Carbon Nanotube Yarn via Joule-annealing and p-type Doping Towards Large Thermoelectric Power Factor. <i>Scientific Reports</i> , <b>2020</b> , 10, 7307	4.9	6
207	Synthesis of solvent-free conductive and flexible cellulose-carbon nanohorn sheets and their application as a water vapor sensor. <i>Materials Research Express</i> , <b>2020</b> , 7, 056402	1.7	4
206	A Review of Dry Spun Carbon Nanotube Yarns and Their Potential Applications in Energy and Mechanical Devices. <i>Journal of Fiber Science and Technology</i> , <b>2020</b> , 76, 72-78	0.8	2
205	Systematic Investigations of Annealing and Functionalization of Carbon Nanotube Yarns. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
204	Liquid-like dielectric response is an origin of long polaron lifetime exceeding 10 ps in lead bromide perovskites. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 084704	3.9	10
203	Reverse Engineering of Thin Films to Nanoparticles by Thermal Deposition for Large-Scale Production of Nanometals. <i>Journal of Nano Research</i> , <b>2020</b> , 61, 42-50	1	
202	Whitish daytime radiative cooling using diffuse reflection of non-resonant silica nanoshells. <i>Scientific Reports</i> , <b>2020</b> , 10, 6486	4.9	7

201	A mechanistic investigation of moisture-induced degradation of methylammonium lead iodide. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 253304	3.4	2
200	Phonon transport probed at carbon nanotube yarn/sheet boundaries by ultrafast structural dynamics. <i>Carbon</i> , <b>2020</b> , 170, 165-173	10.4	3
199	The critical role of the forest morphology for dry drawability of few-walled carbon nanotubes. <i>Carbon</i> , <b>2020</b> , 158, 662-671	10.4	6
198	Super-chiral vibrational spectroscopy with metasurfaces for high-sensitive identification of alanine enantiomers. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 101103	3.4	8
197	Selective Reduction Mechanism of Graphene Oxide Driven by the Photon Mode the Thermal Mode. <i>ACS Nano</i> , <b>2019</b> , 13, 10103-10112	16.7	21
196	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. <i>Nature Communications</i> , <b>2019</b> , 10, 4159	17.4	26
195	One-Minute Joule Annealing Enhances the Thermoelectric Properties of Carbon Nanotube Yarns via the Formation of Graphene at the Interface. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 7700-7708	6.1	14
194	Transistor Application and Intercalation Chemistry of $\pi$ -Conjugated Hydrocarbon Molecules <b>2019</b> , 229-252		
193	Association between J-CTO score and long-term target lesion revascularization rate after successful chronic total coronary occlusion angioplasty (from the J-CTO Registry). <i>Catheterization and Cardiovascular Interventions</i> , <b>2019</b> , 93, 1025-1032	2.7	10
192	Influence of pressure of nitrogen gas on structure and thermoelectric properties of acid-treated PEDOT:PSS films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 13534-13542	2.1	3
191	Temperature dependence of pressure-driven water permeation through membranes consisting of vertically-aligned double-walled carbon nanotube arrays. <i>Carbon</i> , <b>2019</b> , 146, 785-788	10.4	4
190	Mortality impact of post-discharge myocardial infarction size after percutaneous coronary intervention: a patient-level pooled analysis from the 4 large-scale Japanese studies. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2019</b> , 34, 47-58	2.5	1
189	In-situ X-ray diffraction reveals the degradation of crystalline $\text{CH}_3\text{NH}_3\text{PbI}_3$ by water-molecule collisions at room temperature. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 028001	1.4	6
188	Resistance-heating of carbon nanotube yarns in different atmospheres. <i>Carbon</i> , <b>2018</b> , 133, 232-238	10.4	10
187	Expansion of Shockley stacking fault observed by scanning electron microscope and partial dislocation motion in 4H-SiC. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 161580	2.5	8
186	Novel Techniques for Observing Structural Dynamics of Photoresponsive Liquid Crystals. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
185	High-performance structure of a coil-shaped soft-actuator consisting of polymer threads and carbon nanotube yarns. <i>AIP Advances</i> , <b>2018</b> , 8, 075316	1.5	7
184	Simultaneous improvement in electrical conductivity and Seebeck coefficient of PEDOT:PSS by N pressure-induced nitric acid treatment.. <i>RSC Advances</i> , <b>2018</b> , 8, 36563-36570	3.7	12

183	Bond Dissociation Triggering Molecular Disorder in Amorphous HO. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 9579-9584	2.8	6
182	Rapid Growth of Dense and Long Carbon Nanotube Arrays and Its Application in Spinning Thread <b>2018</b> ,		2
181	Long-term use of carvedilol in patients with ST-segment elevation myocardial infarction treated with primary percutaneous coronary intervention. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199347	3.7	17
180	Performance limit of daytime radiative cooling in warm humid environment. <i>AIP Advances</i> , <b>2018</b> , 8, 055124	2.4	45
179	A case of subacute stent thrombosis after drug-coated balloon coronary angioplasty for in-stent restenosis under single anti-platelet therapy. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2017</b> , 32, 170-173	2.5	
178	Ultrasonic-assisted synthesis of ZnO nano particles decked with few layered graphene nanocomposite as photoanode in dye-sensitized solar cell. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 6217-6225	2.1	12
177	Surface modification of carbon nanohorns by helium plasma and ozone treatments. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 01AB08	1.4	5
176	Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. <i>Carbon</i> , <b>2017</b> , 120, 358-365	10.4	25
175	Structural Monitoring of the Onset of Excited-State Aromaticity in a Liquid Crystal Phase. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15792-15800	16.4	44
174	Atrial electrical abnormality in patients with Brugada syndrome assessed by signal-averaged electrocardiography. <i>Indian Heart Journal</i> , <b>2017</b> , 69, 714-719	1.6	2
173	Synthesis of Hybrid Carbon Nanoparticles Using Multi-Walled Carbon Nanotubes and Fullerene via Self-Assembly. <i>Materials Science Forum</i> , <b>2017</b> , 900, 46-49	0.4	1
172	Cross-Polarized Surface-Enhanced Infrared Spectroscopy by Fano-Resonant Asymmetric Metamaterials. <i>Scientific Reports</i> , <b>2017</b> , 7, 3205	4.9	13
171	Multilayer graphene/amorphous carbon hybrid films prepared by microwave surface-wave plasma CVD: synthesis and characterization. <i>Surface and Interface Analysis</i> , <b>2017</b> , 49, 291-296	1.5	4
170	Simple Technique of Exfoliation and Dispersion of Multilayer Graphene from Natural Graphite by Ozone-Assisted Sonication. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	36
169	Structure optimization of metallodielectric multilayer for high-efficiency daytime radiative cooling <b>2017</b> ,		2
168	DC Biasing Effects on Properties of Carbon Nanowalls by Microwave Surface-Wave Plasma Chemical Vapor Deposition and Towards Transparent Electrode. <i>Transactions of the Materials Research Society of Japan</i> , <b>2016</b> , 41, 229-233	0.2	0
167	Single- and double-walled carbon nanotubes enhance atherosclerogenesis by promoting monocyte adhesion to endothelial cells and endothelial progenitor cell dysfunction. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 54	8.4	21
166	Dispersion of Relatively Long Multi-walled Carbon Nanotubes in Water using Ozone Generated by Dielectric Barrier Discharge. <i>IEEJ Transactions on Fundamentals and Materials</i> , <b>2016</b> , 136, 180-185	0.2	1

165	Synthesis and transistor application of the extremely extended phenacene molecule, [9]phenacene. <i>Scientific Reports</i> , <b>2016</b> , 6, 21008	4.9	37
164	The Difference between the optical coherence tomography (OCT) findings of newly progressed coronary lesions in symptomatic and asymptomatic patients. <i>International Journal of Cardiology</i> , <b>2016</b> , 222, 391-395	3.2	
163	Effect of ultraviolet light irradiation and ion collision on the quality of multilayer graphene prepared by microwave surface-wave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , <b>2016</b> , 66, 157-162	3.5	5
162	Antiplatelet therapy discontinuation and stent thrombosis after sirolimus-eluting stent implantation: five-year outcome of the j-Cypher Registry. <i>International Journal of Cardiology</i> , <b>2015</b> , 199, 296-301	3.2	8
161	Transistors fabricated using the single crystals of [8]phenacene. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7370-7378	7.1	15
160	In situ observation of carbon nanotube yarn during voltage application. <i>Micron</i> , <b>2015</b> , 74, 30-4	2.3	3
159	Validation of lactate level as a predictor of early mortality in acute decompensated heart failure patients who entered intensive care unit. <i>Journal of Cardiology</i> , <b>2015</b> , 65, 164-70	3	35
158	Endovascular Therapy Is Effective for Leriche Syndrome with Deep Vein Thrombosis. <i>Case Reports in Cardiology</i> , <b>2015</b> , 2015, 395205	0.6	0
157	Comparison of everolimus- and paclitaxel-eluting stents in dialysis patients. <i>Cardiovascular Revascularization Medicine</i> , <b>2015</b> , 16, 208-12	1.6	9
156	Improved properties of Carbon nanotube yarn spun from dense and long carbon nanotube forest <b>2015</b> ,		1
155	Synergistic effect of bolus exposure to zinc oxide nanoparticles on bleomycin-induced secretion of pro-fibrotic cytokines without lasting fibrotic changes in murine lungs. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 16, 660-76	6.3	7
154	Comparison of sirolimus- and paclitaxel-eluting stents in patients with moderate renal insufficiency: results from the J-DESsERT trial. <i>Cardiovascular Revascularization Medicine</i> , <b>2014</b> , 15, 323-8 <sup>1.6</sup>		2
153	Fabrication of tin-filled carbon nanofibres by microwave plasma vapour deposition and their in situ heating observation by environmental transmission electron microscopy. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 302	5	1
152	Study of intercalation compounds using ionic liquids into montmorillonite and their thermal stability. <i>Solid State Ionics</i> , <b>2013</b> , 241, 53-61	3.3	28
151	Influence of gas composition on the formation of graphene domain synthesized from camphor. <i>Materials Letters</i> , <b>2013</b> , 93, 258-262	3.3	30
150	Primary cardiac lymphoma diagnosed by endomyocardial biopsy using transthoracic echocardiography in the substernal window. <i>Journal of Medical Ultrasonics (2001)</i> , <b>2013</b> , 40, 483-5	1.4	
149	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15135	13	16
148	A photoinduced charge transfer composite of graphene oxide and ferrocene. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 1271-4	3.6	32

147	Photovoltaic properties of an amorphous carbon/fullerene junction. <i>Carbon</i> , <b>2013</b> , 60, 1-4	10.4	7
146	Phthalocyanine with Trifluoroethoxy Substituents for Organic Solar Cells. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 05DA07	1.4	5
145	Highly transparent and flexible field electron emitters based on hybrid carbon nanostructure. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 1080-1083	2.5	2
144	Synthesis of transfer-free graphene on an insulating substrate using a solid phase reaction. <i>Nanoscale</i> , <b>2012</b> , 4, 7791-6	7.7	19
143	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 2510-2513	1.6	14
142	In-situ observation of carbon nanotube fiber spinning from vertically aligned carbon nanotube forest. <i>Diamond and Related Materials</i> , <b>2012</b> , 24, 158-160	3.5	15
141	High temperature in-situ observations of multi-segmented metal nanowires encapsulated within carbon nanotubes by in-situ filling technique. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 448	5	5
140	Pre-treatment of multi-walled carbon nanotubes for polyetherimide mixed matrix hollow fiber membranes. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 386, 80-7	9.3	27
139	In situ TEM observation of Fe-included carbon nanofiber: evolution of structural and electrical properties in field emission process. <i>ACS Nano</i> , <b>2012</b> , 6, 9567-73	16.7	26
138	Growth and structure analysis of tungsten oxide nanorods using environmental TEM. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 85	5	33
137	Effect of defects in ferromagnetic C doped ZnO thin films. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 1254-1257	1.3	14
136	Controllable fabrication and characterization of conical nanocarbon structures on polymer substrate for transparent and flexible field emission displays. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 184-186	2.5	3
135	Transparent and flexible field emission display device based on single-walled carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 303-305	2.5	8
134	Fabrication of ZnO nanoparticles confined in the channels of mesoporous carbon. <i>Chemical Engineering Journal</i> , <b>2012</b> , 179, 388-393	14.7	30
133	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 04DK09	1.4	5
132	Large-area CVD graphene as transparent electrode for efficient organic solar cells <b>2012</b> ,		2
131	Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 01AB05	1.4	2
130	Structural and Electrical Properties of Ozone Irradiated Carbon Nanotube Yarns and Sheets. <i>Materials Express</i> , <b>2012</b> , 2, 357-362	1.3	14

129	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 04DK09	1.4	6
128	Low-Temperature Fabrication of Germanium Nanostructures by Ion Irradiation: Effect of Supplied Particle Species. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 01AB05	1.4	
127	A Case of Honey-combed Appearance in Right Coronary Artery Observed by OCT. <i>Cardiovascular Intervention and Therapeutics Japanese Edition</i> , <b>2012</b> , 4, 118-123		
126	Growth evolution of rapid grown aligned carbon nanotube forests without water vapor on Fe/Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> /Si substrate. <i>Diamond and Related Materials</i> , <b>2011</b> , 20, 859-862	3.5	13
125	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: effect of cobalt supply rate. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 10677-81	1.3	3
124	Preparation and Characterization of Electrical, Optical and Magnetic Properties of Hydrogenated Multilayer ZnO/Co Thin Films. <i>Materials Express</i> , <b>2011</b> , 1, 237-244	1.3	2
123	Direct growth of horizontally aligned carbon nanotubes between electrodes and its application to field-effect transistors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 11011-4	1.3	1
122	Azidation of polyesters having pendent functionalities by using NaN <sub>3</sub> or DPPADDBU and photo-crosslinking of the azidopolyesters. <i>Polymer Journal</i> , <b>2011</b> , 43, 272-278	2.7	7
121	Fabrication of Ge nanoneedles by ion-irradiation method. <i>Surface and Coatings Technology</i> , <b>2011</b> , 206, 812-815	4.4	1
120	Gas separation properties of functionalized carbon nanotubes mixed matrix membranes. <i>Separation and Purification Technology</i> , <b>2011</b> , 78, 208-213	8.3	118
119	A case of adult patient ductus arteriosus with congestive heart failure and severe mitral regurgitation. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2011</b> , 26, 278-80	2.5	0
118	Neurosurgical robotic system for brain tumor removal. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2011</b> , 6, 375-85	3.9	31
117	Morphology control of a rapidly grown vertically aligned carbon-nanotube forest for fiber spinning. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 2332-2334	1.6	12
116	Direct fabrication of aligned metal composite carbon nanofibers on copper substrate at room temperature and their field emission property. <i>Chemical Communications</i> , <b>2011</b> , 47, 4820-2	5.8	7
115	Simple methods for tuning the pore diameter of mesoporous carbon. <i>Chemical Communications</i> , <b>2011</b> , 47, 10758-60	5.8	18
114	In-situ TEM observation of internal metal inside metal filled carbon fiber. <i>Diamond and Related Materials</i> , <b>2011</b> , 20, 210-212	3.5	1
113	Determination of Young's modulus of carbon nanofiber probes fabricated by the argon ion bombardment of carbon coated silicon cantilever. <i>Carbon</i> , <b>2011</b> , 49, 4191-4196	10.4	14
112	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. <i>Applied Surface Science</i> , <b>2011</b> , 257, 3168-3173	6.7	4



111	Influence of new fullerene derivatives with fluorocarbon substituent on performance of polymer solar cells. <i>Physics Procedia</i> , <b>2011</b> , 14, 192-197		4
110	Morphology and Size of Ion Induced Carbon Nanofibers: Effect of Ion Incidence Angle, Sputtering Rate, and Temperature. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 01AF10	1.4	2
109	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> , <b>2011</b> , 50, 08LB14	1.4	6
108	POLY(3, 4-ETHYLENEDIOXYTHIOPHENE): POLY(STYRENESULFONATE)/SINGLE-WALL CARBON NANOTUBE COMPOSITE FILM FOR THE HOLE TRANSPORT LAYER IN POLYMER SOLAR CELLS. <i>Nano</i> , <b>2011</b> , 06, 583-588	1.1	3
107	Structural change of ion-induced carbon nanofibers by electron current flow. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , <b>2011</b> , 29, 04E103	1.3	1
106	Highly transparent and flexible field emission devices based on single-walled carbon nanotube films. <i>Chemical Communications</i> , <b>2011</b> , 47, 4980-2	5.8	17
105	In vitro evaluation of cytotoxicity and oxidative stress induced by multiwalled carbon nanotubes in murine RAW 264.7 macrophages and human A549 lung cells. <i>Biomedical and Environmental Sciences</i> , <b>2011</b> , 24, 593-601	1.1	36
104	Poly[(3-hexylthiophene)-block-(3-semifluoroalkylthiophene)] for polymer solar cells. <i>International Journal of Molecular Sciences</i> , <b>2010</b> , 11, 5027-39	6.3	9
103	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , <b>2010</b> , 28, C2C9-C2C12	1.3	8
102	PREPARATION AND CHARACTERISTICS OF FUNCTIONALIZED MULTIWALLED CARBON NANOTUBES IN POLYIMIDE MIXED MATRIX MEMBRANE. <i>Nano</i> , <b>2010</b> , 05, 195-202	1.1	5
101	Fabrication and morphological control of ion-induced zinc nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6677-82	1.3	2
100	Size Control of Carbon Nanofiber Probes Fabricated by Ion Irradiation. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 08LB15	1.4	
99	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. <i>Nanotechnology</i> , <b>2010</b> , 21, 435702	3.4	13
98	Transparent and flexible field electron emitters based on the conical nanocarbon structures. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4034-5	16.4	50
97	Direct growth of horizontally aligned carbon nanotubes between electrodes and its application to field-effect transistors <b>2010</b> ,		1
96	Improved open circuit voltage of the photovoltaic device using ferrocene as a donor material. <i>Synthetic Metals</i> , <b>2010</b> , 160, 779-782	3.6	4
95	Key role of the pore volume of zeolite for selective production of propylene from olefins. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2541-54	3.6	66
94	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: Effect of cobalt supply rate <b>2010</b> ,		1



93	Carbon-supported growth of cross-linked platinum nanowires by surfactant templating and their electrochemical characterization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 5790-5	1.3	1
92	Development of a real-time tactile sensing system for brain tumor diagnosis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2010</b> , 5, 359-67	3.9	13
91	A case of acute coronary syndrome caused by extrinsic compression of the left main coronary artery due to pulmonary hypertension. <i>Journal of Cardiology Cases</i> , <b>2010</b> , 2, e154-e158	0.6	3
90	Crystallinity-controlled iron-carbon composite nanofibers Synthesis and characteristic properties. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 1935-1939	1.6	3
89	Electron spin resonance (ESR) analysis of Cu-doped ZnO and AlN films. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, 3952-3954	2.8	2
88	Formation and growth mechanisms of ion-induced iron-carbon nanocomposites at room temperature. <i>Applied Surface Science</i> , <b>2010</b> , 256, 6371-6374	6.7	3
87	New approach to breast tumor detection based on fluorescence x-ray analysis. <i>GMS German Medical Science</i> , <b>2010</b> , 8,	3.2	1
86	Ferromagnetism in Cu-doped AlN films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 112111	3.4	44
85	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, 980		6
84	Efficient Carbon Nanotube Field Emitter Using Electrospun Carbon Nanofibers as a Flexible Electrode. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1173, 7		
83	Growth and Nanoscale Magnetic Properties of Ferromagnetic Nanowire Encapsulated Inside Carbon Nanotubes. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2488-2491	2	3
82	Synthesis and spectroscopic investigation of trifluoroethoxy-coated phthalocyanine linked with fullerene. <i>Journal of Fluorine Chemistry</i> , <b>2009</b> , 130, 361-364	2.1	31
81	Room-temperature ferromagnetism of Cu-doped ZnO films deposited by helicon magnetron sputtering. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 1243-1247	1.3	14
80	Effect of substrate temperature on the room-temperature ferromagnetism of Cu-doped ZnO films. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 4270-4274	1.6	25
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