

Li-Chyong Chen

List of Publications by Year in descending order

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444
papers

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10956

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447
all docs

447
docs citations

447
times ranked

25366
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the effect of sputtering pressures on the thermoelectric properties of GeTe films. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162342.	2.8	10
2	Metal-free four-in-one modification of g-C ₃ N ₄ for superior photocatalytic CO ₂ reduction and H ₂ evolution. <i>Chemical Engineering Journal</i> , 2022, 430, 132853.	6.6	44
3	Bandgap Shrinkage and Charge Transfer in 2D Layered SnS ₂ Doped with V for Photocatalytic Efficiency Improvement. <i>Small</i> , 2022, 18, e2105076.	5.2	8
4	Achieving synergistic performance through highly compacted microcrystalline rods induced in Mo doped GeTe based compounds. <i>Materials Today Physics</i> , 2022, 22, 100571.	2.9	3
5	Enhancing the photovoltaic properties of SnS-Based solar cells by crystallographic orientation engineering. <i>Solar Energy Materials and Solar Cells</i> , 2022, 236, 111499.	3.0	11
6	Boosting photocatalytic CO ₂ reduction in a ZnS/ZnIn ₂ S ₄ heterostructure through strain-induced direct Z-scheme and a mechanistic study of molecular CO ₂ interaction thereon. <i>Nano Energy</i> , 2022, 93, 106809.	8.2	110
7	Co ₃ V ₂ O ₈ hollow spheres with mesoporous walls as high-capacitance electrode for hybrid supercapacitor device. <i>Chemical Engineering Journal</i> , 2022, 436, 135225.	6.6	42
8	Photocatalytic CO ₂ reduction for C ₂ -C ₃ oxy-compounds on ZIF-67 derived carbon with TiO ₂ . <i>Journal of CO₂ Utilization</i> , 2022, 58, 101920.	3.3	8
9	Atomistic insights into highly active reconstructed edges of monolayer 2H-WSe ₂ photocatalyst. <i>Nature Communications</i> , 2022, 13, 1256.	5.8	35
10	Enhancing the Areal Capacity and Stability of Cu ₂ ZnSnS ₄ Anode Materials by Carbon Coating: Mechanistic and Structural Studies During Lithiation and Delithiation. <i>ACS Omega</i> , 2022, 7, 9152-9163.	1.6	4
11	Superior lithium-ion storage performance of hierarchical tin disulfide and carbon nanotube-carbon cloth composites. <i>Journal of Power Sources</i> , 2021, 482, 228923.	4.0	19
12	Electronic structure modulation of isolated Co-N ₄ electrocatalyst by sulfur for improved pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , 2021, 80, 105544.	8.2	37
13	Microstructural intra-granular cracking in Cu ₂ ZnSnS ₄ @C thin-film anode enhanced the electrochemical performance in lithium-ion battery applications. <i>Materials Advances</i> , 2021, 2, 5672-5685.	2.6	3
14	Nanoscale redox mapping at the MoS ₂ -liquid interface. <i>Nature Communications</i> , 2021, 12, 1321.	5.8	19
15	Solar to hydrocarbon production using metal-free water-soluble bulk heterojunction of conducting polymer nanoparticle and graphene oxide. <i>Journal of Chemical Physics</i> , 2021, 154, 164707.	1.2	2
16	Two-Dimensional Layered NiLiP ₂ S ₆ Crystals as an Efficient Bifunctional Electrocatalyst for Overall Water Splitting. <i>Catalysts</i> , 2021, 11, 786.	1.6	3
17	Copper Zinc Tin Sulfide Anode Materials for Lithium-Ion Batteries at Low Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8970-8979.	3.2	12
18	Impact of Cation Substitution in (Ag _x Cu _{1-x}) ₂ ZnSnSe ₄ Absorber-Based Solar Cells toward 10% Efficiency: Experimental and Theoretical Analyses. <i>Solar Rrl</i> , 2021, 5, 2100441.	3.1	11

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19	Synergistic Dual-Atom Molecular Catalyst Derived from Low-Temperature Pyrolyzed Heterobimetallic Macrocyclic N ₄ Corrole Complex for Oxygen Reduction. <i>Small</i> , 2021, 17, e2103823.	5.2	11
20	Impact of Cation Substitution in (Ag _{1-x} Cu _x) ₂ ZnSnSe ₄ Absorber-Based Solar Cells toward 10% Efficiency: Experimental and Theoretical Analyses. <i>Solar Rrl</i> , 2021, 5, 2170106.	3.1	1
21	Thickness-Dependent Photocatalysis of Ultra-Thin MoS ₂ Film for Visible-Light-Driven CO ₂ Reduction. <i>Catalysts</i> , 2021, 11, 1295.	1.6	7
22	Integrated nano-architected photocatalysts for photochemical CO ₂ reduction. <i>Nanoscale</i> , 2020, 12, 23301-23332.	2.8	59
23	Band Edge Tailoring in Few-Layer Two-Dimensional Molybdenum Sulfide/Selenide Alloys. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22893-22902.	1.5	9
24	Fast growth of large-grain and continuous MoS ₂ films through a self-capping vapor-liquid-solid method. <i>Nature Communications</i> , 2020, 11, 3682.	5.8	76
25	Probing the active site in single-atom oxygen reduction catalysts via operando X-ray and electrochemical spectroscopy. <i>Nature Communications</i> , 2020, 11, 4233.	5.8	80
26	A mechanistic study of molecular CO ₂ interaction and adsorption on carbon implanted SnS ₂ thin film for photocatalytic CO ₂ reduction activity. <i>Nano Energy</i> , 2020, 72, 104717.	8.2	55
27	Highly improved thermoelectric performance of BiCuTeO achieved by decreasing the oxygen content. <i>Materials Today Physics</i> , 2020, 15, 100248.	2.9	9
28	On the Reduction of O ₂ on Cathode Surfaces of Co ^{II} -Corrin and Co ^{II} -Porphyrin: A Computational and Experimental Study on Their Relative Efficiencies in H ₂ O/H ₂ O ₂ Formation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4652-4659.	1.5	4
29	Synergistic optimization of thermoelectric performance of Sb doped GeTe with a strained domain and domain boundaries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5332-5341.	5.2	42
30	Controlling the Oxidation State of the Cu Electrode and Reaction Intermediates for Electrochemical CO ₂ Reduction to Ethylene. <i>Journal of the American Chemical Society</i> , 2020, 142, 2857-2867.	6.6	342
31	(Invited) SnS ₂ Thin Film and Powder for Artificial Photosynthesis. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3095-3095.	0.0	0
32	(Invited) Defect Engineering and Surface Probing of Few-Layer MoS ₂ As Photocatalyst for CO ₂ Reduction to Solar Fuels. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3132-3132.	0.0	0
33	KSCN-induced Interfacial Dipole in Black TiO ₂ for Enhanced Photocatalytic CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25186-25194.	4.0	54
34	Enhanced Thermoelectric Performance via Oxygen Manipulation in BiCuTeO. <i>MRS Advances</i> , 2019, 4, 499-505.	0.5	2
35	Ultrasensitive Gas Sensors Based on Vertical Graphene Nanowalls/SiC/Si Heterostructure. <i>ACS Sensors</i> , 2019, 4, 406-412.	4.0	46
36	Enhanced thermoelectric performance of BiCuTeO by excess Bi additions. <i>Ceramics International</i> , 2019, 45, 9254-9259.	2.3	11

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37	Interface engineering of CdS/CZTSSe heterojunctions for enhancing the Cu ₂ ZnSn(S,Se) ₄ solar cell efficiency. <i>Materials Today Energy</i> , 2019, 13, 256-266.	2.5	23
38	Enhanced thermoelectric performance of GeTe through <i>in situ</i> microdomain and Ge-vacancy control. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15181-15189.	5.2	56
39	Highly efficient nitrogen and carbon coordinated Ni-Co electrocatalysts on reduced graphene oxide derived from vitamin-B12 for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7179-7185.	5.2	41
40	Origin of Band Modulation in GeTe-Rich GeSbTe Thin Film. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2619-2625.	2.0	3
41	The dual-defective SnS ₂ monolayers: promising 2D photocatalysts for overall water splitting. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26292-26300.	1.3	18
42	Carbon-doped SnS ₂ nanostructure as a high-efficiency solar fuel catalyst under visible light. <i>Nature Communications</i> , 2018, 9, 169.	5.8	350
43	Ge-Rich SiGe Mode-Locker for Erbium-Doped Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-10.	1.9	4
44	Flexible sensor for dopamine detection fabricated by the direct growth of Fe ₂ O ₃ nanoparticles on carbon cloth. <i>Applied Surface Science</i> , 2018, 427, 387-395.	3.1	47
45	A synergistic cascade-effect in copper zinc tin sulfide nanowalls for highly stable and efficient lithium ion storage. <i>Nano Energy</i> , 2018, 44, 438-446.	8.2	24
46	Ni Nanocluster Modified Black TiO ₂ with Dual Active Sites for Selective Photocatalytic CO ₂ Reduction. <i>Small</i> , 2018, 14, 1702928.	5.2	116
47	Influence of GeP precipitates on the thermoelectric properties of P-type GeTe and Ge _{0.9} P _x Sb _{0.1} Te compounds. <i>CrystEngComm</i> , 2018, 20, 6449-6457.	1.3	7
48	Multicolor Ultralow-Threshold Random Laser Assisted by Vertical Graphene Network. <i>Advanced Optical Materials</i> , 2018, 6, 1800382.	3.6	35
49	Above 10% efficiency earth-abundant Cu ₂ ZnSn(S,Se) ₄ solar cells by introducing alkali metal fluoride nanolayers as electron-selective contacts. <i>Nano Energy</i> , 2018, 51, 597-603.	8.2	21
50	Photoconduction properties and anomalous power-dependent quantum efficiency in non-polar ZnO epitaxial films grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	10
51	Geogrid-Inspired Nanostructure to Reinforce a Cu _x Zn _y Sn _z S Nanowall Electrode for High-Stability Electrochemical Energy Conversion Devices. <i>Advanced Energy Materials</i> , 2017, 7, 1602210.	10.2	14
52	Pyrolysis of Iron-Vitamin B9 As a Potential Nonprecious Metal Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2897-2905.	3.2	13
53	Hybrid bimetallic-N4 electrocatalyst derived from a pyrolyzed ferrocene-Co-corrole complex for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9279-9286.	5.2	24
54	Multi-porous Co ₃ O ₄ nanoflakes @ sponge-like few-layer partially reduced graphene oxide hybrids: towards highly stable asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12569-12577.	5.2	96

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55	High- β Samarium-Based Metal-Organic Framework for Gate Dielectric Applications. ACS Applied Materials & Interfaces, 2017, 9, 21872-21878.	4.0	21
56	Enhanced hydrogen evolution reaction on hybrids of cobalt phosphide and molybdenum phosphide. Royal Society Open Science, 2017, 4, 161016.	1.1	16
57	Co-solvent effect on microwave-assisted Cu ₂ ZnSnS ₄ nanoparticles synthesis for thin film solar cell. Solar Energy Materials and Solar Cells, 2017, 161, 416-423.	3.0	12
58	Improved Solar-Driven Photocatalytic Activity of Hybrid Graphene Quantum Dots/ZnO Nanowires: A Direct Z -Scheme Mechanism. ACS Sustainable Chemistry and Engineering, 2017, 5, 367-375.	3.2	109
59	Membrane protein assembly: two cytoplasmic phosphorylated serine sites of Vpu from HIV-1 affect oligomerization. Scientific Reports, 2016, 6, 28866.	1.6	9
60	Understanding the Interplay between Molecule Orientation and Graphene Using Polarized Raman Spectroscopy. ACS Photonics, 2016, 3, 985-991.	3.2	12
61	Fabrication of Cu ₂ ZnSnSe ₄ solar cells through multi-step selenization of layered metallic precursor film. Thin Solid Films, 2016, 618, 42-49.	0.8	11
62	A facile and green synthesis of copper zinc tin sulfide materials for thin film photovoltaics. Thin Solid Films, 2016, 618, 124-129.	0.8	1
63	Enhanced thermoelectric performance in a percolated bismuth sulfide composite. RSC Advances, 2016, 6, 98952-98955.	1.7	6
64	Enhanced solar cell performance of Cu ₂ ZnSn(S,Se) ₄ thin films through structural control by using multi-metallic stacked nanolayers and fast ramping process for sulfo-selenization. Nano Energy, 2016, 30, 762-770.	8.2	26
65	Thickness-Dependent Binding Energy Shift in Few-Layer MoS ₂ Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2016, 8, 22637-22646.	4.0	51
66	Photoconductivities in m-plane and c-plane ZnO epitaxial films grown by chemical vapor deposition on LiGaO ₂ substrates: a comparative study. RSC Advances, 2016, 6, 86095-86100.	1.7	6
67	Improving the thermoelectric performance of metastable rock-salt GeTe-rich Ge-Sb-Te thin films through tuning of grain orientation and vacancies. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 3122-3129.	0.8	9
68	Nonlinear bandgap opening behavior of BN co-doped graphene. Carbon, 2016, 107, 857-864.	5.4	23
69	Directly-Grown Hierarchical Carbon Nanotube@Polypyrrole Core-Shell Hybrid for High-Performance Flexible Supercapacitors. ChemSusChem, 2016, 9, 370-378.	3.6	52
70	Enhancement of charge collection at shorter wavelengths from alternative CdS deposition conditions for high efficiency CZTSSe solar cells. Solar Energy Materials and Solar Cells, 2016, 149, 49-54.	3.0	15
71	Beaded stream-like CoSe ₂ nanoneedle array for efficient hydrogen evolution electrocatalysis. Journal of Materials Chemistry A, 2016, 4, 4553-4561.	5.2	89
72	Nano-textured fluidic biochip as biological filter for selective survival of neuronal cells. Journal of Biomedical Materials Research - Part A, 2015, 103, 2015-2023.	2.1	11

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73	Pulsed electrochemical deposition of Pt NPs on polybenzimidazole-CNT hybrid electrode for high-temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14398-14404.	3.8	7
74	A nontoxic solvent based sol-gel Cu ₂ ZnSnS ₄ thin film for high efficiency and scalable low-cost photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15324-15330.	5.2	52
75	Functionalizing Biomaterials to Be an Efficient Proton-Exchange Membrane and Methanol Barrier for DMFCs. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 302-308.	3.2	24
76	Design for Approaching Cicada-Wing Reflectance in Low- and High-Index Biomimetic Nanostructures. <i>ACS Nano</i> , 2015, 9, 301-311.	7.3	86
77	Side Group of Poly(3-alkylthiophene)s Controlled Dispersion of Single-Walled Carbon Nanotubes for Transparent Conducting Film. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4616-4622.	4.0	11
78	A new anodic buffer layer material for non-mixed planar heterojunction chloroboron subphthalocyanine organic photovoltaic achieving 96% internal quantum efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2015, 137, 138-145.	3.0	10
79	Bifacial sodium-incorporated treatments: Tailoring deep traps and enhancing carrier transport properties in Cu ₂ ZnSnS ₄ solar cells. <i>Nano Energy</i> , 2015, 16, 438-445.	8.2	70
80	The Effects of Fluorine-Contained Molecules on Improving the Polymer Solar Cell by Curing the Anomalous S-Shaped I-V Curve. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6683-6689.	4.0	3
81	Transparent, Broadband, Flexible, and Bifacial-Operable Photodetectors Containing a Large-Area Graphene-Gold Oxide Heterojunction. <i>ACS Nano</i> , 2015, 9, 5093-5103.	7.3	62
82	Edge promoted ultrasensitive electrochemical detection of organic bio-molecules on epitaxial graphene nanowalls. <i>Biosensors and Bioelectronics</i> , 2015, 70, 137-144.	5.3	40
83	Enhanced thermoelectric performance of GeTe-rich germanium antimony tellurides through the control of composition and structure. <i>CrystEngComm</i> , 2015, 17, 3440-3445.	1.3	25
84	Conducting polymer-based flexible supercapacitor. <i>Energy Science and Engineering</i> , 2015, 3, 2-26.	1.9	516
85	Vertically aligned epitaxial graphene nanowalls with dominated nitrogen doping for superior supercapacitors. <i>Carbon</i> , 2015, 82, 124-134.	5.4	67
86	Comparison of CVD- and MBE-grown GaN Nanowires: Crystallinity, Photoluminescence, and Photoconductivity. <i>Journal of Electronic Materials</i> , 2015, 44, 177-187.	1.0	14
87	Hierarchically Porous Calcium-containing Manganese Dioxide Nanorod Bundles with Superior Photoelectrochemical Activity. <i>ChemCatChem</i> , 2014, 6, 1684-1690.	1.8	9
88	Plasmon management in index engineered 2.5D hybrid nanostructures for surface-enhanced Raman scattering. <i>NPG Asia Materials</i> , 2014, 6, e123-e123.	3.8	7
89	Photoelectrochemical activity on Ga-polar and N-polar GaN surfaces for energy conversion. <i>Optics Express</i> , 2014, 22, A21.	1.7	26
90	Effect of Copper Oxide Oxidation State on the Polymer-Based Solar Cell Buffer Layers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22445-22450.	4.0	36

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91	Assessing structural, free-charge carrier, and phonon properties of mixed-phase epitaxial films: The case of InN. <i>Physical Review B</i> , 2014, 90, .	1.1	15
92	Surface diffusion controlled formation of high quality vertically aligned InN nanotubes. <i>Journal of Applied Physics</i> , 2014, 116, 124301.	1.1	7
93	Excitons and biexcitons in InGaN quantum dot like localization centers. <i>Nanotechnology</i> , 2014, 25, 495702.	1.3	6
94	Optical properties of plasma-assisted molecular beam epitaxy grown InN/sapphire. <i>Optical Materials</i> , 2014, 37, 1-4.	1.7	7
95	Production and Storage of Energy with One-Dimensional Semiconductor Nanostructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 109-153.	6.8	9
96	Complete Corrosion Inhibition through Graphene Defect Passivation. <i>ACS Nano</i> , 2014, 8, 443-448.	7.3	225
97	Chloroboron subphthalocyanine/C60 planar heterojunction organic solar cell with N,N-dicarbazolyl-3,5-benzene blocking layer. <i>Solar Energy Materials and Solar Cells</i> , 2014, 122, 264-270.	3.0	33
98	Highly Efficient Visible Light Photocatalytic Reduction of CO ₂ to Hydrocarbon Fuels by Cu-Nanoparticle Decorated Graphene Oxide. <i>Nano Letters</i> , 2014, 14, 6097-6103.	4.5	312
99	Surface plasmon resonance-induced color-selective Au-peapodded silica nanowire photodetectors with high photoconductive gain. <i>Nanoscale</i> , 2014, 6, 1264-1270.	2.8	13
100	Nondestructive Characterization of the Structural Quality and Thickness of Large-Area Graphene on Various Substrates. <i>Analytical Chemistry</i> , 2014, 86, 7192-7199.	3.2	8
101	Direct assessment of the mechanical modulus of graphene co-doped with low concentrations of boron and nitrogen by a non-contact approach. <i>Nanoscale</i> , 2014, 6, 8635.	2.8	10
102	A high performance polybenzimidazole-CNT hybrid electrode for high-temperature proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7015-7019.	5.2	21
103	SIMS methodology for probing the fate and dispersion of catalytically active molecules. <i>International Journal of Mass Spectrometry</i> , 2014, 370, 107-113.	0.7	5
104	Binder-free rice husk-based silicon-graphene composite as energy efficient Li-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13437-13441.	5.2	109
105	Cobalt-Phosphate-Assisted Photoelectrochemical Water Oxidation by Arrays of Molybdenum-Doped Zinc Oxide Nanorods. <i>ChemSusChem</i> , 2014, 7, 2748-2754.	3.6	19
106	Fabrication of m-axial InGaN nanocolumn arrays on silicon substrates using triethylgallium precursor chemical vapor deposition approach. <i>Applied Surface Science</i> , 2014, 299, 92-96.	3.1	1
107	Graphene-to-Substrate Energy Transfer through Out-of-Plane Longitudinal Acoustic Phonons. <i>Nano Letters</i> , 2014, 14, 1317-1323.	4.5	30
108	Novel Iron Oxyhydroxide Lepidocrocite Nanosheet as Ultrahigh Power Density Anode Material for Asymmetric Supercapacitors. <i>Small</i> , 2014, 10, 3803-3810.	5.2	143

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109	Growth of $\text{In}^{2+}\text{-Ga}_2\text{O}_3$ and GaN nanowires on GaN for photoelectrochemical hydrogen generation. <i>Nanotechnology</i> , 2013, 24, 055401.	1.3	27
110	Suppressed piezoelectric polarization in single InGaN/GaN heterostructure nanowires. <i>Physical Review B</i> , 2013, 88, .	1.1	11
111	Resistance memory device of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ on Si nanotips template. <i>Applied Physics Letters</i> , 2013, 103, 211606.	1.5	6
112	High-performance pyrolyzed iron corrole as a potential non-precious metal catalyst for PEMFCs. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14692.	5.2	25
113	Using Optical Anisotropy as a Quality Factor To Rapidly Characterize Structural Qualities of Large-Area Graphene Films. <i>Analytical Chemistry</i> , 2013, 85, 1605-1614.	3.2	11
114	Band Gap Engineering of Chemical Vapor Deposited Graphene by <i>in Situ</i> BN Doping. <i>ACS Nano</i> , 2013, 7, 1333-1341.	7.3	252
115	Graphene oxide as a promising photocatalyst for CO_2 to methanol conversion. <i>Nanoscale</i> , 2013, 5, 262-268.	2.8	424
116	A stable silicon/graphene composite using solvent exchange method as anode material for lithium ion batteries. <i>Carbon</i> , 2013, 63, 397-403.	5.4	50
117	Direct-growth of poly(3,4-ethylenedioxythiophene) nanowires/carbon cloth as hierarchical supercapacitor electrode in neutral aqueous solution. <i>Journal of Power Sources</i> , 2013, 242, 718-724.	4.0	60
118	Improved corrosion resistance of GaN electrodes in NaCl electrolyte for photoelectrochemical hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14433-14439.	3.8	14
119	Effect of chemical doping of boron and nitrogen on the electronic, optical, and electrochemical properties of carbon nanotubes. <i>Progress in Materials Science</i> , 2013, 58, 565-635.	16.0	276
120	Imaging layer number and stacking order through formulating Raman fingerprints obtained from hexagonal single crystals of few layer graphene. <i>Nanotechnology</i> , 2013, 24, 015702.	1.3	48
121	Atomistic nucleation sites of Pt nanoparticles on N-doped carbon nanotubes. <i>Nanoscale</i> , 2013, 5, 6812.	2.8	35
122	High <i>K</i> Nanophase Zinc Oxide on Biomimetic Silicon Nanotip Array as Supercapacitors. <i>Nano Letters</i> , 2013, 13, 1422-1428.	4.5	27
123	Anomalous quantum efficiency for photoconduction and its power dependence in metal oxide semiconductor nanowires. <i>Nanoscale</i> , 2013, 5, 6867.	2.8	22
124	Photoconduction efficiencies of metal oxide semiconductor nanowires: The material's inherent properties. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	16
125	Nucleation of single GaN nanorods with diameters smaller than 35 nm by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	6
126	Surface plasmon-enhanced gas sensing in single gold-peapodded silica nanowires. <i>NPG Asia Materials</i> , 2013, 5, e49-e49.	3.8	19

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127	Biomimetic nanostructures for anti-reflection (AR) devices. , 2012, , 108-146.		1
128	Growth of sparse arrays of narrow GaN nanorods hosting spectrally stable InGaN quantum disks. Optics Express, 2012, 20, 16166.	1.7	11
129	Photoconduction efficiencies and dynamics in GaN nanowires grown by chemical vapor deposition and molecular beam epitaxy: A comparison study. Applied Physics Letters, 2012, 101, .	1.5	17
130	Spontaneous Synthesis and Electrochemical Characterization of Nanostructured MnO ₂ on Nitrogen-Incorporated Carbon Nanotubes. International Journal of Electrochemistry, 2012, 2012, 1-10.	2.4	2
131	Magnetic-field and temperature dependence of the energy gap in InN nanobelt. AIP Advances, 2012, 2, .	0.6	2
132	Gold nanoparticle-modulated conductivity in gold peapodded silica nanowires. Nanoscale, 2012, 4, 3660.	2.8	8
133	Patterned growth of nanocrystalline silicon thin films through magnesiothermic reduction of soda lime glass. Green Chemistry, 2012, 14, 896.	4.6	19
134	Polarized and diameter-dependent Raman scattering from individual aluminum nitride nanowires: The antenna and cavity effects. Applied Physics Letters, 2012, 101, 121902.	1.5	15
135	Room-temperature heteroepitaxy of single-phase Al _{1-x} In _x N films with full composition range on isostructural wurtzite templates. Thin Solid Films, 2012, 524, 113-120.	0.8	24
136	Dynamic characteristics of the exciton and the biexciton in a single InGaN quantum dot. Applied Physics Letters, 2012, 101, 061910.	1.5	18
137	Photochemically active reduced graphene oxide with controllable oxidation level. RSC Advances, 2012, 2, 11258.	1.7	22
138	Effect of substrate bias on the promotion of nanocrystalline silicon growth from He-diluted SiH ₄ plasma at low temperature. Journal of Materials Research, 2012, 27, 1303-1313.	1.2	12
139	Vitalizing fuel cells with vitamins: pyrolyzed vitamin B12 as a non-precious catalyst for enhanced oxygen reduction reaction of polymer electrolyte fuel cells. Energy and Environmental Science, 2012, 5, 5305-5314.	15.6	115
140	Giant Positive Magnetoresistance in Ferromagnetic Manganites/Silicon Nanotips Diode. Journal of Physical Chemistry C, 2012, 116, 21132-21137.	1.5	9
141	High stability of oxidation of methanol catalyzed by Pt supported by oxygen-incorporated bamboo-shaped CNTs grown directly on carbon cloth. International Journal of Hydrogen Energy, 2012, 37, 10663-10670.	3.8	5
142	Eco-Friendly Plasmonic Sensors: Using the Photothermal Effect to Prepare Metal Nanoparticle-Containing Test Papers for Highly Sensitive Colorimetric Detection. Analytical Chemistry, 2012, 84, 5140-5145.	3.2	67
143	Preparation of non-precious metal catalysts for PEMFC cathode from pyrolyzed vitamin B12. International Journal of Hydrogen Energy, 2012, 37, 13755-13762.	3.8	25
144	Graphene nanosheet-CNT hybrid nanostructure electrode for a proton exchange membrane fuel cell. International Journal of Hydrogen Energy, 2012, 37, 18989-18995.	3.8	34

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145	Stand-up structure of graphene-like carbon nanowalls on CNT directly grown on polyacrylonitrile-based carbon fiber paper as supercapacitor. <i>Diamond and Related Materials</i> , 2012, 25, 176-179.	1.8	67
146	Nitrogen-Functionalized Graphene Nanoflakes (GNFs:N): Tunable Photoluminescence and Electronic Structures. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16251-16258.	1.5	51
147	Enhancing efficiency with fluorinated interlayers in small molecule organic solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22899.	6.7	20
148	Visible-light-driven photocatalytic carbon-doped porous ZnO nanoarchitectures for solar water-splitting. <i>Nanoscale</i> , 2012, 4, 6515.	2.8	126
149	Stacking Orientation Mediation of Pentacene and Derivatives for High Open-Circuit Voltage Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1079-1083.	2.1	11
150	Plasmonic Ag@Ag ₃ (PO ₄) ₂ ·xH ₂ O nanoparticle photosensitized ZnO nanorod-array photoanodes for water oxidation. <i>Energy and Environmental Science</i> , 2012, 5, 8917.	15.6	103
151	High-cell-voltage supercapacitor of carbon nanotube/carbon cloth operating in neutral aqueous solution. <i>Journal of Materials Chemistry</i> , 2012, 22, 3383.	6.7	126
152	Birnessite-type manganese oxides nanosheets with hole acceptor assisted photoelectrochemical activity in response to visible light. <i>Journal of Materials Chemistry</i> , 2012, 22, 2733-2739.	6.7	89
153	Pyrolyzed Cobalt Corrole as a Potential Non-Precious Catalyst for Fuel Cells. <i>Advanced Functional Materials</i> , 2012, 22, 3500-3508.	7.8	97
154	Tunable Photoluminescence from Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6662-6666.	7.2	584
155	Highly Proton-Selective Biopolymer Layer-Coated Ion-Exchange Membrane for Direct Methanol Fuel Cells. <i>ChemSusChem</i> , 2012, 5, 392-395.	3.6	20
156	Studies of Electronic Excitations of Rectangular ZnO Nanorods by Electron Energy-Loss Spectroscopy. <i>Plasmonics</i> , 2012, 7, 123-130.	1.8	6
157	Effect of substrate temperature on orientation of subphthalocyanine molecule in organic photovoltaic cells. <i>Thin Solid Films</i> , 2012, 520, 2289-2292.	0.8	22
158	Enhancements in device efficiency of poly(3-hexylthiophene): [6,6]-phenyl C ₆₁ -butyric acid methyl ester based solar cells with incorporation of bathocuproine. <i>Thin Solid Films</i> , 2012, 520, 5413-5416.	0.8	4
159	Polarized emission and excitonic fine structure energies of InGaN quantum dots. <i>Physica B: Condensed Matter</i> , 2012, 407, 1553-1555.	1.3	1
160	Recent Advances in GaN Nanowires: Surface-Controlled Conduction and Sensing Applications. <i>Springer Series in Materials Science</i> , 2012, , 295-315.	0.4	3
161	Catalytic performance of plate-type Cu/Fe nanocomposites on ZnO nanorods for oxidative steam reforming of methanol. <i>Chemical Communications</i> , 2011, 47, 1473-1475.	2.2	19
162	Microwave-activated CuO nanotip/ZnO nanorod nanoarchitectures for efficient hydrogen production. <i>Journal of Materials Chemistry</i> , 2011, 21, 324-326.	6.7	46

#	ARTICLE	IF	CITATIONS
163	Reversible phase transformation of MnO ₂ nanosheets in an electrochemical capacitor investigated by in situ Raman spectroscopy. <i>Chemical Communications</i> , 2011, 47, 1252-1254.	2.2	196
164	A self-reductive mesoporous CuOx/Fe/silicate nanocomposite as a highly active and stable catalyst for methanol reforming. <i>Chemical Communications</i> , 2011, 47, 9414.	2.2	7
165	High performance of catalysts supported by directly grown PTFE-free micro-porous CNT layer in a proton exchange membrane fuel cell. <i>Journal of Materials Chemistry</i> , 2011, 21, 2512.	6.7	34
166	Photocurrent Mapping in High-Efficiency Radial p-n Junction Silicon Nanowire Solar Cells Using Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21981-21986.	1.5	18
167	Oxygen reducing activity of methanol-tolerant catalysts by high-temperature pyrolysis. <i>Diamond and Related Materials</i> , 2011, 20, 322-329.	1.8	19
168	A COMPARATIVE STUDY OF OPTICAL PROPERTIES OF C3N AND CN3 SYSTEMS THROUGH DENSITY FUNCTIONAL THEORY (DFT). <i>International Journal of Nanoscience</i> , 2011, 10, 361-365.	0.4	2
169	Ultrasensitive in Situ Label-Free DNA Detection Using a GaN Nanowire-Based Extended-Gate Field-Effect-Transistor Sensor. <i>Analytical Chemistry</i> , 2011, 83, 1938-1943.	3.2	129
170	Origin and tuning of surface optic and long wavelength phonons in biomimetic GaAs nanotip arrays. <i>Optical Materials Express</i> , 2011, 1, 535.	1.6	2
171	Tuning open-circuit voltage in organic solar cells by magnesium modified Alq3. <i>Journal of Applied Physics</i> , 2011, 110, 083104.	1.1	4
172	Top Laminated Graphene Electrode in a Semitransparent Polymer Solar Cell by Simultaneous Thermal Annealing/Releasing Method. <i>ACS Nano</i> , 2011, 5, 6564-6570.	7.3	188
173	Tuning energy levels in magnesium modified Alq3. <i>Journal of Applied Physics</i> , 2011, 109, 083541.	1.1	4
174	Two-domain formation during the epitaxial growth of GaN (0001) on c-plane Al ₂ O ₃ (0001) by high power impulse magnetron sputtering. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	18
175	Electron field emission properties of highly dense carbon nanotube arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 11-16.	1.1	11
176	Label free sub-picomole level DNA detection with Ag nanoparticle decorated Au nanotip arrays as surface enhanced Raman spectroscopy platform. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2413-2418.	5.3	36
177	The production of SiC nanowalls sheathed with a few layers of strained graphene and their use in heterogeneous catalysis and sensing applications. <i>Carbon</i> , 2011, 49, 4911-4919.	5.4	31
178	Au nanoparticle modified GaN photoelectrode for photoelectrochemical hydrogen generation. <i>Electrochemistry Communications</i> , 2011, 13, 530-533.	2.3	18
179	Highly flexible supercapacitors with manganese oxide nanosheet/carbon cloth electrode. <i>Electrochimica Acta</i> , 2011, 56, 7124-7130.	2.6	224
180	Raman scattering and Rutherford backscattering studies on InN films grown by plasma-assisted molecular beam epitaxy. <i>Thin Solid Films</i> , 2011, 519, 6778-6782.	0.8	5

#	ARTICLE	IF	CITATIONS
181	Low-Frequency Contact Noise of GaN Nanowire Device Detected by Cross-Spectrum Technique. Japanese Journal of Applied Physics, 2011, 50, 06GF21.	0.8	0
182	Photoconduction and the electronic structure of silica nanowires embedded with gold nanoparticles. Physical Review B, 2011, 84, .	1.1	13
183	Photoconduction mechanism of zero-dimensional In Ga_xIn_{1-x} nanowires. Physical Review B, 2011, 84, .	1.1	23
184	Optical properties of functionalized GaN nanowires. Journal of Applied Physics, 2011, 109, 053523.	1.1	17
185	Unintentional incorporation of hydrogen in wurtzite InN with different surface orientations. Journal of Applied Physics, 2011, 110, .	1.1	3
186	Size-dependent persistent photocurrent and surface band bending in m-axial GaN nanowires. Physical Review B, 2011, 84, .	1.1	50
187	Giant room temperature electric-field-assisted magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ /n-Si nanotip heterojunctions. Nanotechnology, 2011, 22, 125701.	1.3	3
188	Photoconduction mechanism of oxygen sensitization in InN nanowires. Nanotechnology, 2011, 22, 425702.	1.3	11
189	Energy production and conversion applications of one-dimensional semiconductor nanostructures. NPC Asia Materials, 2011, 3, 74-81.	3.8	29
190	A Comparative Study of Optical Anisotropies of BC ₃ and B ₃ C Systems by Density Functional Theory. ISRN Nanotechnology, 2011, 2011, 1-9.	1.3	3
191	Low-Frequency Contact Noise of GaN Nanowire Device Detected by Cross-Spectrum Technique. Japanese Journal of Applied Physics, 2011, 50, 06GF21.	0.8	2
192	Growth Orientation Dependent Hardness for Epitaxial Wurtzite InN Films. Journal of Nanoscience and Nanotechnology, 2010, 10, 5170-5174.	0.9	5
193	Correlating defect density with carrier mobility in large-scaled graphene films: Raman spectral signatures for the estimation of defect density. Nanotechnology, 2010, 21, 465705.	1.3	86
194	Spectroscopic characterizations of individual single-crystalline GaN nanowires in visible/ultra-violet regime. Micron, 2010, 41, 827-832.	1.1	3
195	Near infrared photodetector based on polymer and indium nitride nanorod organic/inorganic hybrids. Scripta Materialia, 2010, 63, 653-656.	2.6	31
196	A complete Raman mapping of phase transitions in Si under indentation. Journal of Raman Spectroscopy, 2010, 41, 334-339.	1.2	17
197	Flexible supercapacitor based on polyaniline nanowires/carbon cloth with both high gravimetric and area-normalized capacitance. Journal of Power Sources, 2010, 195, 4418-4422.	4.0	312
198	Anti-reflecting and photonic nanostructures. Materials Science and Engineering Reports, 2010, 69, 1-35.	14.8	531

#	ARTICLE	IF	CITATIONS
199	Direct voltammetric sensing of L-Cysteine at pristine GaN nanowires electrode. Biosensors and Bioelectronics, 2010, 26, 1688-1691.	5.3	57
200	The preparation of silver nanoparticle decorated silica nanowires on fused quartz as reusable versatile nanostructured surface-enhanced Raman scattering substrates. Nanotechnology, 2010, 21, 025502.	1.3	27
201	m-plane (101̄±0) InN heteroepitaxied on (100)-̄1̄3-LiAlO2 substrate: Growth orientation control and characterization of structural and optical anisotropy. Journal of Applied Physics, 2010, 107, 073502.	1.1	10
202	Hydrogen in InN: A ubiquitous phenomenon in molecular beam epitaxy grown material. Applied Physics Letters, 2010, 96, .	1.5	36
203	Direct observation of amorphization in load rate dependent nanoindentation studies of crystalline Si. Applied Physics Letters, 2010, 96, .	1.5	22
204	Structural anisotropy of nonpolar and semipolar InN epitaxial layers. Journal of Applied Physics, 2010, 108, .	1.1	21
205	Effects of cathode buffer layers on the efficiency of bulk-heterojunction solar cells. Applied Physics Letters, 2010, 96, .	1.5	58
206	Room-temperature negative photoconductivity in degenerate InN thin films with a supergap excitation. Physical Review B, 2010, 81, .	1.1	72
207	Anisotropic surface plasmon excitation in Au/silica nanowire. Applied Physics Letters, 2010, 96, 263106.	1.5	4
208	Effect of XeF laser treatment on structure of nanocrystalline diamond films. Diamond and Related Materials, 2010, 19, 445-448.	1.8	7
209	Focused Ion Beam Induced Nanojunction and Defect Doping as a Building Block for Nanoscale Electronics in GaN Nanowires. Journal of Physical Chemistry C, 2010, 114, 15260-15265.	1.5	7
210	Influence of Solvent on the Dispersion of Single-Walled Carbon Nanotubes in Polymer Matrix and the Photovoltaic Performance. Journal of Physical Chemistry C, 2010, 114, 10932-10936.	1.5	16
211	Photoconductivity in single AlN nanowires by subband gap excitation. Applied Physics Letters, 2010, 96, .	1.5	52
212	Platinum nanoparticles embedded in pyrolyzed nitrogen-containing cobalt complexes for high methanol-tolerant oxygen reduction activity. Journal of Materials Chemistry, 2010, 20, 7551.	6.7	20
213	Enhancement of the energy photoconversion efficiency through crystallographic etching of a c-plane GaN thin film. Journal of Materials Chemistry, 2010, 20, 8118.	6.7	23
214	O2 plasma-activated CuO-ZnO inverse opals as high-performance methanol microreformer. Journal of Materials Chemistry, 2010, 20, 10611.	6.7	21
215	Size-dependent photoconductivity and dark conductivity of m-axis GaN nanowires with small critical diameter. Applied Physics Letters, 2009, 95, .	1.5	34
216	High-gain photoconductivity in semiconducting InN nanowires. Applied Physics Letters, 2009, 95, .	1.5	52

#	ARTICLE	IF	CITATIONS
217	Crystal symmetry breaking of wurtzite to orthorhombic in nonpolar a-ZnO epilayers. Applied Physics Letters, 2009, 95, 011905.	1.5	20
218	Molecule-modulated photoconductivity and gain-amplified selective gas sensing in polar GaN nanowires. Applied Physics Letters, 2009, 95, 233119.	1.5	45
219	Coulomb blockade behavior in an indium nitride nanowire with disordered surface states. Applied Physics Letters, 2009, 95, 092110.	1.5	5
220	Coalescence overgrowth of GaN nanocolumns on sapphire with patterned metal organic vapor phase epitaxy. Journal of Applied Physics, 2009, 105, 023501.	1.1	52
221	Pd-catalyzed hydrogen sensing with InN nanobelts. Journal of Vacuum Science & Technology B, 2009, 27, L8.	1.3	8
222	First principles calculations of the optical properties of CxNysingle walled nanotubes. Nanotechnology, 2009, 20, 175701.	1.3	41
223	Magnetoresistance fluctuations in a weak disorder indium nitride nanowire. Journal Physics D: Applied Physics, 2009, 42, 185009.	1.3	2
224	Ternary PtRuNi Nanocatalysts Supported on N-Doped Carbon Nanotubes: Deposition Process, Material Characterization, and Electrochemistry. Journal of the Electrochemical Society, 2009, 156, B1249.	1.3	29
225	Electron accumulation at nonpolar and semipolar surfaces of wurtzite InN from generalized infrared ellipsometry. Applied Physics Letters, 2009, 95, 202103.	1.5	24
226	Enhanced Charge Separation by Sieve Layer Mediation in High Efficiency Inorganic Organic Solar Cells. Advanced Materials, 2009, 21, 759-763.	11.1	39
227	The mechanism of the recrystallization process in epitaxial GaN under dynamic stress field: atomistic origin of planar defect formation. Journal of Raman Spectroscopy, 2009, 40, 1881-1884.	1.2	8
228	Nanostructured Zinc Oxide Nanorods with Copper Nanoparticles as a Microreformation Catalyst. Angewandte Chemie - International Edition, 2009, 48, 7586-7590.	7.2	63
229	Direct-growth of polyaniline nanowires for enzyme-immobilization and glucose detection. Electrochemistry Communications, 2009, 11, 850-853.	2.3	67
230	Characterization of air-exposure/activation cycles of porous Ti-Zr-V getter film using synchrotron radiation photoemission spectroscopy. Thin Solid Films, 2009, 517, 3672-3676.	0.8	7
231	Optical and structural properties of Mg-ion implanted GaN nanowires. Vacuum, 2009, 83, 797-800.	1.6	10
232	Low methanol-permeable polyaniline/Nafion composite membrane for direct methanol fuel cells. Journal of Power Sources, 2009, 190, 279-284.	4.0	91
233	One-Dimensional Group III-Nitrides: Growth, Properties, and Applications in Nanosensing and Nano-Optoelectronics. Critical Reviews in Solid State and Materials Sciences, 2009, 34, 224-279.	6.8	59
234	Origin of the anomalous temperature evolution of photoluminescence peak energy in degenerate InN nanocolumns. Optics Express, 2009, 17, 11690.	1.7	17

#	ARTICLE	IF	CITATIONS
235	Spectroscopic ellipsometry analysis of silicon nanotips obtained by electron cyclotron resonance plasma etching. <i>Applied Optics</i> , 2009, 48, 4996.	2.1	4
236	Label-Free Dual Sensing of DNA Molecules Using GaN Nanowires. <i>Analytical Chemistry</i> , 2009, 81, 36-42.	3.2	84
237	Spectral characterization of bulk and nanostructured aluminum nitride. <i>Journal of Nanophotonics</i> , 2009, 3, 031950.	0.4	14
238	Effects of nitrogen-doping on the microstructure, bonding and electrochemical activity of carbon nanotubes. <i>Diamond and Related Materials</i> , 2009, 18, 433-437.	1.8	42
239	Functionalized GaN nanowire-based electrode for direct label-free voltammetric detection of DNA hybridization. <i>Journal of Materials Chemistry</i> , 2009, 19, 928.	6.7	48
240	Efficient hydrogen production using Cu-based catalysts prepared via homogeneous precipitation. <i>Journal of Materials Chemistry</i> , 2009, 19, 9186.	6.7	16
241	Electroluminescence from ZnO/Si-Nanotips Light-Emitting Diodes. <i>Nano Letters</i> , 2009, 9, 1839-1843.	4.5	83
242	An ab-initio approach to the optical properties of C _x N _y single wall nanotubes. <i>Diamond and Related Materials</i> , 2009, 18, 1002-1005.	1.8	9
243	Electrophoretic deposition of PtRu nanoparticles on carbon nanotubes for methanol oxidation. <i>Diamond and Related Materials</i> , 2009, 18, 557-562.	1.8	9
244	Enhancement of electron field emission of nitrogenated carbon nanotubes on chlorination. <i>Diamond and Related Materials</i> , 2009, 18, 457-460.	1.8	9
245	Mesoporous active carbon dispersed with ultra-fine platinum nanoparticles and their electrochemical properties. <i>Diamond and Related Materials</i> , 2009, 18, 303-306.	1.8	4
246	Hot Photoluminescence in In ₂ Se ₃ Nanorods. <i>Nanoscale Research Letters</i> , 2008, 3, 427-30.	3.1	9
247	On-Chip Fabrication of Well-Aligned and Contact-Free GaN Nanobridge Devices with Ultrahigh Photocurrent Responsivity. <i>Small</i> , 2008, 4, 925-929.	5.2	65
248	Enhanced Emission of (In, Ga) Nitride Nanowires Embedded with Self-Assembled Quantum Dots. <i>Advanced Functional Materials</i> , 2008, 18, 938-942.	7.8	16
249	Luminescence processes induced by UV radiation in AlN nanotips and nanorods. <i>Radiation Measurements</i> , 2008, 43, 231-235.	0.7	4
250	Polymer Structure and Solvent Effects on the Selective Dispersion of Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2008, 130, 3543-3553.	6.6	287
251	Surface optical Raman modes in InN nanostructures. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	41
252	Controlled platinum nanoparticles uniformly dispersed on nitrogen-doped carbon nanotubes for methanol oxidation. <i>Diamond and Related Materials</i> , 2008, 17, 535-541.	1.8	73

#	ARTICLE	IF	CITATIONS
253	High-phase-purity zinc-blende InN on r-plane sapphire substrate with controlled nitridation pretreatment. Applied Physics Letters, 2008, 92, 111914.	1.5	26
254	Unravelling the free electron behavior in InN. Optoelectronic and Microelectronic Materials and Devices (COMMAD), Conference on, 2008, , .	0.0	0
255	Ultrafast Charging-Discharging Capacitive Property of RuO ₂ Nanoparticles on Carbon Nanotubes Using Nitrogen Incorporation. Journal of the Electrochemical Society, 2008, 155, K15.	1.3	23
256	Mechanism of bright red emission in Si nanoclusters. Nanotechnology, 2008, 19, 395401.	1.3	21
257	Electroluminescence enhancement of SiGe/Si multiple quantum wells through nanowall structures. Nanotechnology, 2008, 19, 365705.	1.3	2
258	GaN, ZnO and InN Nanowires and Devices. Journal of Nanoscience and Nanotechnology, 2008, 8, 99-110.	0.9	24
259	High photocurrent gain in SnO ₂ nanowires. Applied Physics Letters, 2008, 93, 112115.	1.5	101
260	Suppressing series resistance in organic solar cells by oxygen plasma treatment. Applied Physics Letters, 2008, 92, 233302.	1.5	20
261	Selective-hydrogen sensing at room temperature with Pt-coated InN nanobelts. Applied Physics Letters, 2008, 93, .	1.5	35
262	Recrystallization of epitaxial GaN under indentation. Applied Physics Letters, 2008, 92, .	1.5	13
263	Field emission effects of nitrogenated carbon nanotubes on chlorination and oxidation. Journal of Applied Physics, 2008, 104, 063710.	1.1	18
264	Fe catalytic growth, microstructure, and low-threshold field emission properties of open ended tubular graphite cones. Journal of Applied Physics, 2008, 103, 124308.	1.1	8
265	Thermal diffusivity study in supported epitaxial InN thin films by the traveling-wave technique. Journal of Applied Physics, 2008, 104, .	1.1	4
266	RECENT TRENDS IN INDIUM NITRIDE NANOMATERIALS. , 2008, , 431-462.		1
267	Effect of Structural Morphology on Electrochemical Properties of Carbon Nanotubes Directly Grown on Ti Foil. Electrochemical and Solid-State Letters, 2007, 10, K60.	2.2	1
268	Coalescence overgrowth of GaN nano-columns with metalorganic chemical vapor deposition. Nanotechnology, 2007, 18, 445601.	1.3	13
269	Superior capacitive property of RuO ₂ nanoparticles on carbon nanotubes incorporated with nitrogen. Nanotechnology, 2007, 18, 485716.	1.3	21
270	Photoluminescence spectroscopy of nearly defect-free InN microcrystals exhibiting nondegenerate semiconductor behaviors. Applied Physics Letters, 2007, 91, 181912.	1.5	30

#	ARTICLE	IF	CITATIONS
271	Ultra-high photocurrent gain in m-axial GaN nanowires. Applied Physics Letters, 2007, 91, .	1.5	134
272	Infrared lasing in InN nanobelts. Applied Physics Letters, 2007, 90, 123109.	1.5	46
273	A comparative study of the electronic structures of oxygen- and chlorine-treated nitrogenated carbon nanotubes by x-ray absorption and scanning photoelectron microscopy. Applied Physics Letters, 2007, 91, 202102.	1.5	16
274	Multiphonon Raman scattering in GaN nanowires. Applied Physics Letters, 2007, 90, 213104.	1.5	49
275	Electronic structures and bonding properties of chlorine-treated nitrogenated carbon nanotubes: X-ray absorption and scanning photoelectron microscopy studies. Applied Physics Letters, 2007, 90, 192107.	1.5	27
276	Long-range ferromagnetic ordering at room temperature in Co ²⁺ implanted TiO ₂ nanorods. Nanotechnology, 2007, 18, 325705.	1.3	9
277	Strong luminescence from strain relaxed InGaN/GaN nanotips for highly efficient light emitters. Optics Express, 2007, 15, 9357.	1.7	50
278	Substitutional nitrogen incorporation through rf glow discharge treatment and subsequent oxygen uptake on vertically aligned carbon nanotubes. Physical Review B, 2007, 75, .	1.1	54
279	Influence of catalyst oxidation on the growth of nitrogen-containing carbon nanotubes for energy generation and storage applications. Diamond and Related Materials, 2007, 16, 1140-1143.	1.8	6
280	Structural and optical properties of single crystal Zn _{1-x} Mg _x O nanorods—Experimental and theoretical studies. Journal of Applied Physics, 2007, 101, 033502.	1.1	39
281	Epitaxial Growth of InN Films by Molecular-Beam Epitaxy Using Hydrazoic Acid (HN ₃) as an Efficient Nitrogen Source. Journal of Physical Chemistry A, 2007, 111, 6755-6759.	1.1	15
282	Anomalous Optical Properties of InN Nanobelts: Evidence of Surface Band Bending and Photoelastic Effects. Advanced Materials, 2007, 19, 4524-4529.	11.1	14
283	Control of nucleation site density of GaN nanowires. Applied Surface Science, 2007, 253, 3196-3200.	3.1	7
284	A first principles study of the optical properties of B _x C _y single wall nanotubes. Carbon, 2007, 45, 1482-1491.	5.4	41
285	Arrayed CN _x NTs—RuO ₂ nanocomposites directly grown on Ti-buffered Si substrate for supercapacitor applications. Electrochemistry Communications, 2007, 9, 239-244.	2.3	84
286	High performance of low electrocatalysts loading on CNT directly grown on carbon cloth for DMFC. Journal of Power Sources, 2007, 171, 55-62.	4.0	129
287	Improved broadband and quasi-omnidirectional anti-reflection properties with biomimetic silicon nanostructures. Nature Nanotechnology, 2007, 2, 770-774.	15.6	1,022
288	DNA—Gold Nanorod Conjugates for Remote Control of Localized Gene Expression by near Infrared Irradiation. Journal of the American Chemical Society, 2006, 128, 3709-3715.	6.6	411

#	ARTICLE	IF	CITATIONS
289	Anomalous blueshift in emission spectra of ZnO nanorods with sizes beyond quantum confinement regime. <i>Applied Physics Letters</i> , 2006, 88, 241905.	1.5	158
290	Ferromagnetism in cobalt-doped n-GaN. <i>Applied Physics Letters</i> , 2006, 88, 173110.	1.5	22
291	Nanotips: Growth, Model, and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2006, 31, 15-53.	6.8	75
292	Electroluminescence from ZnO nanowire/polymer composite p-n junction. <i>Applied Physics Letters</i> , 2006, 88, 173503.	1.5	135
293	Mechanical properties of nanocrystalline diamond films. <i>Journal of Applied Physics</i> , 2006, 99, 124302.	1.1	29
294	Self-selected apex angle distribution in aluminum nitride and indium nitride nanotips. <i>Applied Physics Letters</i> , 2006, 89, 143105.	1.5	7
295	Atomic-Scale Deformation in N-Doped Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 8368-8369.	6.6	96
296	Luminescence properties of wurtzite AlN nanotips. <i>Applied Physics Letters</i> , 2006, 89, 163127.	1.5	45
297	Prestrained effect on the emission properties of InGaN/GaN quantum-well structures. <i>Applied Physics Letters</i> , 2006, 89, 051913.	1.5	60
298	Fluorescent Organic Nanoparticles of Benzofuran-Naphthyridine Linked Molecules: Formation and Fluorescence Enhancement in Aqueous Media. <i>Organic Letters</i> , 2006, 8, 3713-3716.	2.4	73
299	Photosensitive gold-nanoparticle-embedded dielectric nanowires. <i>Nature Materials</i> , 2006, 5, 102-106.	13.3	258
300	Structural evolution of AlN nano-structures: Nanotips and nanorods. <i>Chemical Physics Letters</i> , 2006, 418, 152-157.	1.2	44
301	High methanol oxidation activity of electrocatalysts supported by directly grown nitrogen-containing carbon nanotubes on carbon cloth. <i>Electrochimica Acta</i> , 2006, 52, 1612-1617.	2.6	57
302	Effect of temperature annealing on capacitive and structural properties of hydrous ruthenium oxides. <i>Journal of Power Sources</i> , 2006, 160, 1506-1510.	4.0	39
303	Depth dependence of optical property beyond the critical thickness of an InGaN film. <i>Journal of Crystal Growth</i> , 2006, 288, 18-22.	0.7	6
304	Electrical transport properties of single GaN and InN nanowires. <i>Journal of Electronic Materials</i> , 2006, 35, 738-743.	1.0	61
305	Sharp Infrared Emission from Single-Crystalline Indium Nitride Nanobelts Prepared Using Guided-Stream Thermal Chemical Vapor Deposition. <i>Advanced Functional Materials</i> , 2006, 16, 537-541.	7.8	61
306	Geometrically tuned and chemically switched wetting properties of silicon nanotips. <i>Nanotechnology</i> , 2006, 17, 2542-2545.	1.3	10

#	ARTICLE	IF	CITATIONS
307	Self-regulating and diameter-selective growth of GaN nanowires. <i>Nanotechnology</i> , 2006, 17, S332-S337.	1.3	21
308	Photo-assisted local oxidation of GaN using an atomic force microscope. <i>Nanotechnology</i> , 2006, 17, 3299-3303.	1.3	16
309	Superior electrochemical performance of CN[sub x] nanotubes using TiSi[sub 2] buffer layer on Si substrates. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 87.	1.3	9
310	Morphology control of silicon nanotips fabricated by electron cyclotron resonance plasma etching. <i>Journal of Vacuum Science & Technology B</i> , 2006, 24, 308.	1.3	19
311	Carbon Nanotubes Grown Directly on Ti Electrodes and Enhancement of Their Electrochemical Properties by Nitric Acid Treatment. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A5.	2.2	13
312	Effect of Ozone Cleaning and Annealing on Ti•Al•Pt•Au Ohmic Contacts on GaN Nanowires. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, G155.	2.2	12
313	Enhanced Electrochemical Properties of Arrayed CN[sub x] Nanotubes Directly Grown on Ti-Buffered Silicon Substrates. <i>Electrochemical and Solid-State Letters</i> , 2006, 9, A175.	2.2	12
314	Photoconductivity and highly selective ultraviolet sensing features of amorphous silicon carbon nitride thin films. <i>Applied Physics Letters</i> , 2006, 88, 073515.	1.5	13
315	Electronic structures of group-III nitride nanorods studied by x-ray absorption, x-ray emission, and Raman spectroscopy. <i>Applied Physics Letters</i> , 2006, 88, 223113.	1.5	19
316	Nitrogen ion beam synthesis of InN in InP(100) at elevated temperature. <i>Applied Physics Letters</i> , 2006, 88, 241904.	1.5	6
317	Controlled growth of aluminium nitride nanorod arrays via chemical vapour deposition. <i>Nanotechnology</i> , 2006, 17, S321-S326.	1.3	28
318	Growth of nanocrystalline diamond films in CCl ₄ /H ₂ ambient. <i>Thin Solid Films</i> , 2005, 473, 24-30.	0.8	4
319	Growth of Single-Crystalline Wurtzite Aluminum Nitride Nanotips with a Self-Selective Apex Angle. <i>Advanced Functional Materials</i> , 2005, 15, 781-786.	7.8	98
320	Fabrication and Characterization of lateral Field Emission Device Based on Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 2612-2617.	0.8	3
321	Effects of High-Density Oxygen Plasma Posttreatment on Field Emission Properties of Carbon Nanotube Field-Emission Displays. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8231-8236.	0.8	19
322	Improved Field-Emission Properties of Carbon Nanotube Field-Emission Arrays by Controlled Density Growth of Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 365-370.	0.8	5
323	Comparison of the electronic structures of AlN nanotips grown on p- and n-type Si substrates. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7523-7530.	0.7	10
324	Formation and in situ dynamics of metallic nanoblisters in Ga-implanted GaN nanowires. <i>Nanotechnology</i> , 2005, 16, 2764-2769.	1.3	9

#	ARTICLE	IF	CITATIONS
325	Mechanism of nanoblister formation in Ga ⁺ self-ion implanted GaN nanowires. Applied Physics Letters, 2005, 86, 203119.	1.5	21
326	Optical characterization of GaN by N ⁺ implantation into GaAs at elevated temperature. Applied Physics Letters, 2005, 87, 261915.	1.5	15
327	5nm ruthenium thin film as a directly plateable copper diffusion barrier. Applied Physics Letters, 2005, 86, 083104.	1.5	167
328	GENERALLY APPLICABLE SELF-MASKING TECHNIQUE FOR NANOTIPS ARRAY FABRICATION. International Journal of Nanoscience, 2005, 04, 879-886.	0.4	0
329	Surface-Enhanced Raman Spectroscopy Using Self-Assembled Silver Nanoparticles on Silicon Nanotips. Chemistry of Materials, 2005, 17, 553-559.	3.2	93
330	Optical properties and photoconductivity of amorphous silicon carbon nitride thin film and its application for UV detection. Diamond and Related Materials, 2005, 14, 1010-1013.	1.8	57
331	Effects of interfacial layers in InGa ^N -GaN quantum-well structures on their optical and nanostructural properties. Journal of Applied Physics, 2005, 98, 014317.	1.1	5
332	Reduced temperature-quenching of photoluminescence from indium nitride nanotips grown by metalorganic chemical vapor deposition. Applied Physics Letters, 2005, 87, 203103.	1.5	18
333	Field emission from quasi-aligned aluminum nitride nanotips. Applied Physics Letters, 2005, 87, 073109.	1.5	61
334	Molecular Sensing with Ultrafine Silver Crystals on Hexagonal Aluminum Nitride Nanorod Templates. Journal of the American Chemical Society, 2005, 127, 2820-2821.	6.6	36
335	Direct evidence of nanocluster-induced luminescence in InGaN epilayers. Applied Physics Letters, 2005, 86, 021911.	1.5	19
336	Ultrafine Platinum Nanoparticles Uniformly Dispersed on Arrayed CN _x Nanotubes with High Electrochemical Activity. Chemistry of Materials, 2005, 17, 3749-3753.	3.2	206
337	The affinity of Si ³ -N and Si ³ -C bonding in amorphous silicon carbon nitride (a-SiCN) thin film. Diamond and Related Materials, 2005, 14, 1126-1130.	1.8	102
338	Transport properties of InN nanowires. Applied Physics Letters, 2005, 87, 093112.	1.5	62
339	Cluster size and composition variations in yellow and red light-emitting InGaN thin films upon thermal annealing. Journal of Applied Physics, 2004, 95, 5388-5396.	1.1	37
340	Nanostructures and carrier localization behaviors of green-luminescence InGaN/GaN quantum-well structures of various silicon-doping conditions. Applied Physics Letters, 2004, 84, 2506-2508.	1.5	59
341	Blueshift of yellow luminescence band in self-ion-implanted n-GaN nanowire. Applied Physics Letters, 2004, 84, 3486-3488.	1.5	33
342	Mechanism of enhanced luminescence in In _x Al _y Ga _{1-x-y} N quaternary epilayers. Applied Physics Letters, 2004, 84, 1480-1482.	1.5	42

#	ARTICLE	IF	CITATIONS
343	Hexagonal-to-cubic phase transformation in GaN nanowires by Ga ⁺ implantation. Applied Physics Letters, 2004, 84, 5473-5475.	1.5	38
344	Amorphous boron carbon nitride as a pH sensor. Applied Physics Letters, 2004, 84, 2676-2678.	1.5	12
345	Successful growth of two different quantum dots on one substrate. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 372-375.	1.3	1
346	Nanohomojunction (GaN) and Nanoheterojunction (InN) Nanorods on One-Dimensional GaN Nanowire Substrates. Advanced Functional Materials, 2004, 14, 233-237.	7.8	68
347	Growth mechanism, structure and IR photoluminescence studies of indium nitride nanorods. Journal of Crystal Growth, 2004, 269, 87-94.	0.7	88
348	Strong room-temperature UV emission of nanocrystalline ZnO films derived from a polymeric solution. Chemical Physics Letters, 2004, 391, 278-282.	1.2	24
349	Electronic and bonding structures of B-C-N thin films investigated by x-ray absorption and photoemission spectroscopy. Journal of Applied Physics, 2004, 96, 208-211.	1.1	23
350	Blue luminescence of Au nanoclusters embedded in silica matrix. Journal of Chemical Physics, 2004, 121, 12595.	1.2	23
351	Generally Applicable Self-Masked Dry Etching Technique for Nanotip Array Fabrication. Nano Letters, 2004, 4, 471-475.	4.5	147
352	Structural and electronic properties of wide band gap silicon carbon nitride materials—a first-principles study. Diamond and Related Materials, 2004, 13, 1158-1165.	1.8	30
353	X-Ray absorption studies of boron-carbon-nitrogen (B _x C _y N _z) ternary alloys. Diamond and Related Materials, 2004, 13, 1553-1557.	1.8	22
354	Growth and characterization of gallium nitride nanowires produced on different sol-gel derived catalyst dispersed in titania and polyvinyl alcohol matrix. Journal of Materials Research, 2004, 19, 1768-1774.	1.2	7
355	Characterization of Nanodome on GaN Nanowires Formed with Ga Ion Irradiation. Materials Transactions, 2004, 45, 435-439.	0.4	3
356	Controlled growth of silicon carbide nanorods by rapid thermal process and their field emission properties. Chemical Physics Letters, 2003, 379, 155-161.	1.2	45
357	Quasi-quenching size effects in gold nanoclusters embedded in silica matrix. Chemical Physics Letters, 2003, 370, 254-260.	1.2	30
358	Doping and electrical properties of amorphous silicon carbon nitride films. Diamond and Related Materials, 2003, 12, 1213-1219.	1.8	3
359	Mechanical properties of amorphous boron carbon nitride films produced by dual gun sputtering. Diamond and Related Materials, 2003, 12, 1463-1471.	1.8	27
360	Band-gap dependence of field emission from one-dimensional nanostructures grown on n-type and p-type silicon substrates. Physical Review B, 2003, 68, .	1.1	40

#	ARTICLE	IF	CITATIONS
361	Synthesis and Characterization of Core-Shell GaP@GaN and GaN@GaP Nanowires. Nano Letters, 2003, 3, 537-541.	4.5	136
362	SiC-capped nanotip arrays for field emission with ultralow turn-on field. Applied Physics Letters, 2003, 83, 1420-1422.	1.5	88
363	Elastic, mechanical, and thermal properties of nanocrystalline diamond films. Journal of Applied Physics, 2003, 93, 2164-2171.	1.1	285
364	Structure and properties of C ₆₀ -Pd films formed by electroreduction of C ₆₀ and palladium(ii) acetate trimer: evidence for the presence of palladium nanoparticles. Journal of Materials Chemistry, 2003, 13, 518-525.	6.7	36
365	Thermal annealing effects on an InGaN film with an average indium mole fraction of 0.31. Applied Physics Letters, 2003, 83, 3906-3908.	1.5	25
366	Interface energy of Au ₇ Si grown in the interfacial layer of truncated hexagonal dipyramidal Au nanoislands on polycrystalline-silicon. Applied Physics Letters, 2003, 82, 4468-4470.	1.5	11
367	Electronic structure of GaN nanowire studied by x-ray-absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2003, 82, 3949-3951.	1.5	39
368	Enhanced dynamic annealing in Ga ⁺ ion-implanted GaN nanowires. Applied Physics Letters, 2003, 82, 451-453.	1.5	63
369	Growth and Optical Properties of GaP, GaP@GaN and GaN@GaP Core-shell Nanowires. Materials Research Society Symposia Proceedings, 2003, 776, 261.	0.1	0
370	Electronic structure of aligned carbon nanotubes studied by scanning photoelectron microscopy. European Physical Journal Special Topics, 2003, 104, 467-470.	0.2	3
371	Heterostructures of ZnO-Zn coaxial nanocables and ZnO nanotubes. Applied Physics Letters, 2002, 81, 1312-1314.	1.5	346
372	Spectroscopic studies of nitrogenated amorphous carbon films prepared by ion beam sputtering. Journal of Applied Physics, 2002, 91, 4944-4955.	1.1	42
373	Bonding characterization, density measurement, and thermal diffusivity studies of amorphous silicon carbon nitride and boron carbon nitride thin films. Journal of Applied Physics, 2002, 92, 5150-5158.	1.1	17
374	LOW TEMPERATURE GROWTH OF ALIGNED CARBON NANOTUBES IN LARGE AREA. International Journal of Modern Physics B, 2002, 16, 853-859.	1.0	7
375	Improvement of Field Emission Characteristics of Carbon Nanotubes by Excimer Laser Treatment. Japanese Journal of Applied Physics, 2002, 41, 6132-6136.	0.8	9
376	Correlation of Electrical, Thermal and Structural Properties of Microcrystalline Silicon Thin Films. Japanese Journal of Applied Physics, 2002, 41, L229-L232.	0.8	17
377	Selective-area growth of indium nitride nanowires on gold-patterned Si(100) substrates. Applied Physics Letters, 2002, 81, 22-24.	1.5	195
378	Electronic structure of the carbon nanotube tips studied by x-ray-absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2002, 81, 4189-4191.	1.5	54

#	ARTICLE	IF	CITATIONS
379	Thermal diffusivity in diamond, SiC N and BC N. Diamond and Related Materials, 2002, 11, 708-713.	1.8	7
380	Phase and thickness dependence of thermal diffusivity in a-SiC _x N _y and a-BC _x N _y . Thin Solid Films, 2002, 420-421, 205-211.	0.8	7
381	Growth and Optical Properties of Self-Organized Au ₂ Si Nanospheres Pea-Podded in a Silicon Oxide Nanowire. Advanced Materials, 2002, 14, 1847-1850.	11.1	63
382	Controlling Steps During Early Stages of the Aligned Growth of Carbon Nanotubes Using Microwave Plasma Enhanced Chemical Vapor Deposition. Advanced Functional Materials, 2002, 12, 687-692.	7.8	67
383	Field emission of nanostructured amorphous SiCN films deposited by reactive magnetron sputtering of SiC in CH ₄ /N ₂ atmosphere. Thin Solid Films, 2002, 416, 85-91.	0.8	24
384	High growth rate deposition of oriented hexagonal InN films. Thin Solid Films, 2002, 405, 194-197.	0.8	29
385	Catalytic Growth and Characterization of Gallium Nitride Nanowires. Journal of the American Chemical Society, 2001, 123, 2791-2798.	6.6	504
386	Bonding characterization and nano-indentation study of the amorphous SiC _x N _y films with and without hydrogen incorporation. Diamond and Related Materials, 2001, 10, 1916-1920.	1.8	17
387	Carbon nanotube growth by rapid thermal processing. Diamond and Related Materials, 2001, 10, 1810-1813.	1.8	14
388	Thermal diffusivity in amorphous silicon carbon nitride thin films by the traveling wave technique. Applied Physics Letters, 2001, 79, 332-334.	1.5	20
389	Low turn-on voltage field emission triodes with selective growth of carbon nanotubes. IEEE Electron Device Letters, 2001, 22, 516-518.	2.2	25
390	Structure and elastic properties of amorphous silicon carbon nitride films. Physical Review B, 2001, 64, .	1.1	54
391	X-ray absorption studies of carbon-related materials. Journal of Synchrotron Radiation, 2001, 8, 145-149.	1.0	12
392	Preparation and characterization of carbon nanotubes encapsulated GaN nanowires. Journal of Physics and Chemistry of Solids, 2001, 62, 1577-1586.	1.9	22
393	Electronic structure of the Fe-layer-catalyzed carbon nanotubes studied by x-ray-absorption spectroscopy. Applied Physics Letters, 2001, 79, 3179-3181.	1.5	28
394	Field emission properties of two-layer structured SiCN films. Surface and Coatings Technology, 2001, 137, 152-157.	2.2	26
395	Electron beam induced formation of carbon nanorods. Journal of Physics and Chemistry of Solids, 2001, 62, 1561-1565.	1.9	26
396	Catalyst-free and controllable growth of SiC _x N _y nanorods. Journal of Physics and Chemistry of Solids, 2001, 62, 1567-1576.	1.9	26

#	ARTICLE	IF	CITATIONS
397	Laser irradiation of carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2001, 72, 218-222.	2.0	42
398	Effect of dilution gas on SiCN films growth using methylamine. <i>Materials Chemistry and Physics</i> , 2001, 72, 240-244.	2.0	7
399	Resistive heated MOCVD deposition of InN films. <i>Materials Chemistry and Physics</i> , 2001, 72, 290-295.	2.0	15
400	Fabrication and Characterization of Low Turn-On Voltage Carbon Nanotube Field Emission Triodes. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, H15.	2.2	9
401	Integration of Thin Film Transistor Controlled Carbon Nanotubes for Field Emission Devices. <i>Electrochemical and Solid-State Letters</i> , 2001, 4, H5.	2.2	17
402	Fabrication and Characterization of Carbon Nanotube Triodes. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 3468-3473.	0.8	14
403	Growth of highly transparent nanocrystalline diamond films and a spectroscopic study of the growth. <i>Journal of Applied Physics</i> , 2001, 89, 753-759.	1.1	43
404	Electronic and bonding structures of amorphous Si ₃ N ₄ thin films by x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2001, 79, 2393-2395.	1.5	12
405	Enhancement in field emission of silicon microtips by bias-assisted carburization. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 2722.	1.6	19
406	High current density field emission from arrays of carbon nanotubes and diamond-clad Si tips. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000, 18, 1207.	1.6	41
407	Piezoreflectance study of silicon carbon nitride nanorods. <i>Applied Physics Letters</i> , 2000, 76, 2044-2046.	1.5	13
408	Field emission from quasi-aligned SiCN nanorods. <i>Applied Physics Letters</i> , 2000, 76, 2630-2632.	1.5	81
409	GROWTH, CHARACTERIZATION, AND PROPERTIES OF CARBON NITRIDE WITH AND WITHOUT SILICON ADDITION. <i>International Journal of Modern Physics B</i> , 2000, 14, 333-348.	1.0	16
410	Effect of H ₂ addition on SiCN film growth in an electron cyclotron resonance plasma chemical vapor deposition reactor. <i>Journal of Materials Chemistry</i> , 2000, 10, 783-787.	6.7	12
411	Comparative studies on field emission properties of carbon-based materials. <i>Diamond and Related Materials</i> , 2000, 9, 1249-1256.	1.8	29
412	Growth, characterization, optical and X-ray absorption studies of nano-crystalline diamond films. <i>Diamond and Related Materials</i> , 2000, 9, 877-882.	1.8	25
413	Effect of carbon sources on silicon carbon nitride films growth in an electron cyclotron resonance plasma chemical vapor deposition reactor. <i>Diamond and Related Materials</i> , 2000, 9, 556-561.	1.8	15
414	Piezoreflectance study of an Fe-containing silicon carbon nitride crystalline film. <i>Journal of Applied Physics</i> , 2000, 87, 280-284.	1.1	7

#	ARTICLE	IF	CITATIONS
415	Mechanism of luminescence in InGaN/GaN multiple quantum wells. Applied Physics Letters, 2000, 76, 3712-3714.	1.5	73
416	High purity nano-crystalline carbon nitride films prepared at ambient temperature by ion beam sputtering. Surface and Coatings Technology, 1999, 115, 116-122.	2.2	16
417	Deposition of silicon carbon nitride films by ion beam sputtering. Thin Solid Films, 1999, 355-356, 417-422.	0.8	44
418	Wide band gap silicon carbon nitride films deposited by electron cyclotron resonance plasma chemical vapor deposition. Thin Solid Films, 1999, 355-356, 205-209.	0.8	61
419	Crystalline SiCN: a hard material rivals to cubic BN. Thin Solid Films, 1999, 355-356, 112-116.	0.8	84
420	Quantum Confinement Effect in Diamond Nanocrystals Studied by X-Ray-Absorption Spectroscopy. Physical Review Letters, 1999, 82, 5377-5380.	2.9	118
421	Nano-carbon nitride synthesis from a bio-molecular target for ion beam sputtering at low temperature. Diamond and Related Materials, 1999, 8, 605-609.	1.8	21
422	Ellipsometric study of carbon nitride thin films with and without silicon addition. Diamond and Related Materials, 1999, 8, 618-622.	1.8	15
423	Effect of target materials on crystalline carbon nitride film preparation by ion beam sputtering. Diamond and Related Materials, 1999, 8, 1724-1729.	1.8	1
424	Highly transparent nano-crystalline diamond films via substrate pretreatment and methane fraction optimization. Thin Solid Films, 1998, 332, 34-39.	0.8	30
425	Highly transparent nano-crystalline diamond films grown by microwave CVD. Solid State Communications, 1998, 107, 301-305.	0.9	15
426	Novel two stage method for growth of highly transparent nano-crystalline diamond films. Materials Letters, 1998, 36, 279-283.	1.3	26
427	Crystalline silicon carbon nitride: A wide band gap semiconductor. Applied Physics Letters, 1998, 72, 2463-2465.	1.5	162
428	Effects of substrate pretreatment and methane fraction on the optical transparency of nanocrystalline diamond thin films. Journal of Materials Research, 1998, 13, 1769-1773.	1.2	22
429	The use of a biomolecular target for crystalline carbon nitride film deposition by Ar ion-beam sputtering without any other source of nitrogen. Applied Physics Letters, 1998, 72, 3449-3451.	1.5	35
430	Electronic and atomic structures of the Si-C-N thin film by x-ray-absorption spectroscopy and theoretical calculations. Physical Review B, 1998, 58, 9018-9024.	1.1	34
431	Composition of SiCN crystals consisting of a predominantly carbon-nitride network. Journal of Materials Research, 1997, 12, 322-325.	1.2	80
432	Temperature dependence of the direct band gap of Si-containing carbon nitride crystalline films. Physical Review B, 1997, 56, 6498-6501.	1.1	36

#	ARTICLE	IF	CITATIONS
433	Traveling wave method for measurement of thermal conductivity of thin films. Review of Scientific Instruments, 1997, 68, 4180-4183.	0.6	30
434	Si-containing crystalline carbon nitride derived from microwave plasma-enhanced chemical vapor deposition. Thin Solid Films, 1997, 303, 66-75.	0.8	76
435	Formation of crystalline silicon carbon nitride films by microwave plasma-enhanced chemical vapor deposition. Diamond and Related Materials, 1996, 5, 514-518.	1.8	104
436	High-temperature Raman study in CVD diamond. Thin Solid Films, 1995, 270, 143-147.	0.8	28
437	Micro-Raman for diamond film stress analysis. Diamond and Related Materials, 1995, 4, 460-463.	1.8	69
438	Analysis of calorimetric measurements of grain growth. Journal of Applied Physics, 1991, 69, 679-688.	1.1	248
439	How to use calorimetry to distinguish a microcrystalline structure from an amorphous structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 133, 342-345.	2.6	35
440	A comment on the use of calorimetry for the determination of the structure of amorphous materials. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1991, 63, 585-586.	0.6	3
441	A structural and calorimetric study of the transformations in sputtered Al ¹⁰⁰ Mn and Al ¹⁰⁰ Mn ¹⁰⁰ Si films. Journal of Materials Research, 1990, 5, 1871-1879.	1.2	28
442	Calorimetric evidence for the micro-quasicrystalline structure of 'amorphous' Al/transition metal alloys. Nature, 1988, 336, 366-368.	13.7	279
443	The configurational entropy of two-dimensional random Penrose tilings. Materials Science and Engineering, 1988, 99, 339-343.	0.1	3
444	The number of third-order elastic constants of an icosahedral solid. Journal of Applied Physics, 1986, 60, 2638-2638.	1.1	13