Yasuhiko Hayashi

List of Publications by Year
in descending order

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243	3,401	159525	254106
papers	citations	30 h-index	43 g-index

249	249	249	4654
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas separation properties of functionalized carbon nanotubes mixed matrix membranes. Separation and Purification Technology, 2011, 78, 208-213.	3.9	138
2	Low resistivity p-ZnO films fabricated by sol-gel spin coating. Applied Physics Letters, 2006, 88, 251116.	1.5	96
3	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
4	Performance limit of daytime radiative cooling in warm humid environment. AIP Advances, 2018, 8, .	0.6	63
5	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
6	Optical Properties of Indium-Doped ZnO Films. Japanese Journal of Applied Physics, 2006, 45, 1623-1628.	0.8	55
7	Ferromagnetism in Cu-doped AlN films. Applied Physics Letters, 2009, 95, .	1.5	55
8	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
9	Spectroscopic properties of nitrogen doped hydrogenated amorphous carbon films grown by radio frequency plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2001, 89, 7924-7931.	1.1	54
10	Photovoltaic characteristics of boron-doped hydrogenated amorphous carbon on n-Si substrate prepared by r.f. plasma-enhanced CVD using trimethylboron. Diamond and Related Materials, 2003, 12, 687-690.	1.8	50
11	A photovoltaic cell from p-type boron-doped amorphous carbon film. Solar Energy Materials and Solar Cells, 2003, 77, 105-112.	3.0	49
12	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
13	Simple Technique of Exfoliation and Dispersion of Multilayer Graphene from Natural Graphite by Ozone-Assisted Sonication. Nanomaterials, 2017, 7, 125.	1.9	48
14	Synthesis and transistor application of the extremely extended phenacene molecule, [9]phenacene. Scientific Reports, 2016, 6, 21008.	1.6	46
15	Effect of rf power on the photovoltaic properties of boron-doped amorphous carbon/n-type silicon junction fabricated by plasma enhanced chemical vapor deposition. Thin Solid Films, 2005, 482, 86-89.	0.8	45
16	Growth and structure analysis of tungsten oxide nanorods using environmental TEM. Nanoscale Research Letters, 2012, 7, 85.	3.1	43
17	Ultrafast isomerization-induced cooperative motions to higher molecular orientation in smectic liquid-crystalline azobenzene molecules. Nature Communications, 2019, 10, 4159.	5.8	41
18	Facile fabrication method for pâ•n-type and ambipolar transport polyphenylenevinylene-based thin-film field-effect transistors by blending C60 fullerene. Applied Physics Letters, 2005, 86, 052104.	1.5	40

#	Article	IF	Citations
19	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
20	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
21	Neurosurgical robotic system for brain tumor removal. International Journal of Computer Assisted Radiology and Surgery, 2011, 6, 375-385.	1.7	37
22	A photoinduced charge transfer composite of graphene oxide and ferrocene. Physical Chemistry Chemical Physics, 2013, 15, 1271-1274.	1.3	37
23	ZnO Nanowire and $hbox{WS}_{2}$ Nanotube Electronics. IEEE Transactions on Electron Devices, 2008, 55, 2988-3000.	1.6	35
24	Influence of gas composition on the formation of graphene domain synthesized from camphor. Materials Letters, 2013, 93, 258-262.	1.3	35
25	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
26	An approach for utilization of organic polymer as a sensitizer in solid-state cells. Solar Energy Materials and Solar Cells, 2003, 77, 15-24.	3.0	34
27	Optical properties of conjugated poly(3-hexylthiophene)/[6,6]-phenylC61-butyric acid methyl ester composites. Journal of Applied Physics, 2007, 102, 083104.	1.1	34
28	Formation and characterization of polymer/fullerene bulk heterojunction solar cells. Journal of Physics and Chemistry of Solids, 2008, 69, 1276-1279.	1.9	34
29	The Inner Shell Influence on the Electronic Structure of Doubleâ€Walled Carbon Nanotubes. Advanced Materials, 2008, 20, 189-194.	11.1	33
30	Synthesis and spectroscopic investigation of trifluoroethoxy-coated phthalocyanine linked with fullerene. Journal of Fluorine Chemistry, 2009, 130, 361-364.	0.9	32
31	Fabrication of ZnO nanoparticles confined in the channels of mesoporous carbon. Chemical Engineering Journal, 2012, 179, 388-393.	6.6	32
32	Optical and structural properties of nitrogen doped amorphous carbon films grown by rf plasma-enhanced CVD. Diamond and Related Materials, 2001, 10, 1002-1006.	1.8	31
33	MOCVD growth of GaN on porous silicon substrates. Journal of Crystal Growth, 2008, 310, 4900-4903.	0.7	31
34	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
35	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
36	Water transport phenomena through membranes consisting of vertically-aligned double-walled carbon nanotube array. Carbon, 2017, 120, 358-365.	5.4	31

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37	Influence of Structure and C60Composition on Properties of Blends and Bilayers of Organic Donor-Acceptor Polymer/C60Photovoltaic Devices. Japanese Journal of Applied Physics, 2005, 44, 1296-1300.	0.8	30
38	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
39	Study of intercalation compounds using ionic liquids into montmorillonite and their thermal stability. Solid State Ionics, 2013, 241, 53-61.	1.3	30
40	Selective Reduction Mechanism of Graphene Oxide Driven by the Photon Mode versus the Thermal Mode. ACS Nano, 2019, 13, 10103-10112.	7.3	30
41	Effect of Radio Frequency Power on the Properties of Hydrogenated Amorphous Carbon Films Grown by Radio Frequency Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2000, 39, 4088-4093.	0.8	29
42	Ultrafast carrier dynamics on conjugated poly(3-hexylthiophene)/[6,6]-phenylC61-butyric acid methyl ester composites. Applied Physics Letters, 2007, 91, 111117.	1.5	28
43	Synthesis, morphology and random laser action of ZnO nanostructures. Surface Science, 2007, 601, 2660-2663.	0.8	27
44	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
45	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
46	Tenascin-C is Associated With Coronary Plaque Instability in Patients With Acute Coronary Syndromes. Circulation Journal, 2004, 68, 198-203.	0.7	25
47	Synthesis and characterization of metal-filled carbon nanotubes by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2005, 14, 790-793.	1.8	24
48	Synthesis of transfer-free graphene on an insulating substrate using a solid phase reaction. Nanoscale, 2012, 4, 7791.	2.8	24
49	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
50	Low density of defect states in hydrogenated amorphous carbon thin films grown by plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2001, 78, 294-296.	1.5	23
51	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
52	Highly Oriented Carbon Nanotube Supercapacitors. ACS Applied Nano Materials, 2022, 5, 1521-1532.	2.4	23
53	Boron-Incorporated Amorphous Carbon Films Deposited by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2002, 41, L970-L973.	0.8	22
54	Corn-shape carbon nanofibers with dense graphite synthesized by microwave plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2004, 84, 2886-2888.	1.5	22

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55	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
56	Microstructure of metal-filled carbon nanotubes. Journal of Electron Microscopy, 2004, 53, 149-155.	0.9	20
57	Synthesis, microstructure and photoluminescence of well-aligned ZnO nanorods on Si substrate. Science and Technology of Advanced Materials, 2007, 8, 443-447.	2.8	20
58	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
59	Simple methods for tuning the pore diameter of mesoporous carbon. Chemical Communications, 2011, 47, 10758.	2.2	20
60	Cobalt nanorods fully encapsulated in carbon nanotube and magnetization measurements by off-axis electron holography. Applied Physics Letters, 2006, 88, 243118.	1.5	19
61	Effect of defects in ferromagnetic C doped ZnO thin films. Physica Status Solidi (B): Basic Research, 2012, 249, 1254-1257.	0.7	19
62	Super-chiral vibrational spectroscopy with metasurfaces for high-sensitive identification of alanine enantiomers. Applied Physics Letters, 2020, 117, .	1.5	19
63	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
64	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
65	Transistors fabricated using the single crystals of [8]phenacene. Journal of Materials Chemistry C, 2015, 3, 7370-7378.	2.7	18
66	Cross-Polarized Surface-Enhanced Infrared Spectroscopy by Fano-Resonant Asymmetric Metamaterials. Scientific Reports, 2017, 7, 3205.	1.6	18
67	Room-Temperature CW Operation of AlGaAs/GaAs SQW Lasers on Si Substrates by MOCVD Using AlGaAs/AlGaP Intermediate Layers. Japanese Journal of Applied Physics, 1990, 29, L1133-L1135.	0.8	17
68	Highly transparent and flexible field emission devices based on single-walled carbon nanotube films. Chemical Communications, 2011, 47, 4980.	2.2	17
69	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
70	Low-temperature growth of GaAs polycrystalline films on glass substrates for space solar cell application. Journal of Crystal Growth, 2000, 221, 688-692.	0.7	16
71	Reaction of indium ate complexes with allylic compounds. Controlling SN2/SN2â€² selectivity by solvents. Tetrahedron Letters, 2004, 45, 3225-3228.	0.7	16
72	Development of new materials for solar cells in Nagoya Institute of Technology. Science and Technology of Advanced Materials, 2005, 6, 27-33.	2.8	16

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73	Self-assembled monolayer electrode of a diiron complex with a phenoxo-based dinucleating ligand: observation of molecular oxygenadsorption/desorption in aqueous media. Chemical Communications, 2008, , 392-394.	2.2	16
74	Phenol resin carbonized films with anisotropic shrinkage driven ordered mesoporous structures. Journal of Materials Chemistry A, 2013, 1, 15135.	5.2	16
75	Efficient nitrogen incorporation into amorphous carbon films by double beam method. Diamond and Related Materials, 2005, 14, 970-974.	1.8	15
76	Encapsluation of Co and Pd multi-metal nanowires inside multiwalled carbon nanotubes by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2007, 16, 1200-1203.	1.8	15
77	New diarylmethanofullerene derivatives and their properties for organic thin-film solar cells. Beilstein Journal of Organic Chemistry, 2009, 5, 7.	1.3	15
78	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
79	The critical role of the forest morphology for dry drawability of few-walled carbon nanotubes. Carbon, 2020, 158, 662-671.	5.4	15
80	Growth and characterization of GaAs epitaxial layers on Si/porous Si/Si substrate by chemical beam epitaxy. Journal of Applied Physics, 2001, 89, 5215-5218.	1.1	14
81	Carbon nanotubes on carbon fabrics for flexible field emitter arrays. Applied Physics Letters, 2008, 93, 053107.	1.5	14
82	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
83	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. Nanotechnology, 2010, 21, 435702.	1.3	14
84	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
85	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
86	Structural and Electrical Properties of Ozone Irradiated Carbon Nanotube Yarns and Sheets. Materials Express, 2012, 2, 357-362.	0.2	14
87	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
88	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
89	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
90	Thermal Stress Relaxation in GaAs Layer on New Thin Si Layer over Porous Si Substrate Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 1998, 37, L1354-L1357.	0.8	13

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91	Origin of yellow luminescence in n-GaN induced by high-energy 7MeV electron irradiation. Physica B: Condensed Matter, 2001, 304, 12-17.	1.3	13
92	Determination of optical properties of nitrogen-doped hydrogenated amorphous carbon films by spectroscopic ellipsometry. Applied Physics Letters, 2001, 78, 3962-3964.	1.5	13
93	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
94	Experience with Emergency Cardiac Surgery Following Institution of Percutaneous Cardiopulmonary Support. Artificial Organs, 1999, 23, 496-499.	1.0	12
95	Resistance-heating of carbon nanotube yarns in different atmospheres. Carbon, 2018, 133, 232-238.	5.4	12
96	Preparation of carbon micro-coils involving the decomposition of hydrocarbons using PACT (plasma) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.4	11
97	Structural, optical and mechanical properties of nanostructure diamond synthesized by chemical vapor deposition. Tribology International, 2004, 37, 965-974.	3.0	11
98	Formation of wedge-shaped carbon film by chemical vapor deposition method and observation using transmission electron microscopy. Scripta Materialia, 2005, 52, 1205-1209.	2.6	11
99	Encapsulation of segmented Pdâ€“Co nanocomposites into vertically aligned carbon nanotubes by plasma-hydrogen-induced demixing. Applied Physics Letters, 2007, 90, 133116.	1.5	11
100	Photovoltaic properties of an amorphous carbon/fullerene junction. Carbon, 2013, 60, 1-4.	5.4	11
101	Comparison of everolimus- and paclitaxel-eluting stents in dialysis patients. Cardiovascular Revascularization Medicine, 2015, 16, 208-212.	0.3	11
102	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
103	Whitish daytime radiative cooling using diffuse reflection of non-resonant silica nanoshells. Scientific Reports, 2020, 10, 6486.	1.6	11
104	Memristive Behavior in One-Dimensional Hexagonal Boron Nitride/Carbon Nanotube Heterostructure Assemblies. ACS Applied Electronic Materials, 2021, 3, 3555-3566.	2.0	11
105	Immunohistochemical analysis of hepatocyte growth factor in human coronary atherectomy specimens: comparison with transforming growth factor beta isoforms. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1997, 430, 407-415.	1.4	10
106	Quinapril with high affinity to tissue angiotensin-converting enzyme reduces restenosis after percutaneous transcatheter coronary intervention. Cardiovascular Drugs and Therapy, 2001, 15, 323-329.	1.3	10
107	Preparation of Platinum Nanoparticles in Heterogeneous Solid-Liquid System by Ultrasound and Microwave Irradiation. Journal of Nanoscience and Nanotechnology, 2008, 8, 4482-4487.	0.9	10
108	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

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109	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
110	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
111	Synthesis and characterization of conductive flexible cellulose carbon nanohorn sheets for human tissue applications. Biomaterials Research, 2020, 24, 18.	3.2	10
112	Systematic Investigations of Annealing and Functionalization of Carbon Nanotube Yarns. Molecules, 2020, 25, 1144.	1.7	10
113	Room-temperature growth of ion-induced carbon nanofibers: Effects of ion species. Diamond and Related Materials, 2008, 17, 525-528.	1.8	9
114	Morphological and structural characterization of metal-doped carbon nanofibers synthesized at room temperature. Journal of Physics: Conference Series, 2008, 100, 012029.	0.3	9
115	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
116	Poly[(3-hexylthiophene)-block-(3-semifluoroalkylthiophene)] for Polymer Solar Cells. International Journal of Molecular Sciences, 2010, 11, 5027-5039.	1.8	9
117	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
118	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
119	Microstructure Analyses of Metal-Filled Carbon Nanotubes Synthesized by Microwave Plasma-Enhanced Chemical Vapor Deposition. IEEE Nanotechnology Magazine, 2006, 5, 485-490.	1.1	8
120	Room-temperature synthesis and characterisation of ion-induced iron-carbon nanocomposite fibres. International Journal of Nanotechnology, 2009, 6, 753.	0.1	8
121	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
122	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
123	High-performance structure of a coil-shaped soft-actuator consisting of polymer threads and carbon nanotube yarns. AIP Advances, 2018, 8, .	0.6	8
124	Nanostructural characterization of carbon nanotube yarn high-strengthened by joule heating. Carbon, 2021, 171, 437-443.	5.4	8
125	Growth of GaAs epitaxial layers on Si substrate with porous Si intermediate layer by chemical beam epitaxy. Journal of Crystal Growth, 2002, 237-239, 1450-1454.	0.7	7
126	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. Journal of Vacuum Science & Technology B, 2009, 27, 980.	1.3	7

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127	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
128	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
129	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
130	Surface modification of carbon nanohorns by helium plasma and ozone treatments. Japanese Journal of Applied Physics, 2017, 56, 01AB08.	0.8	7
131	Bond Dissociation Triggering Molecular Disorder in Amorphous H₂O. Journal of Physical Chemistry A, 2018, 122, 9579-9584.	1.1	7
132	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
133	Zincâ€Based Metalâ€“Organic Frameworks for Highâ€Performance Supercapacitor Electrodes: Mechanism Underlying Pore Generation. Energy and Environmental Materials, 2023, 6, .	7.3	7
134	Single Crystals of Mixedâ€Cation Copperâ€Based Perovskite with Trimodal Bandgap Behavior. Chemistry - A European Journal, 2022, , .	1.7	7
135	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
136	Theoretical Studies on Hole Transport and the Effective Hall Factor in Cubic Phase ofp-Type GaN. Japanese Journal of Applied Physics, 1999, 38, 622-630.	0.8	6
137	The formation of a (111) texture of the diamond film on Pt/TiO2/SiO /Si substrate by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2002, 11, 499-503.	1.8	6
138	Modification of the physical properties of chemical vapor-deposited nanostructure diamond by argon-hydrogen plasma surface treatment. Physics of the Solid State, 2004, 46, 733-737.	0.2	6
139	Formation and growth mechanisms of ion-induced ironâ€“carbon nanocomposites at room temperature. Applied Surface Science, 2010, 256, 6371-6374.	3.1	6
140	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. Applied Surface Science, 2011, 257, 3168-3173.	3.1	6
141	Phthalocyanine with Trifluoroethoxy Substituents for Organic Solar Cells. Japanese Journal of Applied Physics, 2013, 52, 05DA07.	0.8	6
142	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
143	Improved room-temperature thermoelectric characteristics in F4TCNQ-doped CNT yarn/P3HT composite by controlled doping. Organic Electronics, 2021, 90, 106056.	1.4	6
144	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. Japanese Journal of Applied Physics, 2012, 51, 04DK09.	0.8	6

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145	Hyperinsulinemia as a Risk Factor for Restenosis After Coronary Balloon Angioplasty.. Japanese Circulation Journal, 2001, 65, 947-952.	1.0	5
146	Synthesis of corn-shape carbon nanofibers on Si and Mo substrates by bias-enhanced microwave plasma chemical vapor deposition. Diamond and Related Materials, 2004, 13, 1198-1202.	1.8	5
147	Characterization of amorphous carbon nitride by bottom-gated thin-film structure. Diamond and Related Materials, 2006, 15, 1015-1018.	1.8	5
148	Demixing of Solid-Soluted Co-Pd Binary Alloy Induced by Microwave Plasma Hydrogen Irradiation Technique. Japanese Journal of Applied Physics, 2006, 45, L860-L863.	0.8	5
149	Facile fabrication and structural studies of filtered Ge nanowires from aged Alâ€“Ge alloy. Scripta Materialia, 2007, 57, 281-284.	2.6	5
150	Room-temperature synthesis and characterization of cobalt-doped carbon nanofibers. Diamond and Related Materials, 2008, 17, 581-584.	1.8	5
151	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
152	PREPARATION AND CHARACTERISTICS OF FUNCTIONALIZED MULTIWALLED CARBON NANOTUBES IN POLYIMIDE MIXED MATRIX MEMBRANE. Nano, 2010, 05, 195-202.	0.5	5
153	Influence of new fullerene derivatives with fluorocarbon substituent on performance of polymer solar cells. Physics Procedia, 2011, 14, 192-197.	1.2	5
154	Fundamental Study on Organic Solar Cells Based on Soluble Zinc Phthalocyanine. Japanese Journal of Applied Physics, 2012, 51, 04DK09.	0.8	5
155	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
156	Temperature-dependent device properties of Î³-CuI and Î²-Ga2O3 heterojunctions. SN Applied Sciences, 2021, 3, 1.	1.5	5
157	Phonon transport probed at carbon nanotube yarn/sheet boundaries by ultrafast structural dynamics. Carbon, 2020, 170, 165-173.	5.4	5
158	Enhancement of the mechanical and thermal transport properties of carbon nanotube yarns by boundary structure modulation. Nanotechnology, 2022, 33, 235707.	1.3	5
159	Role of cyclic process in the initial stage of diamond deposition during bias enhanced nucleation. Journal of Applied Physics, 2002, 91, 9752.	1.1	4
160	Characterization of transport properties of multiwalled carbon nanotube networks by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2006, 15, 1138-1142.	1.8	4
161	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
162	Crystallinity-controlled iron-carbon composite nanofibersâ€”Synthesis and characteristic properties. Journal of Crystal Growth, 2010, 312, 1935-1939.	0.7	4

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163	Improved open circuit voltage of the photovoltaic device using ferrocene as a donor material. Synthetic Metals, 2010, 160, 779-782.	2.1	4
164	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
165	Large-area CVD graphene as transparent electrode for efficient organic solar cells. , 2012, , .		4
166	In situ observation of carbon nanotube yarn during voltage application. Micron, 2015, 74, 30-34.	1.1	4
167	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
168	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
169	Photovoltaic Properties of Boron-Incorporated Amorphous Carbon on n-Si Heterojunction Grown by Radio Frequency Plasma-Enhanced Chemical Vapor Deposition Using Trimethylboron. Japanese Journal of Applied Physics, 2003, 42, L273-L276.	0.8	3
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