

# Jian Zhang Chen

## List of Publications by Year in descending order

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148  
papers

2,657  
citations

201674

27  
h-index

254184

43  
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149  
all docs

149  
docs citations

149  
times ranked

2650  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric barrier discharge jet processed TiO <sub>2</sub> nanoparticle layer for flexible perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 034003.	2.8	8
2	Low-Pressure Plasma-Processed Ruthenium/Nickel Foam Electrocatalysts for Hydrogen Evolution Reaction. <i>Materials</i> , 2022, 15, 2603.	2.9	4
3	Facile method to convert petal effect surface to lotus effect surface for superhydrophobic polydimethylsiloxane. <i>Surfaces and Interfaces</i> , 2022, 30, 101901.	3.0	9
4	Comparison between atmospheric-pressure-plasma-jet-processed and furnace-calcined rGO-MnOx nanocomposite electrodes for gel-electrolyte supercapacitors. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165006.	5.5	6
5	Atmospheric pressure plasma jet treatment enhances the effect of Alloy Primer on the bond strength between polymethyl methacrylate and stainless steels: application for retention of magnetic attachment to resin denture base. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111440.	5.0	3
6	Flexible rGO-SnO <sub>2</sub> supercapacitors converted from pastes containing SnCl <sub>2</sub> liquid precursor using atmospheric-pressure plasma jet. <i>Ceramics International</i> , 2021, 47, 1651-1659.	4.8	13
7	Improved efficiency and air stability of two-dimensional p-i-n inverted perovskite solar cells by Cs doping. <i>RSC Advances</i> , 2021, 11, 20200-20206.	3.6	4
8	Feasibility Study of Dielectric Barrier Discharge Jet-Patterned Perfluorodecyltrichlorosilane-Coated Paper for Biochemical Diagnosis. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 037005.	1.8	4
9	Flexible Complementary Oxide Thin-Film Transistor-Based Inverter With High Gain. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 1070-1074.	3.0	17
10	Carbon Dioxide Tornado-Type Atmospheric-Pressure-Plasma-Jet-Processed rGO-SnO <sub>2</sub> Nanocomposites for Symmetric Supercapacitors. <i>Materials</i> , 2021, 14, 2777.	2.9	9
11	Electropolymerized Poly(3,4-ethylenedioxythiophene)/Screen-Printed Reduced Graphene Oxide/Chitosan Bilayer Electrodes for Flexible Supercapacitors. <i>ACS Omega</i> , 2021, 6, 16455-16464.	3.5	14
12	Characteristics of Graphite Felt Electrodes Treated by Atmospheric Pressure Plasma Jets for an All-Vanadium Redox Flow Battery. <i>Materials</i> , 2021, 14, 3847.	2.9	4
13	Dielectric Barrier Discharge Plasma Jet (DBDjet) Processed Reduced Graphene Oxide/Polypyrrole/Chitosan Nanocomposite Supercapacitors. <i>Polymers</i> , 2021, 13, 3585.	4.5	16
14	The Influence of Helium Dielectric Barrier Discharge Jet (DBDjet) Plasma Treatment on Bathocuproine (BCP) in p-i-n-Structure Perovskite Solar Cells. <i>Polymers</i> , 2021, 13, 4020.	4.5	1
15	Silver mirror reaction metallized chromatography paper for supercapacitor application. <i>Flexible and Printed Electronics</i> , 2021, 6, 045010.	2.7	3
16	East Asian Calligraphy Black Ink-Coated Paper as Flexible Conducting Electrode for Supercapacitor. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 123013.	1.8	1
17	Ar dielectric barrier discharge jet (DBDjet) plasma treatment of reduced graphene oxide (rGO)/polyaniline (PANI)/chitosan (CS) nanocomposite on carbon cloth for supercapacitor application. <i>Energy, Ecology and Environment</i> , 2020, 5, 134-140.	3.9	5
18	Electrochemical and Microstructural Investigations of PtFe Nanocompounds Synthesized by Atmospheric-Pressure Plasma Jet. <i>Journal of the Electrochemical Society</i> , 2020, 167, 056501.	2.9	2

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19	Flexible reduced graphene oxide supercapacitors processed using atmospheric-pressure plasma jet under various temperatures adjusted by flow rate and jet-substrate distance. <i>Materials Research Express</i> , 2020, 7, 015602.	1.6	5
20	Dielectric-Barrier-Discharge Jet Treated Flexible Supercapacitors with Carbon Cloth Current Collectors of Long-Lasting Hydrophilicity. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116511.	2.9	11
21	Concentration effect on properties of Pt-NiOx nanocompounds converted from mixed chloroplatinic acid and nickel acetate precursor films using an atmospheric-pressure plasma jet. <i>Journal of Applied Physics</i> , 2020, 128, 043302.	2.5	2
22	Hydrophilic patterning of octadecyltrichlorosilane (OTS)-coated paper via atmospheric-pressure dielectric-barrier-discharge jet (DBDjet). <i>Cellulose</i> , 2020, 27, 10293-10301.	4.9	6
23	Low Temperature (<math>\leq 40\text{ }^\circ\text{C}</math>) Atmospheric-Pressure Dielectric-Barrier-Discharge-jet (DBDjet) Plasma Treatment on Jet-Sprayed Silver Nanowires (AgNWs) Electrodes for Fully Solution-Processed n-i-p Structure Perovskite Solar Cells. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 055016.	1.8	6
24	Application of Atmospheric-Pressure-Plasma-Jet Modified Flexible Graphite Sheets in Reduced-Graphene-Oxide/Polyaniline Supercapacitors. <i>Polymers</i> , 2020, 12, 1228.	4.5	3
25	Scanning atmospheric-pressure plasma jet treatment of nickel oxide with peak temperature of $\sim 4500\text{ }^\circ\text{C}$ for fabricating $\text{n-i-p}$ structure perovskite solar cells. <i>RSC Advances</i> , 2020, 10, 11166-11172.	3.6	6
26	Low-Temperature (<math>\leq 40\text{ }^\circ\text{C}</math>) Atmospheric-Pressure Dielectric-Barrier-Discharge-Jet Treatment on Nickel Oxide for $\text{n-i-p}$ Structure Perovskite Solar Cells. <i>ACS Omega</i> , 2020, 5, 6082-6089.	3.5	17
27	Plasmas Processes Applied on Metals and Alloys. <i>Metals</i> , 2020, 10, 349.	2.3	0
28	Surface Modification of FeCoNiCr Medium-Entropy Alloy (MEA) Using Octadecyltrichlorosilane and Atmospheric-Pressure Plasma Jet. <i>Polymers</i> , 2020, 12, 788.	4.5	4
29	Influence of mechanical bending strain on bias-stress stability of flexible top-gate p-type SnO TFTs. , 2020, , .		2
30	Atmospheric-pressure surface-diffusion dielectric-barrier discharge (SDDBD) plasma surface modification of PEDOT:PSS. <i>Synthetic Metals</i> , 2019, 256, 116114.	3.9	7
31	Conversion of dense and continuous nickel oxide compound thin films using nitrogen DC-pulse atmospheric-pressure plasma jet. <i>Ceramics International</i> , 2019, 45, 22078-22084.	4.8	6
32	Investigation of ultrashort (<math>\leq 1\text{ }^\circ\text{C}</math>) calcination processes for conversion of $\text{Pt-SnOx}$ from mixture of chloroplatinic acid and tin(II) chloride. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	0
33	Tyrosinase/Chitosan/Reduced Graphene Oxide Modified Screen-Printed Carbon Electrode for Sensitive and Interference-Free Detection of Dopamine. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 622.	2.5	22
34	In-situ atmospheric-pressure dielectric barrier discharge plasma treated $\text{CH}_3\text{NH}_3\text{PbI}_3$ for perovskite solar cells in regular architecture. <i>Applied Surface Science</i> , 2019, 473, 468-475.	6.1	19
35	Feasibility study of atmospheric-pressure dielectric barrier discharge treatment on $\text{CH}_3\text{NH}_3\text{PbI}_3$ films for inverted planar perovskite solar cells. <i>Electrochimica Acta</i> , 2019, 293, 1-7.	5.2	20
36	Atmospheric-pressure-plasma-jet processed carbon nanotube (CNT)-reduced graphene oxide (rGO) nanocomposites for gel-electrolyte supercapacitors. <i>RSC Advances</i> , 2018, 8, 2851-2857.	3.6	41

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37	Improved performance of polyaniline/reduced-graphene-oxide supercapacitor using atmospheric-pressure-plasma-jet surface treatment of carbon cloth. <i>Electrochimica Acta</i> , 2018, 260, 391-399.	5.2	58
38	Atmospheric-pressure plasma jet processed Pt/ZnO composites and its application as counter-electrodes for dye-sensitized solar cells. <i>Applied Surface Science</i> , 2018, 436, 690-696.	6.1	24
39	DC-pulse atmospheric-pressure plasma jet and dielectric barrier discharge surface treatments on fluorine-doped tin oxide for perovskite solar cell application. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 025502.	2.8	10
40	Time Evolution Characterization of Atmospheric-Pressure Plasma Jet (APPJ)-Synthesized Pt-SnOx Catalysts. <i>Metals</i> , 2018, 8, 690.	2.3	6
41	Nitrogen DC-pulse atmospheric-pressure-plasma jet (APPJ)-processed reduced graphene oxide (rGO)â€‘carbon black (CB) nanocomposite electrodes for supercapacitor applications. <i>Diamond and Related Materials</i> , 2018, 88, 23-31.	3.9	24
42	Scan-Mode Atmospheric-Pressure Plasma Jet Processed Reduced Graphene Oxides for Quasi-Solid-State Gel-Electrolyte Supercapacitors. <i>Coatings</i> , 2018, 8, 52.	2.6	20
43	Low-Temperature-Annealed Reduced Graphene Oxideâ€‘Polyaniline Nanocomposites for Supercapacitor Applications. <i>Journal of Electronic Materials</i> , 2018, 47, 3861-3868.	2.2	13
44	Flexible reduced graphene oxide supercapacitor fabricated using a nitrogen dc-pulse atmospheric-pressure plasma jet. <i>Materials Research Express</i> , 2017, 4, 025504.	1.6	22
45	Flexible quasi-solid-state SnO <sub>2</sub> /CNT supercapacitor processed by a dc-pulse nitrogen atmospheric-pressure plasma jet. <i>Journal of Energy Storage</i> , 2017, 11, 237-241.	8.1	14
46	Screen-printed SnO <sub>2</sub> /CNT quasi-solid-state gel-electrolyte supercapacitor. <i>Materials Research Express</i> , 2017, 4, 115501.	1.6	16
47	Atmospheric-Pressure Plasma Jet Processed Carbon-Based Electrochemical Sensor Integrated with a 3D-Printed Microfluidic Channel. <i>Journal of the Electrochemical Society</i> , 2017, 164, B534-B541.	2.9	14
48	A Comparison Study of Furnace and Atmospheric-Pressure-Plasma Jet Calcined Pt-Decorated Reduced Graphene Oxides for Dye-Sensitized Solar Cell Application. <i>Journal of the Electrochemical Society</i> , 2017, 164, H931-H935.	2.9	9
49	Application of atmospheric-pressure plasma jet processed carbon nanotubes to liquid and quasi-solid-state gel electrolyte supercapacitors. <i>Applied Surface Science</i> , 2017, 425, 321-328.	6.1	34
50	Atmospheric pressure plasma jet processed reduced graphene oxides for supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2017, 692, 558-562.	5.5	35
51	Surface modification of carbon cloth anodes for microbial fuel cells using atmospheric-pressure plasma jet processed reduced graphene oxides. <i>RSC Advances</i> , 2017, 7, 56433-56439.	3.6	24
52	Atmospheric-Pressure Plasma Jet Processed Pt-Decorated Reduced Graphene Oxides for Counter-Electrodes of Dye-Sensitized Solar Cells. <i>Coatings</i> , 2016, 6, 44.	2.6	25
53	A Photoactivated Gas Detector for Toluene Sensing at Room Temperature Based on New Coral-Like ZnO Nanostructure Arrays. <i>Sensors</i> , 2016, 16, 1820.	3.8	9
54	Rapid atmospheric-pressure-plasma processed nanomaterials for electrochemical energy harvesting and storage devices. , 2016, , .		0

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55	Atmospheric-pressure-plasma-jet sintered nanoporous AlN/CNT composites. Applied Surface Science, 2016, 377, 75-80.	6.1	6
56	Enhancement of gate-bias and current stress stability of P-type SnO thin-film transistors with SiN <sub>x</sub> /HfO <sub>2</sub> passivation layers. , 2016, , .		0
57	SnO <sub>2</sub> /CNT nanocomposite supercapacitors fabricated using scanning atmospheric-pressure plasma jets. Materials Research Express, 2016, 3, 085002.	1.6	14
58	Feasibility study of surface-modified carbon cloth electrodes using atmospheric pressure plasma jets for microbial fuel cells. Journal of Power Sources, 2016, 336, 99-106.	7.8	56
59	Atmospheric-pressure plasma jet processed SnO <sub>2</sub> /CNT nanocomposite for supercapacitor application. Ceramics International, 2016, 42, 14287-14291.	4.8	40
60	Atmospheric pressure plasma jet processed nanoporous Fe <sub>2</sub> O <sub>3</sub> /CNT composites for supercapacitor application. Journal of Alloys and Compounds, 2016, 676, 469-473.	5.5	48
61	Ultrafast synthesis of carbon-nanotube counter electrodes for dye-sensitized solar cells using an atmospheric-pressure plasma jet. Carbon, 2016, 98, 34-40.	10.3	59
62	Microstructural, electrical, and optical properties of sol-gel derived HfMgZnO thin films. Materials Research Express, 2015, 2, 096402.	1.6	1
63	Rapid Atmospheric-Pressure-Plasma-Jet Processed Porous Materials for Energy Harvesting and Storage Devices. Coatings, 2015, 5, 26-38.	2.6	31
64	Modeling and simulation of heat transfer characteristics of 12-inch wafer on electrostatic chuck. , 2015, , .		1
65	Simulation studies on bipolar electrostatic chucks. , 2015, , .		0
66	Ultrafast synthesis of continuous Au thin films from chloroauric acid solution using an atmospheric pressure plasma jet. RSC Advances, 2015, 5, 99654-99657.	3.6	18
67	Atmospheric-pressure-plasma-jet sintered nanoporous SnO <sub>2</sub> . Ceramics International, 2015, 41, 5478-5483.	4.8	16
68	UV photocurrent responses of ZnO and MgZnO/ZnO processed by atmospheric pressure plasma jets. Journal of Alloys and Compounds, 2015, 628, 68-74.	5.5	26
69	Ultrafast Atmospheric-Pressure-Plasma-Jet Sintering of Nanoporous TiO <sub>2</sub> -SnO <sub>2</sub> Composites with Features Defined by Screen-Printing. ECS Journal of Solid State Science and Technology, 2015, 4, P3020-P3025.	1.8	8
70	Atmospheric-pressure-plasma-jet sintered dual-scale porous TiO <sub>2</sub> using an economically favorable NaCl solution. Journal of Power Sources, 2015, 281, 252-257.	7.8	13
71	Oxidation of sputtered metallic Sn thin films using N <sub>2</sub> atmospheric pressure plasma jets. Materials Research Express, 2015, 2, 016504.	1.6	2
72	HfZnO/ZnO Heterostructures Fabricated Using Low-Cost Large-Area Compatible Sputtering Processes. Materials Research Society Symposia Proceedings, 2015, 1731, 18.	0.1	0

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73	Optoelectronic properties of infrared rapid-thermal-annealed SnO <sub>x</sub> thin films. <i>Ceramics International</i> , 2015, 41, 13502-13508.	4.8	8
74	Deposition of ZnO Thin Films by an Atmospheric Pressure Plasma Jet-Assisted Process: The Selection of Precursors. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 670-674.	1.3	6
75	Atmospheric-pressure-plasma-jet processed nanoporous TiO <sub>2</sub> photoanodes and Pt counter-electrodes for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 45662-45667.	3.6	21
76	Nitrogen Atmospheric-Pressure-Plasma-Jet Induced Oxidation of SnO <sub>x</sub> Thin Films. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 979-991.	2.4	5
77	Influence of Ca/Al Ratio on Properties of Amorphous/Nanocrystalline Cu <sup>2+</sup> Al <sup>3+</sup> Ca <sup>2+</sup> O Thin Films. <i>Journal of the American Ceramic Society</i> , 2015, 98, 125-129.	3.8	13
78	Ultrafast atmospheric-pressure-plasma-jet processed conductive plasma-resistant Y <sub>2</sub> O <sub>3</sub> /carbon-nanotube nanocomposite. <i>Journal of Alloys and Compounds</i> , 2015, 651, 357-362.	5.5	19
79	Influence of rapid-thermal-annealing temperature on properties of rf-sputtered SnO <sub>x</sub> thin films. <i>Applied Surface Science</i> , 2015, 327, 358-363.	6.1	27
80	All-vanadium redox flow batteries with graphite felt electrodes treated by atmospheric pressure plasma jets. <i>Journal of Power Sources</i> , 2015, 274, 894-898.	7.8	113
81	Plasma-etched nanoporous TiO <sub>2</sub> using Ag nanoparticle masks: application for photoanodes of dye-sensitized solar cells. <i>Materials Research Express</i> , 2014, 1, 025505.	1.6	5
82	Periodic anti-ring back reflectors for hydrogenated amorphous silicon thin-film solar cells. <i>Optics Express</i> , 2014, 22, A1128.	3.4	9
83	Back Cover: Plasma Process. <i>Polym. 1<sup>st</sup> 2014</i> . <i>Plasma Processes and Polymers</i> , 2014, 11, 100-100.	3.0	0
84	Electromechanical properties of MgZnO/ZnO heterostructures on flexible polyimide and stainless steel substrates under flexing. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 255102.	2.8	12
85	Characterization of Hf/Mg co-doped ZnO thin films after thermal treatments. <i>Thin Solid Films</i> , 2014, 570, 457-463.	1.8	2
86	Sol-gel derived amorphous/nanocrystalline MgZnO thin films annealed by atmospheric pressure plasma jets. <i>Ceramics International</i> , 2014, 40, 2707-2715.	4.8	35
87	Deposition of transparent and conductive ZnO films by an atmospheric pressure plasma-jet-assisted process. <i>Thin Solid Films</i> , 2014, 570, 423-428.	1.8	23
88	Effect of Al/Cu ratios on the optical, electrical, and electrochemical properties of Cu <sup>2+</sup> Al <sup>3+</sup> Ca <sup>2+</sup> O thin films. <i>Journal of Alloys and Compounds</i> , 2014, 609, 111-115.	5.5	9
89	Nanohardness, corrosion and protein adsorption properties of CuAlO <sub>2</sub> films deposited on 316L stainless steel for biomedical applications. <i>Applied Surface Science</i> , 2014, 289, 455-461.	6.1	20
90	O <sub>2</sub> /HMDSO-Plasma-Deposited Organic-Inorganic Hybrid Film for Gate Dielectric of MgZnO Thin-Film Transistor. <i>Plasma Processes and Polymers</i> , 2014, 11, 89-95.	3.0	19

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91	Rapid Atmospheric Pressure Plasma Jet Processed Reduced Graphene Oxide Counter Electrodes for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 15105-15112.	8.0	71
92	Atmospheric-Pressure-Plasma-Jet Particulate TiO <sub>2</sub> Scattering Layer Deposition Processes for Dye-Sensitized Solar Cells. ECS Journal of Solid State Science and Technology, 2014, 3, Q177-Q181.	1.8	18
93	Dynamically programmable surface micro-wrinkles on PDMS-SMA composite. Smart Materials and Structures, 2014, 23, 115007.	3.5	7
94	Oxygen-deficient indium tin oxide thin films annealed by atmospheric pressure plasma jets with/without air-quenching. Applied Surface Science, 2014, 292, 213-218.	6.1	35
95	Influence of annealing temperature on properties of room-temperature rf-sputtered CuAlO <sub>x</sub> :Ca thin films. Thin Solid Films, 2014, 550, 591-594.	1.8	12
96	Electrical, optical, and microstructural properties of sol-gel derived HfZnO thin films. Journal of Alloys and Compounds, 2014, 601, 223-230.	5.5	14
97	Dye-sensitized solar cells with nanoporous TiO <sub>2</sub> photoanodes sintered by N <sub>2</sub> and air atmospheric pressure plasma jets with/without air-quenching. Journal of Power Sources, 2014, 251, 215-221.	7.8	50
98	Flexible Transparent ZnO:Al/ZnO/CuAlO <sub>x</sub> :Ca Heterojunction Diodes on Polyethylene Terephthalate Substrates. Journal of Electronic Materials, 2013, 42, 1242-1245.	2.2	24
99	Preparation of nanoporous TiO <sub>2</sub> films for DSSC application by a rapid atmospheric pressure plasma jet sintering process. Journal of Power Sources, 2013, 234, 16-22.	7.8	71
100	Effects of drain-bias and ambient on hump formation in the transfer curves of positively gate-biased MgZnO thin film transistors. Thin Solid Films, 2013, 529, 360-363.	1.8	16
101	KrF excimer laser irradiated nanoporous TiO <sub>2</sub> layers for dye-sensitized solar cells: Influence of laser power density. Ceramics International, 2013, 39, 6183-6188.	4.8	12
102	Single-layer organic-inorganic-hybrid thin-film encapsulation for organic solar cells. Journal Physics D: Applied Physics, 2013, 46, 435502.	2.8	16
103	MgZnO/ZnO Heterostructure Field-Effect Transistors Fabricated by RF-Sputtering. ECS Transactions, 2013, 50, 83-93.	0.5	22
104	Transitions of bandgap and built-in stress for sputtered HfZnO thin films after thermal treatments. Journal of Applied Physics, 2013, 114, .	2.5	11
105	The effect of Zn/Sn Ratio on the Electrical Performance of Amorphous ZrZnSnO (ZZTO) Thin Film Transistors by RF Sputtering. ECS Transactions, 2013, 50, 185-189.	0.5	0
106	Influence of Annealing Conditions on the Bias Temperature Stability of MgZnO Thin Film Transistors. ECS Transactions, 2013, 50, 173-178.	0.5	2
107	Atmospheric pressure plasma jet annealed ZnO films for MgZnO/ZnO heterojunctions. Journal Physics D: Applied Physics, 2013, 46, 075202.	2.8	24
108	Multi-layer thermoelectric-temperature-mapping microbial incubator designed for geo-biochemistry applications. Review of Scientific Instruments, 2012, 83, 045116.	1.3	1

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109	Characterization of rf-sputtered HfMgZnO thin films. Materials Research Society Symposia Proceedings, 2012, 1432, 187.	0.1	1
110	Enhanced optical absorption of dye-sensitized solar cells with microcavity-embedded TiO <sub>2</sub> photoanodes. Optics Express, 2012, 20, A168.	3.4	24
111	Bandgap tuning of MgZnO in flexible transparent n+-ZnO:Al/n-MgZnO/p-CuAlOx:Ca diodes on polyethylene terephthalate substrates. Journal of Alloys and Compounds, 2012, 544, 111-114.	5.5	32
112	Two dimensional thermoelectric platforms for thermocapillary droplet actuation. RSC Advances, 2012, 2, 1639-1642.	3.6	11
113	Improved performance of dye-sensitized solar cells with laser-textured nanoporous TiO <sub>2</sub> photoanodes. Materials Letters, 2012, 66, 162-164.	2.6	19
114	Phase transitions of room temperature RF-sputtered ZnO/Mg <sub>0.4</sub> Zn <sub>0.6</sub> O multilayer thin films after thermal annealing. Thin Solid Films, 2012, 520, 1918-1923.	1.8	13
115	Positive Gate-Bias Temperature Stability of RF-Sputtered $\text{Mg}_{0.05}\text{Zn}_{0.95}\text{O}$ Active-Layer Thin-Film Transistors. IEEE Transactions on Electron Devices, 2012, 59, 151-158.	3.0	37
116	Electrical properties of modulation-doped rf-sputtered polycrystalline MgZnO/ZnO heterostructures. Journal Physics D: Applied Physics, 2011, 44, 455101.	2.8	24
117	Enhanced Photoelectrochemical Performance of Photoanode Fabricated Using Polystyrene Ball Embedded TiO <sub>2</sub> Pastes. Electrochemical and Solid-State Letters, 2011, 14, B6.	2.2	11
118	Enhanced Thermoelectric Power in Dual-Gated Bilayer Graphene. Physical Review Letters, 2011, 107, 186602.	7.8	74
119	Indium tin oxide sol-gel precursor conversion process using the third harmonics of Nd:YAG laser. Applied Surface Science, 2011, 257, 10042-10044.	6.1	4
120	DC and AC Gate-Bias Stability of Nanocrystalline Silicon Thin-Film Transistors Made on Colorless Polyimide Foil Substrates. Materials Research Society Symposia Proceedings, 2011, 1321, 259.	0.1	0
121	Dye-Sensitized Solar Cell with Photoanode Made with Polystyrene-Ball-Embedded TiO <sub>2</sub> Pastes. Japanese Journal of Applied Physics, 2011, 50, 06GF09.	1.5	1
122	Negative bias temperature instability of Rf-sputtered Mg <sub>0.05</sub> Zn <sub>0.95</sub> O thin film transistors with MgO gate dielectrics. Semiconductor Science and Technology, 2011, 26, 105007.	2.0	13
123	Mobility Enhancement of Polycrystalline MgZnO/ZnO Thin Film Layers With Modulation Doping and Polarization Effects. IEEE Transactions on Electron Devices, 2010, 57, 696-703.	3.0	51
124	The Influence of Electromechanical Stress on the Stability of Nanocrystalline Silicon Thin Film Transistors Made on Colorless Polyimide Foil. ECS Transactions, 2010, 33, 65-69.	0.5	2
125	Two dimensional electron gases in polycrystalline MgZnO/ZnO heterostructures grown by rf-sputtering process. Journal of Applied Physics, 2010, 108, .	2.5	71
126	The Electromechanical Characteristics of ZnO Grown on Poly(ethylene terephthalate) Substrates. Journal of the Electrochemical Society, 2010, 157, H750.	2.9	8



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127	Electromechanical Stability of Flexible Nanocrystalline-Silicon Thin-Film Transistors. IEEE Electron Device Letters, 2010, 31, 222-224.	3.9	4
128	Influences of Polarization Effects in the Electrical Properties of Polycrystalline MgZnO/ZnO Heterostructure. Materials Research Society Symposia Proceedings, 2009, 1201, 90.	0.1	0
129	Effects of electro-mechanical stressing on the electrical characterization of on-plastic a-Si:H thin film transistors. Materials Research Society Symposia Proceedings, 2009, 1153, 1.	0.1	1
130	Mobility Study of Polycrystalline MgZnO/ZnO Thin Film Layers with Monte Carlo Method. , 2009, , .		0
131	PbTiO <sub>3</sub> /P(VDF-TrFE) nanocomposites for flexible skin. , 2008, , .		1
132	Effects of SiN <sub>x</sub> Passivation and Gate Metal Roughness on the Performance of On-plastic a-Si:H TFTs. Electrochemical and Solid-State Letters, 2008, 11, H26.	2.2	3
133	An Unsupervised Approach to Cluster Web Search Results Based on Word Sense Communities. , 2008, , .		9
134	Reliability of Active-Matrix Organic Light-Emitting-Diode Arrays With Amorphous Silicon Thin-Film Transistor Backplanes on Clear Plastic. IEEE Electron Device Letters, 2008, 29, 63-66.	3.9	30
135	Temperature and humidity effects on the stability of on-plastic a-Si:H thin film transistors with various conduction channel layer thicknesses. Materials Research Society Symposia Proceedings, 2008, 1066, 1.	0.1	0
136	Abnormal temperature-dependent stability of on-plastic a-Si:H thin film transistors fabricated at 150°C. Journal of Applied Physics, 2008, 104, 044508.	2.5	11
137	Thermally Actuated Droplet Motion on Chemically Homogeneous, Striated, and Defected Surfaces. , 2008, , .		0
138	Stability of Amorphous Silicon Thin Film Transistors under Prolonged High Compressive Strain. Materials Research Society Symposia Proceedings, 2007, 989, 4.	0.1	6
139	Direct liquid cooling of room-temperature operated quantum cascade lasers. Electronics Letters, 2006, 42, 534.	1.0	7
140	Silver halide fiber-based evanescent-wave liquid droplet sensing with thermoelectrically cooled room temperature mid-infrared quantum cascade lasers. , 2005, 6010, 62.		0
141	Silver halide fiber-based evanescent-wave liquid droplet sensing with room temperature mid-infrared quantum cascade lasers. Optics Express, 2005, 13, 5953.	3.4	22
142	Effect of contact angle hysteresis on thermocapillary droplet actuation. Journal of Applied Physics, 2005, 97, 014906.	2.5	124
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