Jih-Jen Wu

List of Publications by Year
in descending order

159 papers	8,387 citations	61687 45 h-index	54771 88 g-index
160 all docs	160 docs citations	160 times ranked	11155 citing authors

#	Article	IF	Citations
1	Non-photochromic solar energy storage in carbon nitride surpassing blue radicals for hydrogen production. Journal of Materials Chemistry A, 2022, 10, 7728-7738.	5.2	13
2	Bridging Functional Groups Governing the Charge Transfer Dynamic in an Amorphous Carbon Nitride Allotropic Heterojunction toward Efficient Solar Hydrogen Evolution. Solar Rrl, 2021, 5, .	3.1	12
3	Epitaxial, Energetic, and Morphological Synergy on Photocharge Collection of the Fe₂TiO₅/ZnO Nanodendrite Heterojunction Array Photoelectrode for Photoelectrochemical Water Oxidation. ACS Sustainable Chemistry and Engineering, 2021, 9, 8868-8878.	3.2	8
4	Direct coating of multifunctional zinc oxide-reduced graphene oxide interlayer on cathode for lithium-sulfur batteries. Electrochimica Acta, 2021, 382, 138270.	2.6	8
5	Role of Interfacial Defects in Photoelectrochemical Properties of BiVO4 Coated on ZnO Nanodendrites: X-ray Spectroscopic and Microscopic Investigation. ACS Applied Materials & Interfaces, 2021, 13, 41524-41536.	4.0	2
6	Efficacious CO₂ Photoconversion to C2 and C3 Hydrocarbons on Upright SnSâ€“SnS₂ Heterojunction Nanosheet Frameworks. ACS Applied Materials & Interfaces, 2021, 13, 4984-4992.	4.0	24
7	Ionization of Volatile Organics and Nonvolatile Biomolecules Directly from a Titanium Slab for Mass Spectrometric Analysis. Molecules, 2021, 26, 6760.	1.7	3
8	Editorial: The biennial TACT international thin films conference (TACT 2019). Thin Solid Films, 2020, 709, 138210.	0.8	0
9	Binder-Free Metal Sulfide Composite Nanosheet Array Electrodes for Li-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 17100-17106.	3.2	13
10	Porous sulfide scaffolded solvent-free PEG-Ti hybrid polymer: All-solution-processed thin film composite polymer electrolytes directly on electrodes for lithium-ion batteries. Materials Today Energy, 2019, 13, 119-124.	2.5	14
11	Microscopic Revelation of Charge-Trapping Sites in Polymeric Carbon Nitrides for Enhanced Photocatalytic Activity by Correlating with Chemical and Electronic Structures. ACS Applied Materials & Interfaces, 2019, 11, 19087-19095.	4.0	22
12	Revelation of rutile phase by Raman scattering for enhanced photoelectrochemical performance of hydrothermally-grown anatase TiO2 film. Applied Surface Science, 2018, 440, 125-132.	3.1	48
13	Three-Dimensional Undoped Crystalline SnO₂ Nanodendrite Arrays Enable Efficient Charge Separation in BiVO₄/SnO₂ Heterojunction Photoanodes for Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2018, 1, 2143-2149.	2.5	37
14	Toward Eco-Friendly and Highly Efficient Solar Water Splitting Using In₂S₃/Anatase/Rutile TiO₂ Dual-Staggered-Heterojunction Nanodendrite Array Photoanode. ACS Applied Materials & Interfaces, 2018, 10, 3714-3722.	4.0	30
15	Binder-free ZnO@ZnSnO3 quantum dots core-shell nanorod array anodes for lithium-ion batteries. Journal of Power Sources, 2018, 388, 11-18.	4.0	29
16	Probing the Electronic Structure of BiVO4 Coated ZnO Nanodendrite Core- Shell Nanocomposite Using X-ray Spectroscopic and Spatially Resolved Scanning Transmission X-ray Microscopy Studies. Microscopy and Microanalysis, 2018, 24, 468-469.	0.2	0
17	Origin of magnetic properties in carbon implanted ZnO nanowires. Scientific Reports, 2018, 8, 7758.	1.6	40
18	Rutile-Anatase Core-Shell TiO2 Nanostructured Array for Photoelectrochemical Water Oxidation and CO2 Photoconversion. ECS Meeting Abstracts, 2018, , .	0.0	0

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19	Low-potential driven fully-depleted BiVO4/ZnO heterojunction nanodendrite array photoanodes for photoelectrochemical water splitting. Nano Energy, 2017, 32, 232-240.	8.2	128
20	Porphyrin Dye-Sensitized Zinc Oxide Aggregated Anodes for Use in Solar Cells. Molecules, 2016, 21, 1025.	1.7	11
21	Fabrication of an Efficient BiVO₄â€“TiO₂ Heterojunction Photoanode for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 20032-20039.	4.0	116
22	Panchromatic engineering for efficient zinc oxide flexible dye-sensitized solar cells using porphyrin and indoline dyes. RSC Advances, 2016, 6, 59273-59279.	1.7	9
23	Nanophotonic perovskite solar cell architecture with a three-dimensional TiO₂ nanodendrite scaffold for light trapping and electron collection. Journal of Materials Chemistry A, 2016, 4, 1119-1125.	5.2	30
24	Three-Dimensional ZnO-BiVO4 Core-Shell Nanosturctured Array for Photoelectrochemical Water Oxidation. ECS Meeting Abstracts, 2016, , .	0.0	0
25	Increasing photon absorption and stability of PbS quantum dot solar cells using a ZnO interlayer. Applied Physics Letters, 2015, 107, 183901.	1.5	17
26	n-Fe₂O₃ to N⁺-TiO₂ Heterojunction Photoanode for Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 13314-13321.	4.0	47
27	Pristine reduced graphene oxide as an energy-matched auxiliary electron acceptor in nanoarchitectural metal oxide/poly(3-hexylthiophene) hybrid solar cell. Journal of Power Sources, 2015, 293, 246-252.	4.0	21
28	Charge collection enhancement by incorporation of goldâ€“silica coreâ€“shell nanoparticles into P3HT:PCBM/ZnO nanorod array hybrid solar cells. Physical Chemistry Chemical Physics, 2015, 17, 19854-19861.	1.3	4
29	Chemical Assembly of Zinc Oxide Aggregated Anodes on Plastic Substrates at Room Temperature for Flexible Dye-Sensitized Solar Cells. Electrochimica Acta, 2015, 152, 61-67.	2.6	16
30	Soft Processing of Graphene Nanosheets by Glycineâ€Bisulfate Ionicâ€Complexâ€Assisted Electrochemical Exfoliation of Graphite for Reduction Catalysis. Advanced Functional Materials, 2015, 25, 298-305.	7.8	70
31	Photoreduction of graphene oxide enhanced by sacrificial agents. Journal of Colloid and Interface Science, 2015, 438, 291-295.	5.0	9
32	Room-temperature chemical integration of ZnO nanoarchitectures on plastic substrates for flexible dye-sensitized solar cells. Nanoscale, 2014, 6, 1329-1334.	2.8	31
33	Correlation between electrochromism and electronic structures of tungsten oxide films. RSC Advances, 2014, 4, 5036.	1.7	31
34	Observation of the origin of d⁰magnetism in ZnO nanostructures using X-ray-based microscopic and spectroscopic techniques. Nanoscale, 2014, 6, 9166.	2.8	57
35	Fabrication of stable photovoltachromic cells using a solvent-free hybrid polymer electrolyte. Nanoscale, 2014, 6, 9541.	2.8	20
36	P3HT-Based Nanoarchitectural Fano Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 17993-18000.	4.0	10

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37	Charge Transfer in Au Nanoparticleâ€“Nonpolar ZnO Photocatalysts Illustrated by Surface-Potential-Derived Three-Dimensional Band Diagram. Journal of Physical Chemistry C, 2014, 118, 19814-19821.	1.5	22
38	Hierarchically Nanostructured One-Dimensional Metal Oxide Arrays for Solar Cells. , 2014, , 27-74.		1
39	Fuel-Assisted Solution Route to Nanostructured Nickel Oxide Films for Electrochromic Device Application. ACS Applied Materials & Interfaces, 2013, 5, 6502-6507.	4.0	25
40	Soft processing of hierarchical oxide nanostructures for dye-sensitized solar cell applications. Nano Energy, 2013, 2, 1354-1372.	8.2	25
41	Morphology and Interfacial Energetics Controls for Hierarchical Anatase/Rutile TiO₂ Nanostructured Array for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2013, 5, 7425-7431.	4.0	119
42	Room-Temperature Fast Construction of Outperformed ZnO Nanoarchitectures on Nanowire-Array Templates for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 911-917.	4.0	49
43	Efficient Electron Collection in Hybrid Polymer Solar Cells: In-Situ-Generated ZnO/Poly(3-hexylthiophene) Scaffolded by a TiO₂ Nanorod Array. Journal of Physical Chemistry Letters, 2013, 4, 1983-1988.	2.1	24
44	Synergistic Effect of Dual Interfacial Modifications with Room-Temperature-Grown Epitaxial ZnO and Adsorbed Indoline Dye for ZnO Nanorod Array/P3HT Hybrid Solar Cell. ACS Applied Materials & Interfaces, 2013, 5, 8359-8365.	4.0	18
45	Strain Relaxation, Defects and Cathodoluminescence of m-Plane ZnO and Zn_{0.8}Mg_{0.2}O Epilayers Grown on Î³-LiAlO₂Substrate. ECS Journal of Solid State Science and Technology, 2013, 2, P338-P345.	0.9	7
46	Spectral and Spatial Luminescence Distribution ofm-Plane ZnO Epitaxial Films Containing Stacking Faults: A Cathodoluminescence Study. Applied Physics Express, 2013, 6, 061101.	1.1	10
47	UV Induced Zener Diode Characteristic in a Single <I>n</I>-ZnO/<I>p</I>⁺⁺-Si Nanoheterojunction. Journal of Nanoscience and Nanotechnology, 2012, 12, 3879-3883.	0.9	1
48	Photoassisted Scanning Tunneling Microscopy Investigation on the ZnO(0001)-Zn Surface Treated by Alkaline Solution. Journal of Physical Chemistry C, 2012, 116, 10664-10671.	1.5	3
49	Investigation of charge transfer in Au nanoparticleâ€“ZnO nanosheet composite photocatalysts. Physical Chemistry Chemical Physics, 2012, 14, 14492.	1.3	23
50	Visible to near-infrared light harvesting in Ag2S nanoparticles/ZnO nanowire array photoanodes. Nanoscale, 2012, 4, 1368.	2.8	43
51	Aluminum Electrode Modulated Bipolar Resistive Switching of Al/Fuel-Assisted NiO_x/ITO Memory Devices Modeled with a Dual-Oxygen-Reservoir Structure. ACS Applied Materials & Interfaces, 2012, 4, 4237-4245.	4.0	48
52	Hierarchical TiO₂ Nanostructured Array/P3HT Hybrid Solar Cells with Interfacial Modification. Journal of Physical Chemistry C, 2012, 116, 15938-15945.	1.5	60
53	Modulation of Photocarrier Dynamics in Indoline Dye-Modified TiO₂ Nanorod Array/P3HT Hybrid Solar Cell with 4-tert-Butylpridine. Journal of Physical Chemistry C, 2012, 116, 25721-25726.	1.5	22
54	Roomâ€Temperature Tailoring of Vertical ZnO Nanoarchitecture Morphology for Efficient Hybrid Polymer Solar Cells. Advanced Functional Materials, 2012, 22, 3808-3814.	7.8	52

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55	Three-dimensional ZnO nanodendrite/nanoparticle composite solar cells. Journal of Materials Chemistry, 2011, 21, 2871.	6.7	82
56	Wet chemical route to hierarchical TiO2 nanodendrite/nanoparticle composite anodes for dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 9255.	6.7	53
57	Room-temperature synthesis of hierarchical nanostructures on ZnO nanowire anodes for dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 13605.	6.7	53
58	Correlation between Electronic Structures and Photocatalytic Activities of Nanocrystalline-(Au, Ag,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.5	74
59	Resistive Switching Behavior and Multiple Transmittance States in Solution-Processed Tungsten Oxide. ACS Applied Materials & Interfaces, 2011, 3, 2616-2621.	4.0	50
60	Electron field emission properties of highly dense carbon nanotube arrays. Applied Physics A: Materials Science and Processing, 2011, 105, 11-16.	1.1	11
61	Growth and Optical Properties of Nonpolar ($10{ar {1}}0$) Zn_{1â€x}Co_xO Epitaxial Film on a Î³â€LiAlO₂ Substrate. Chemical Vapor Deposition, 2011, 17, 88-92.	1.4	1
62	Effects of bifunctional linker on the optical properties of ZnO nanocolumn-linker-CdSe quantum dots heterostructure. Journal of Colloid and Interface Science, 2011, 358, 323-328.	5.0	15
63	Growth, Characterization, and Polarity Identification of (0001) Zn[sub 1â^'x]Mg[sub x]O Epitaxial Films on Lattice-Matched Î²-LiGaO[sub 2] (001) Substrates. Journal of the Electrochemical Society, 2011, 158, D28.	1.3	8
64	An Efficient Route to Nanostructured Tungsten Oxide Films with Improved Electrochromic Properties. ChemPhysChem, 2010, 11, 3306-3312.	1.0	23
65	Synthesis of Tungsten Oxide Powders Via ThioureaâEAssisted Route: Tailoring from Hierarchical Microspheres to Mesoporously Structured Nanoparticles. Journal of the American Ceramic Society, 2010, 93, 2268-2273.	1.9	2
66	Three-dimensional zno nanodendrite/nanoparticle composite solar cells. , 2010, , .		0
67	Improved quality of nonpolar m-plane GaN [101Â¯0] on LiAlO2 substrate using a modified chemical vapor deposition. Journal of Applied Physics, 2010, 107, 013502.	1.1	12
68	Synthesis of TiO<inf>2</inf> nanodendrite for dye-sensitized solar cell application. , 2010, , .		0
69	CuInS2 nanotube array on indium tin oxide: synthesis and photoelectrochemical properties. Chemical Communications, 2010, 46, 5885.	2.2	33
70	Construction of Nanocrystalline Film on Nanowire Array via Swelling Electrospun Polyvinylpyrrolidone-Hosted Nanofibers for Use in Dye-Sensitized Solar Cells. ACS Nano, 2010, 4, 5679-5684.	7.3	45
71	Nanowire dye-sensitized solar cell with a novel light-scattering layer. , 2010, , .		0
72	Influences of Si on corrosion of Feâ€"B alloy in liquid zinc. Corrosion Engineering Science and Technology, 2009, 44, 441-444.	0.7	12

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73	Enhancing Electron Collection Efficiency and Effective Diffusion Length in Dyeâ€Sensitized Solar Cells. ChemPhysChem, 2009, 10, 2698-2702.	1.0	70
74	Growth behavior of nonpolar GaN on the nearly lattice-matched (100) Î³-LiAlO2 substrate by chemical vapor deposition. Journal of Crystal Growth, 2009, 311, 448-451.	0.7	14
75	Outperformed electrochromic behavior of poly(ethylene glycol)-template nanostructured tungsten oxide films with enhanced charge transfer/transport characteristics. Physical Chemistry Chemical Physics, 2009, 11, 9751.	1.3	27
76	Fast-Switching Photovoltachromic Cells with Tunable Transmittance. ACS Nano, 2009, 3, 2297-2303.	7.3	87
77	Growth and Characterization of Nonpolar (101Ì…0) Zn_{1â^'x}Mg_xO (0) Tj ETQq1 1 0.784314 rgB Substrates. Crystal Growth and Design, 2009, 9, 3301-3306.	1.4	14
78	The influence of interface modifier on the performance of nanostructured ZnO/polymer hybrid solar cells. Applied Physics Letters, 2009, 94, 063308.	1.5	114
79	Performance and electron transport properties of TiO₂nanocomposite dye-sensitized solar cells. Nanotechnology, 2008, 19, 105702.	1.3	76
80	Near-ultraviolet photodetector based on hybrid polymer/zinc oxide nanorods by low-temperature solution processes. Applied Physics Letters, 2008, 92, .	1.5	110
81	Wet-Chemical Route to ZnO Nanowire-Layered Basic Zinc Acetate/ZnO Nanoparticle Composite Film. Crystal Growth and Design, 2008, 8, 283-290.	1.4	47
82	Mg-induced increase of band gap in Zn1â^'xMgxO nanorods revealed by x-ray absorption and emission spectroscopy. Journal of Applied Physics, 2008, 104, 013709.	1.1	25
83	Influences of Metal-Precoated Layers on Pulsed Current Electrodeposition of ZnO Nanorods on Indium Tin Oxide Substrates. Journal of the Electrochemical Society, 2008, 155, D771.	1.3	6
84	A rapid and simple method for parallel the TiO<inf>2</inf> nanowires and the aligned-substrate surface: Characterization of nanowires. , 2008, , .		0
85	Polarization-dependent confocal Raman microscopy of an individual ZnO nanorod. Applied Physics Letters, 2008, 92, .	1.5	40
86	Charge transfer in nanocrystalline-Auâ^•ZnO nanorods investigated by x-ray spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2007, 90, 192112.	1.5	29
87	Role of valence-band Co 3d states on ferromagnetism in Zn1â^'xCoxO nanorods. Applied Physics Letters, 2007, 90, 062103.	1.5	15
88	Long-range ferromagnetic ordering at room temperature in Co⁺implanted TiO₂nanorods. Nanotechnology, 2007, 18, 325705.	1.3	9
89	Chemical bath deposition of ZnO nanowireâ€“nanoparticle composite electrodes for use in dye-sensitized solar cells. Nanotechnology, 2007, 18, 505706.	1.3	129
90	Nanostructured metal oxide/conjugated polymer hybrid solar cells by low temperature solution processes. Journal of Materials Chemistry, 2007, 17, 4571.	6.7	103

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91	Electron transport properties in ZnO nanowire array/nanoparticle composite dye-sensitized solar cells. Applied Physics Letters, 2007, 91, .	1.5	174
92	Effects of dye adsorption on the electron transport properties in ZnO-nanowire dye-sensitized solar cells. Applied Physics Letters, 2007, 90, 213109.	1.5	182
93	Structural and optical properties of single crystal Zn1â^'xMgxO nanorodsâ€"Experimental and theoretical studies. Journal of Applied Physics, 2007, 101, 033502.	1.1	39
94	Fabrication and Impedance Analysis of n-ZnO Nanorod/p-Si Heterojunctions to Investigate Carrier Concentrations in Zn/O Source- Ratio-Tuned ZnO Nanorod Arrays. Advanced Materials, 2007, 19, 2015-2019.	11.1	36
95	Growth and characterization of nonpolar ZnO () epitaxial film on Î³-LiAlO2 substrate by chemical vapor deposition. Journal of Crystal Growth, 2007, 308, 412-416.	0.7	42
96	Anomalous blueshift in emission spectra of ZnO nanorods with sizes beyond quantum confinement regime. Applied Physics Letters, 2006, 88, 241905.	1.5	158
97	Formation, Characterization, and Properties of One-Dimensional Oxide Nanostructures. , 2006, , 169-205.		0
98	Aluminium doping induced enhancement of pâ€"d coupling in ZnO. Journal of Physics Condensed Matter, 2006, 18, 3081-3087.	0.7	11
99	Aqueous Solution Route to High-Aspect-Ratio Zinc Oxide Nanostructures on Indium Tin Oxide Substrates. Journal of Physical Chemistry B, 2006, 110, 12981-12985.	1.2	47
100	Growth and Magnetic Properties of Oriented Î±-Fe2O3Nanorods. Journal of Physical Chemistry B, 2006, 110, 18108-18111.	1.2	117
101	Photocatalytic properties of nc-Au/ZnO nanorod composites. Applied Catalysis B: Environmental, 2006, 66, 51-57.	10.8	239
102	Comparison of the electronic structures of Zn1â^'xCoxO and Zn1â^'xMgxO nanorods using x-ray absorption and scanning photoelectron microscopies. Applied Physics Letters, 2006, 89, 043121.	1.5	35
103	Growth of nanocrystalline diamond films in CCl4/H2 ambient. Thin Solid Films, 2005, 473, 24-30.	0.8	4
104	Bandgap engineering of well-aligned Zn1â^'xMgxO nanorods grown by metalorganic chemical vapor deposition. Chemical Physics Letters, 2005, 404, 132-135.	1.2	37
105	Low-Temperature Formation of Well-Aligned Nanocrystalline Si/SiOx Composite Nanowires. Advanced Functional Materials, 2005, 15, 1440-1444.	7.8	11
106	Formation of ?-Ga2O3-TiO2 ?Nanobarcodes? from Core-Shell Nanowires. Advanced Materials, 2005, 17, 241-245.	11.1	40
107	One-dimensional Î²â€"Ga2O3 nanostructures on sapphire (0001): Low-temperature epitaxial nanowires and high-temperature nanorod bundles. Journal of Materials Research, 2005, 20, 3397-3403.	1.2	9
108	Ultrafast carrier dynamics in ZnO nanorods. Applied Physics Letters, 2005, 87, 023106.	1.5	59

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109	Formation of Well-Aligned ZnGa2O4Nanowires from Ga2O3/ZnO Coreâ^'Shell Nanowires via a Ga2O3/ZnGa2O4Epitaxial Relationship. Journal of Physical Chemistry B, 2005, 109, 13572-13577.	1.2	59
110	Room-temperature ferromagnetism in well-aligned Zn1â^'xCoxO nanorods. Applied Physics Letters, 2004, 85, 1027-1029.	1.5	147
111	Electronic structure of ZnO nanorods studied by angle-dependent x-ray absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2004, 84, 3462-3464.	1.5	105
112	Well-Aligned ZnO Nanorods via Hydrogen Treatment of ZnO Films. Advanced Functional Materials, 2004, 14, 806-810.	7.8	88
113	Low-Temperature Growth of Well-AlignedÎ²-Ga2O3 Nanowires from a Single-Source Organometallic Precursor. Advanced Materials, 2004, 16, 545-549.	11.1	111
114	Low-Temperature Catalytic Growth of Î²-Ga2O3 Nanowires Using Single Organometallic Precursor.. ChemInform, 2004, 35, no.	0.1	0
115	Effects of CCl4 concentration on nanocrystalline diamond film deposition in a hot-filament chemical vapor deposition reactor. Carbon, 2004, 42, 2201-2205.	5.4	9
116	Low-Temperature Catalytic Growth of Î²-Ga2O3Nanowires Using Single Organometallic Precursor. Journal of Physical Chemistry B, 2004, 108, 1838-1843.	1.2	23
117	Aligned TiO2Nanorods and Nanowalls. Journal of Physical Chemistry B, 2004, 108, 3377-3379.	1.2	263
118	Diameter dependence of the electronic structure of ZnO nanorods determined by x-ray absorption spectroscopy and scanning photoelectron microscopy. Applied Physics Letters, 2004, 85, 3220-3222.	1.5	98
119	Catalytic growth and characterization of Ga 2 O 3 nanowires. Applied Physics A: Materials Science and Processing, 2003, 76, 629-631.	1.1	17
120	Temperature-controlled catalytic growth of one-dimensional gallium nitride nanostructures using a gallium organometallic precursor. Applied Physics A: Materials Science and Processing, 2003, 77, 769-774.	1.1	14
121	Effects of silicon tetrachloride concentration on nanocrystalline silicon films growth. Thin Solid Films, 2003, 437, 45-50.	0.8	3
122	Heterostructures of ZnOâ€"Zn coaxial nanocables and ZnO nanotubes. Applied Physics Letters, 2002, 81, 1312-1314.	1.5	346
123	Low-Temperature Catalytic Synthesis of Gallium Nitride Nanowires. Journal of Physical Chemistry B, 2002, 106, 7796-7799.	1.2	59
124	Catalyst-Free Growth and Characterization of ZnO Nanorods. Journal of Physical Chemistry B, 2002, 106, 9546-9551.	1.2	391
125	Low-temperature and catalyst-free synthesis of well-aligned ZnO nanorods on Si (100). Journal of Materials Chemistry, 2002, 12, 3125-3129.	6.7	65
126	Low-Temperature Growth of Well-Aligned ZnO Nanorods by Chemical Vapor Deposition. Advanced Materials, 2002, 14, 215-218.	11.1	1,195

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127	Growth and Characterization of Well-Aligned nc-Si/SiOx Composite Nanowires. Advanced Materials, 2002, 14, 1643-1646.	11.1	35
128	Low temperature growth and structural characterization of nanocrystalline silicon films. Journal of Crystal Growth, 2002, 243, 419-426.	0.7	8
129	Low Temperature Syntheses of Nano-crystalline Silicon Film and Si Nanorods by Hot-Wire CVD. Materials Research Society Symposia Proceedings, 2002, 715, 821.	0.1	2
130	Catalytic Growth and Characterization of Gallium Nitride Nanowires. Journal of the American Chemical Society, 2001, 123, 2791-2798.	6.6	504
131	Bonding characterization and nano-indentation study of the amorphous SiCxNy films with and without hydrogen incorporation. Diamond and Related Materials, 2001, 10, 1916-1920.	1.8	17
132	Structure and elastic properties of amorphous silicon carbon nitride films. Physical Review B, 2001, 64, .	1.1	54
133	Growth of Highly Oriented ZnO Nanorods by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	5
134	Catalyst-free Growth of Large Scale Ga2O3 Nanowires. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	0
135	Field emission properties of two-layer structured SiCN films. Surface and Coatings Technology, 2001, 137, 152-157.	2.2	26
136	Effect of dilution gas on SiCN films growth using methylamine. Materials Chemistry and Physics, 2001, 72, 240-244.	2.0	7
137	Low Temperature Growth of Polycrystalline Silicon Films by Hot-Wire Chemical Vapor Deposition Using SiCl4/H2 Gases. Japanese Journal of Applied Physics, 2001, 40, L1207-L1210.	0.8	8
138	Growth of highly transparent nanocrystalline diamond films and a spectroscopic study of the growth. Journal of Applied Physics, 2001, 89, 753-759.	1.1	43
139	Electronic and bonding structures of amorphous Siâ€“Câ€“N thin films by x-ray absorption spectroscopy. Applied Physics Letters, 2001, 79, 2393-2395.	1.5	12
140	Piezoreflectance study of silicon carbon nitride nanorods. Applied Physics Letters, 2000, 76, 2044-2046.	1.5	13
141	Field emission from quasi-aligned SiCN nanorods. Applied Physics Letters, 2000, 76, 2630-2632.	1.5	81
142	GROWTH, CHARACTERIZATION, AND PROPERTIES OF CARBON NITRIDE WITH AND WITHOUT SILICON ADDITION. International Journal of Modern Physics B, 2000, 14, 333-348.	1.0	16
143	Effect of H2 addition on SiCN film growth in an electron cyclotron resonance plasma chemical vapor deposition reactor. Journal of Materials Chemistry, 2000, 10, 783-787.	6.7	12
144	Comparative studies on field emission properties of carbon-based materials. Diamond and Related Materials, 2000, 9, 1249-1256.	1.8	29

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145	Effect of carbon sources on silicon carbon nitride films growth in an electron cyclotron resonance plasma chemical vapor deposition reactor. Diamond and Related Materials, 2000, 9, 556-561.	1.8	15
146	Piezoreflectance study of an Fe-containing silicon carbon nitride crystalline film. Journal of Applied Physics, 2000, 87, 280-284.	1.1	7
147	X-ray absorption of Siâ€“Câ€“N thin films: A comparison between crystalline and amorphous phases. Journal of Applied Physics, 1999, 86, 5609-5613.	1.1	31
148	Deposition of silicon carbon nitride films by ion beam sputtering. Thin Solid Films, 1999, 355-356, 417-422.	0.8	44
149	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
150	Crystalline SiCN: a hard material rivals to cubic BN. Thin Solid Films, 1999, 355-356, 112-116.	0.8	84
151	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
152	The Effects of Chloromethane on Diamond Nucleation and Growth in a Hot-filament Chemical Vapor Deposition Reactor. Journal of Materials Research, 1998, 13, 2498-2504.	1.2	9
153	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
154	Direct identification of diamond growth precursor using almost pure CH4 or C2H2 near growth surface. Applied Physics Letters, 1997, 70, 185-187.	1.5	18
155	Effect of chlorine addition on diamond growth using methane/hydrogen reactants. Journal of Applied Physics, 1997, 81, 3647-3651.	1.1	17
156	Diamond growth by injecting thermally decomposed chlorine atoms into methane/hydrogen mixture. Journal of Applied Physics, 1997, 81, 3652-3659.	1.1	10
157	Characterization of diamond deposition from chloromethane reactants by laser reflective interferometry. Applied Physics Letters, 1996, 68, 3254-3256.	1.5	16
158	Low-temperature deposition of diamond using chloromethane in a hot-filament chemical vapor deposition reactor. Diamond and Related Materials, 1993, 2, 365-372.	1.8	35
159	Growth of diamond film by a plug-flow flat flame method. Thin Solid Films, 1992, 212, 127-132.	0.8	8