Hong-Yu Yu

List of Publications by Year in descending order

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136950 118850 4,461 146 32 62 h-index citations g-index papers 148 148 148 5693 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	A Low Energy Oxideâ€Based Electronic Synaptic Device for Neuromorphic Visual Systems with Tolerance to Device Variation. Advanced Materials, 2013, 25, 1774-1779.	21.0	445
2	Pressure-induced decomposition of solid hydrogen sulfide. Physical Review B, 2015, 91, .	3.2	255
3	Si nanopillar array optimization on Si thin films for solar energy harvesting. Applied Physics Letters, 2009, 95, .	3.3	245
4	Buried Interfaces in Halide Perovskite Photovoltaics. Advanced Materials, 2021, 33, e2006435.	21.0	214
5	Fabrication and SERS Performance of Silver-Nanoparticle-Decorated Si/ZnO Nanotrees in Ordered Arrays. ACS Applied Materials & Interfaces, 2010, 2, 1824-1828.	8.0	198
6	Chronic Liver Injury Induces Conversion of Biliary Epithelial Cells into Hepatocytes. Cell Stem Cell, 2018, 23, 114-122.e3.	11.1	197
7	Design guidelines of periodic Si nanowire arrays for solar cell application. Applied Physics Letters, 2009, 95, .	3.3	167
8	Stochastic learning in oxide binary synaptic device for neuromorphic computing. Frontiers in Neuroscience, 2013, 7, 186.	2.8	129
9	The rnoâ€miRâ€34 family is upregulated and targets <i>ACSL1</i> in dimethylnitrosamineâ€induced hepatic fibrosis in rats. FEBS Journal, 2011, 278, 1522-1532.	4.7	115
10	A Comprehensive Review of Recent Progress on GaN High Electron Mobility Transistors: Devices, Fabrication and Reliability. Electronics (Switzerland), 2018, 7, 377.	3.1	109
11	Dielectric screening in perovskite photovoltaics. Nature Communications, 2021, 12, 2479.	12.8	88
12	Recent Advances in GaNâ€Based Power HEMT Devices. Advanced Electronic Materials, 2021, 7, 2001045.	5.1	86
13	Recent Progress on Perovskite Surfaces and Interfaces in Optoelectronic Devices. Advanced Materials, 2021, 33, e2006004.	21.0	86
14	Recent Advances in β-Ga2O3–Metal Contacts. Nanoscale Research Letters, 2018, 13, 246.	5.7	76
15	Low aspect-ratio hemispherical nanopit surface texturing for enhancing light absorption in crystalline Si thin film-based solar cells. Applied Physics Letters, 2011, 98, .	3.3	68
16	Optical absorption enhancement in nanopore textured-silicon thin film for photovoltaic application. Optics Letters, 2010, 35, 40.	3.3	64
17	Modeling of Retention Failure Behavior in Bipolar Oxide-Based Resistive Switching Memory. IEEE Electron Device Letters, 2011, 32, 276-278.	3.9	61
18	A Study on Graphene—Metal Contact. Crystals, 2013, 3, 257-274.	2.2	61

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19	Periodically Aligned Si Nanopillar Arrays as Efficient Antireflection Layers for Solar Cell Applications. Nanoscale Research Letters, 2010, 5, 1721-1726.	5.7	60
20	Thermally Robust HfN Metal as a Promising Gate Electrode for Advanced MOS Device Applications. IEEE Transactions on Electron Devices, 2004, 51, 609-615.	3.0	57
21	Transport properties of HfO <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub> resistive-switching memories. Physical Review B. 2012. 85</mml:math>	۰ < <mark>% کارس</mark> ا: س	ath>based
22	Novel Silicon Nanohemisphereâ€Array Solar Cells with Enhanced Performance. Small, 2011, 7, 3138-3143.	10.0	50
23	Solar energy harnessing in hexagonally arranged Si nanowire arrays and effects of array symmetry on optical characteristics. Nanotechnology, 2012, 23, 194010.	2.6	48
24	A Novel Defect-Engineering-Based Implementation for High-Performance Multilevel Data Storage in Resistive Switching Memory. IEEE Transactions on Electron Devices, 2013, 60, 1379-1383.	3.0	48
25	The role of the <i>miR-31</i> /FIH1 pathway in TGF- \hat{l}^2 -induced liver fibrosis. Clinical Science, 2015, 129, 305-317.	4.3	48
26	Design guideline of high efficiency crystalline Si thin film solar cell with nanohole array textured surface. Journal of Applied Physics, 2011, 109, .	2.5	47
27	Aligned Si nanowire-based solar cells. Nanoscale, 2011, 3, 4888.	5.6	44
28	Si nanocone array optimization on crystalline Si thin films for solar energy harvesting. Journal Physics D: Applied Physics, 2010, 43, 255101.	2.8	43
29	Investigation of hole-tunneling current through ultrathin oxynitride/oxide stack gate dielectrics in p-MOSFETs. IEEE Transactions on Electron Devices, 2002, 49, 1158-1164.	3.0	42
30	Apatinib in patients with advanced chordoma: a single-arm, single-centre, phase 2 study. Lancet Oncology, The, 2020, 21, 1244-1252.	10.7	41
31	Isolated cases of remote dynamic triggering in Canada detected using cataloged earthquakes combined with a matchedâ€filter approach. Geophysical Research Letters, 2015, 42, 5187-5196.	4.0	35
32	microRNA-625 inhibits tumorigenicity by suppressing proliferation, migration and invasion in malignant melanoma. Oncotarget, 2017, 8, 13253-13263.	1.8	34
33	Design principles for plasmonic thin film GaAs solar cells with high absorption enhancement. Journal of Applied Physics, 2012, 112, 054326.	2.5	33
34	High performance of La-doped Y2O3 transparent ceramics. Journal of Advanced Ceramics, 2020, 9, 493-502.	17.4	33
35	Spin Hamiltonians in Magnets: Theories and Computations. Molecules, 2021, 26, 803.	3.8	33
36	Monte Carlo Simulation of p- and n-channel GOI MOSFETs by Solving the Quantum Boltzmann Equation. IEEE Transactions on Electron Devices, 2005, 52, 2258-2264.	3.0	31

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37	High efficiency silicon nanohole/organic heterojunction hybrid solar cell. Applied Physics Letters, 2014, 104, 053104.	3.3	30
38	EWS-FLI1-mediated tenascin-C expression promotes tumour progression by targeting MALAT1 through integrin $\hat{l}\pm5\hat{l}^21$ -mediated YAP activation in Ewing sarcoma. British Journal of Cancer, 2019, 121, 922-933.	6.4	30
39	A Study on the Largest Hydraulic-Fracturing-Induced Earthquake in Canada: Observations and Static Stress-Drop Estimation. Bulletin of the Seismological Society of America, 2020, 110, 2283-2294.	2.3	30
40	Lowâ€Dimensional Contact Layers for Enhanced Perovskite Photodiodes. Advanced Functional Materials, 2020, 30, 2001692.	14.9	30
41	Design guidelines for slanting silicon nanowire arrays for solar cell application. Journal of Applied Physics, 2013, 114, .	2.5	29
42	Ab Initio Approach and Its Impact on Superconductivity. Journal of Superconductivity and Novel Magnetism, 2019, 32, 53-60.	1.8	29
43	Preparation of Aluminum Nanomesh Thin Films from an Anodic Aluminum Oxide Template as Transparent Conductive Electrodes. Scientific Reports, 2016, 6, 20114.	3.3	25
44	Gate Leakage Suppression and Breakdown Voltage Enhancement in p-GaN HEMTs Using Metal/Graphene Gates. IEEE Transactions on Electron Devices, 2020, 67, 875-880.	3.0	25
45	Hydrogen sulfide detection properties of Pt-gated AlGaN/GaN HEMT-sensor. Sensors and Actuators B: Chemical, 2018, 274, 636-644.	7.8	24
46	Ultra-Low Contact Resistivity of < \$0.1~Omegacdot\$ mm for Au-Free Ti _x Al _y Alloy Contact on Non-Recessed i-AlGaN/GaN. IEEE Electron Device Letters, 2020, 41, 143-146.	3.9	24
47	Evaluation of LPCVD SiN _{<italic>x</italic>} Gate Dielectric Reliability by TDDB Measurement in Si-Substrate-Based AlGaN/GaN MIS-HEMT. IEEE Transactions on Electron Devices, 2018, 65, 1759-1764.	3.0	23
48	Well Proximity Governing Stress Drop Variation and Seismic Attenuation Associated With Hydraulic Fracturing Induced Earthquakes. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020103.	3.4	23
49	High-Pressure Formation of Cobalt Polyhydrides: A First-Principle Study. Inorganic Chemistry, 2018, 57, 181-186.	4.0	22
50	Impact of high temperature H2 pre-treatment on Pt-AlGaN/GaN HEMT sensor for H2S detection. Sensors and Actuators B: Chemical, 2019, 280, 138-143.	7.8	22
51	Fluid-injection-induced earthquakes characterized by hybrid-frequency waveforms manifest the transition from aseismic to seismic slip. Nature Communications, 2021, 12, 6862.	12.8	22
52	A Study on the Largest Hydraulic Fracturing Induced Earthquake in Canada: Numerical Modeling and Triggering Mechanism. Bulletin of the Seismological Society of America, 2021, 111, 1392-1404.	2.3	20
53	Oxide-based analog synapse: Physical modeling, experimental characterization, and optimization. , 2016,		19
54	Potentials of the elevated circulating miR-185 level as a biomarker for early diagnosis of HBV-related liver fibrosis. Scientific Reports, 2016, 6, 34157.	3.3	18

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55	Stress adjustment revealed by seismicity and earthquake focal mechanisms in northeast China before and after the 2011 Tohoku-Oki earthquake. Tectonophysics, 2016, 666, 23-32.	2.2	18
56	The transport properties of oxygen vacancy-related polaron-like bound state in HfOx. Scientific Reports, 2013, 3, 3246.	3.3	17
57	Enhanced dielectric properties of BaTiO3 based on ultrafine powders by two-step calcination. Physica B: Condensed Matter, 2019, 560, 155-161.	2.7	17
58	Myeloid-Derived Suppressor Cells Promote the Progression of Primary Membranous Nephropathy by Enhancing Th17 Response. Frontiers in Immunology, 2020, 11, 1777.	4.8	17
59	The Impact of Gate Recess on the Hâ,, Detection Properties of Pt-AlGaN/GaN HEMT Sensors. IEEE Sensors Journal, 2020, 20, 8947-8955.	4.7	17
60	Crystallization and surface texturing of amorphous-Si induced by UV laser for photovoltaic application. Journal of Applied Physics, 2012, 111, .	2.5	16
61	miR-27a suppresses the clonogenic growth and migration of human glioblastoma multiforme cells by targeting BTG2. International Journal of Oncology, 2015, 46, 1601-1608.	3.3	16
62	Seismicity along St. Lawrence Paleorift Faults Overprinted by a Meteorite Impact Structure in Charlevoix, QuA©bec, Eastern Canada. Bulletin of the Seismological Society of America, 2016, 106, 2663-2673.	2.3	16
63	Design guideline of Si nanohole/PEDOT:PSS hybrid structure for solar cell application. Nanotechnology, 2013, 24, 355301.	2.6	15
64	Oxygen-based digital etching of AlGaN/GaN structures with AlN as etch-stop layers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	15
65	High-temperature superconductivity in transition metallic hydrides MH $<$ sub $>11sub>(M=Mo,W,Nb,) Tj ETQq1$	10,7843 2.8	14 rgBT /Cive
66	Imaging findings of cryptococcal infection of the thoracic spine. International Journal of Infectious Diseases, 2014, 29, 162-165.	3.3	14
67	System in package (SiP) technology: fundamentals, design and applications. Microelectronics International, 2018, 35, 231-243.	0.6	14
68	Normally-OFF AlGaN/GaN MIS-HEMTs With Low R _{ON} and V _{th} Hysteresis by Functioning <i>In-situ</i> SiN _x in Regrowth Process. IEEE Electron Device Letters, 2022, 43, 529-532.	3.9	14
69	Dependence of Chemical Composition Ratio on Electrical Properties of HfO2-Al2O3Gate Dielectric. Japanese Journal of Applied Physics, 2003, 42, L220-L222.	1.5	13
70	Multideposition Multiroom-Temperature Annealing via Ultraviolet Ozone for HfZrO High- \$kappa\$ and Integration With a TiN Metal Gate in a Gate-Last Process. IEEE Transactions on Electron Devices, 2011, 58, 2177-2181.	3.0	13
71	MiR-34c promotes hepatic stellate cell activation and Liver Fibrogenesis by suppressing ACSL1 expression. International Journal of Medical Sciences, 2021, 18, 615-625. Periodic silicon nanocone arrays with controllable dimensions prepared by two-step etching using	2.5	13
72	nanosphere lithography and <mml:math altimg="si2.gif" display="inline" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>NH</mml:mi></mml:mstyle></mml:mrow><mml:mrow><mml:mn>4</mml:mn> mathvariant="normal"><mml:mi>OH</mml:mi>tyle><mml:mo>/</mml:mo><mml:mi><mml:mi>OH</mml:mi></mml:mi></mml:mrow><mathvariant="norma. 127-129.<="" 151,="" 2011,="" communications,="" solid="" state="" td=""><td><∱mml:mro mml:msty</td><td>ow> le</td></mathvariant="norma.></mml:msub></mml:math>	<∱mml:mro mml:msty	ow> le

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73	Planar Bulk MOSFETs With Self-Aligned Pocket Well to Improve Short-Channel Effects and Enhance Device Performance. IEEE Transactions on Electron Devices, 2015, 62, 1411-1418.	3.0	12
74	Higher LRRFIP1 expression in glioblastoma multiforme is associated with better response to teniposide, a type II topoisomerase inhibitor. Biochemical and Biophysical Research Communications, 2014, 446, 1261-1267.	2.1	11
75	Trap behaviours characterization of AlGaN/GaN high electron mobility transistors by room-temperature transient capacitance measurement. AIP Advances, 2016, 6, 095021.	1.3	11
76	Blue cooperative up-conversion luminescence of Yb:Y2O3 transparent ceramics. Ceramics International, 2019, 45, 9278-9282.	4.8	11
77	Determination of the Gate Breakdown Mechanisms in p-GaN Gate HEMTs by Multiple-Gate-Sweep Measurements. IEEE Transactions on Electron Devices, 2021, 68, 1518-1523.	3.0	11
78	Investigation of Band Alignment for Hybrid 2D-MoS2/3D- \hat{l}^2 -Ga2O3 Heterojunctions with Nitridation. Nanoscale Research Letters, 2019, 14, 360.	5.7	10
79	A new computational model for human thyroid cancer enhances the preoperative diagnostic efficacy. Oncotarget, 2015, 6, 28463-28477.	1.8	10
80	Simulated optical absorption enhancement in random silicon nanohole structure for solar cell application. Journal of Applied Physics, 2014, 116, .	2.5	9
81	Light trapping in hybrid nanopyramid and nanohole structure silicon solar cell beyond the Lambertian limit. Journal of Applied Physics, 2014, 116, 074310.	2.5	9
82	A simulation study of field plate termination in Ga ₂ O ₃ Schottky barrier diodes. Chinese Physics B, 2018, 27, 127302.	1.4	9
83	Band alignment of indium–gallium–zinc oxide/β-Ga ₂ O ₃ \$(ar{2}01)\$ heterojunction determined by angle-resolved X-ray photoelectron spectroscopy. Japanese Journal of Applied Physics, 2018, 57, 100312.	1.5	9
84	Ab initio studies of copper hydrides under high pressure. Frontiers of Physics, 2019, 14, 1.	5.0	9
85	p-GaN Gate HEMTs With 10.6 V Maximum Gate Drive Voltages by Mg Doping Engineering. IEEE Transactions on Electron Devices, 2022, 69, 2282-2286.	3.0	8
86	Complex spin Hamiltonian represented by an artificial neural network. Physical Review B, 2022, 105, .	3.2	8
87	SIMS study on N diffusion in hafnium oxynitride. Applied Surface Science, 2004, 231-232, 590-593.	6.1	7
88	Band structures and optical gain of strained GaAsxPlâ^'xâ^'yNy/GaP quantum wells. Applied Physics Letters, 2011, 98, 121112.	3.3	7
89	Perspective of flash memory realized on vertical Si nanowires. Microelectronics Reliability, 2012, 52, 651-661.	1.7	7
90	Influence of feedstock concentration on tetragonality and particle size of hydrothermally synthesized barium titanate powders. Ceramics International, 2017, 43, 14813-14817.	4.8	7

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91	Dual-Mode Hybrid Quasi-SAW/BAW Resonators With High Effective Coupling Coefficient. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1916-1921.	3.0	7
92	Atomic layer etching technique for InAlN/GaN heterostructure with AlN etch-stop layer. Materials Science in Semiconductor Processing, 2022, 143, 106544.	4.0	7
93	Dual beam-shear differential interference microscopy for full-field surface deformation gradient characterization. Journal of the Mechanics and Physics of Solids, 2020, 145, 104162.	4.8	6
94	Distinguishing various influences on the electrical properties of thin-barrier AlGaN/GaN heterojunctions with in-situ SiN caps. Materials Science in Semiconductor Processing, 2021, 132, 105907.	4.0	6
95	Physical factors controlling the diverse seismogenic behavior of fluid injections in Western Canada. Earth and Planetary Science Letters, 2022, 589, 117555.	4.4	6
96	Enhancement of the Flatband Modulation of Ni-Silicided Gates on Hf-Based Dielectrics. IEEE Transactions on Electron Devices, 2008, 55, 2238-2245.	3.0	5
97	Work-Function Engineering for 32-nm-Node pMOS Devices: High-Performance TaCNO-Gated Films. IEEE Electron Device Letters, 2008, 29, 1203-1205.	3.9	5
98	Optical simulation of low aspect ratio hemisphere array surface texturing for crystalline Si film solar cells. Energy Procedia, 2011, 8, 180-184.	1.8	5
99	Investigation of AlGaN/GaN HEMTs degradation with gate pulse stressing at cryogenic temperature. AIP Advances, 2017, 7, .	1.3	5
100	Impact of Preoperative Hepatitis B Virus Levels on Prognosis After Primary and Repeat Hepatectomies for Hepatocellular Carcinoma Patients—a Retrospective Study. Journal of Gastrointestinal Surgery, 2018, 22, 872-883.	1.7	5
101	Very-Low Resistance Contact to 2D Electron Gas by Annealing Induced Penetration Without Spikes Using TaAl/Au on Non-Recessed i-AlGaN/GaN. IEEE Electron Device Letters, 2020, 41, 1484-1487.	3.9	5
102	Performance of InGaN green light-emitting diodes with on-chip photodetectors based on wire-bonding and flip-chip configurations. Applied Optics, 2021, 60, 2599.	1.8	5
103	Optical absorption enhancement in a Si nanohole structure with hexagonal unit cell for solar cell application. Nanotechnology, 2014, 25, 415303.	2.6	4
104	Overshoot Stress on Ultra-Thin HfO ₂ High- <inline-formula> <tex-math notation="LaTeX">\$kappa \$ </tex-math></inline-formula> Layer and Its Impact on Lifetime Extraction. IEEE Electron Device Letters, 2015, 36, 1267-1270.	3.9	4
105	Volume-based predictive biomarkers of sequential FDG-PET/CT for sunitinib in cancer of unknown primary: identification of the best benefited patients. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 199-205.	6.4	4
106	AlGaN/GaN HEMT micro-sensor technology for gas sensing applications. , 2018, , .		4
107	A Method to Determine Dielectric Model Parameters for Broadband Permittivity Characterization of Thin Film Substrates. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 229-236.	2.2	4
108	Improvement of \hat{l}^2 -Ga ₂ O ₃ MIS-SBD Interface Using Al-Reacted Interfacial Layer. IEEE Transactions on Electron Devices, 2021, 68, 3314-3319.	3.0	4

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109	Low trap density of oxygen-rich HfO2/GaN interface for GaN MIS-HEMT applications. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, .	1.2	4
110	Pilomyxoid astrocytomas with rare rosenthal fibers. Brain Tumor Pathology, 2016, 33, 35-39.	1.7	3
111	A novel enhancement mode AlGaN/GaN high electron mobility transistor with split floating gates. Chinese Physics B, 2017, 26, 047305.	1.4	3
112	Patient-oncologist alliance and psychosocial well-being in Chinese society strongly affect cancer management adherence with cancer of unknown primary. Psycho-Oncology, 2017, 26, 991-998.	2.3	3
113	Pt-AlGaN/GaN HEMT-Sensor for Hydrogen Sulfide (H2S) Detection. Proceedings (mdpi), 2017, 1, .	0.2	3
114	Application of a gateless AlGaN/GaN HEMT sensor for diesel soot particulate detection. Sensors and Actuators B: Chemical, 2021, 349, 130811.	7.8	3
115	Carbon monoxide detection down to ppb-level realized by O2 plasma treated TiO2-gated AlGaN/GaN HEMT sensor. Sensors and Actuators B: Chemical, 2022, 359, 131556.	7.8	3
116	Surface Nanostructure Optimization for GaAs Solar Cell Application. Japanese Journal of Applied Physics, 2012, 51, 10ND13.	1.5	2
117	Si/PEDOT:PSS hybrid solar cells incorporated with silver plasmonic nanospheres. Thin Solid Films, 2016, 599, 37-41.	1.8	2
118	Study of the enhancement-mode AlGaN/GaN high electron mobility transistor with split floating gates. Solid-State Electronics, 2017, 137, 52-57.	1.4	2
119	Detection of microRNA‑33a‑5p in serum, urine and renal tissue of patients with IgA nephropathy. Experimental and Therapeutic Medicine, 2021, 21, 205.	1.8	2
120	Study of bilayer Al $<$ sub $>$ 2 $<$ /sub $>$ O $<$ sub $>$ 3 $<$ /sub $>$ /in-situ SiN $<$ sub $>$ x $<$ /sub $>$ dielectric stacks for gate modulation in ultrathin-barrier AlGaN/GaN MIS-HEMTs. , 2021, , .		2
121	A Miniature GaN Chip for Surface Roughness Measurement. IEEE Transactions on Electron Devices, 2021, 68, 4977-4981.	3.0	2
122	The Atomic Layer Etching Technique with Surface Treatment Function for InAlN/GaN Heterostructure. Crystals, 2022, 12, 722.	2.2	2
123	Novel low aspect-ratio Si nano-hemisphere array surface texture application to ultrathin film solar cells. , $2011, \ldots$		1
124	Surface plasmon enhanced light absorption for thin film poly-silicon solar cell with hybrid structure and metal alloy nano-particles. , $2011,\ldots$		1
125	Pt-AlGaN/GaN HEMT-sensor layout optimization for enhancement of hydrogen detection. , 2017, , .		1
126	Low leakage GaN HEMTs with sub-100Ânm T-shape gates fabricated by a low-damage etching process. Journal of Materials Science: Materials in Electronics, 2020, 31, 5886-5891.	2.2	1

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127	Formation of ultra-high-resistance Au/Ti/p-GaN junctions and the applications in AlGaN/GaN HEMTs. AlP Advances, 2021, 11, 045207.	1.3	1
128	Achieving A Low Contact Resistivity of 0.11 \hat{l} © \hat{A} ·mm for Ti5Al1/TiN S/D Contact on Al0.2Ga0.8N/ AlN/GaN Structure without Barrier Recess., 2021, , .		1
129	In situ characterization of buckling dynamics in silicon microribbon on an elastomer substrate. Extreme Mechanics Letters, 2021, 48, 101397.	4.1	1
130	Reply to the †Comment on †wHigh-temperature superconductivity in transition metallic hydrides MH $<$ sub>11 $<$ sub> (M = Mo, W, Nb, and Ta) under high pressure † $€$ by X. Zheng and J. Zheng, $<$ Phys. Chem. Phys. $<$ i>>, 2022, $<$ b>24 $<$ b>, DOI: 10.1039/D1CP01474A. Physical Chemistry Chemical Physics, 2022, 24, 1898-1899.	2.8	1
131	InAlN/GaN HEMTs on Si with 0.18-Ω•mm Contact Resistance and 2.1-A/mm Drain Current Density. , 2021, , .		1
132	Surface texturing of Si thin film solar cells via low cost periodic nanopillars array to enhance efficiency. , 2010 , , .		0
133	Highly conductive aligned carbon film for interconnect application. , 2010, , .		O
134	Periodic silicon nanocones arrays with controllable dimensions prepared by two-step etching using nanosphere lithography and NH <inf>OH/H<inf>OH/H<inf>O<inf>2</inf> solution. , 2010, , .</inf></inf></inf>		0
135	Enhancement of Si-Based Solar Cell Efficiency via Nanostructure Integration. Green Energy and Technology, 2011, , 3-55.	0.6	O
136	Solar Cells: Novel Silicon Nanohemisphere-Array Solar Cells with Enhanced Performance (Small) Tj ETQq0 0 0 rgBT	Overlock 10.0	10 Tf 50 38
137	Design guidelines for (111) Si inclined nanohole arrays in thin film solar cells. , 2013, , .		O
138	Shallow junction and contact realization by diffusion of heavily doped polycrystalline-germanium for Ge devices. , 2014, , .		0
139	Development of three-dimensional memory (3D-M). Proceedings of SPIE, 2016, , .	0.8	O
140	A novel enhance-mode AlGaN/GaN HEMT with split floating gates. , 2016, , .		0
141	The enhancement mode AlGaN/GaN high electron mobility transistor based on charge storage., 2017,,.		O
142	Au-based and Au-free ohmic contacts to AlGaN/GaN structures on silicon or Sapphire substrates. , 2018, , .		0
143	A new wet etching method for black phosphorus layer number engineering: experiment, modeling and DFT simulations. , 2019, , .		O
144	Nonuniform grid upscaling method for geologic model of oil reservoir: A case study of the W block in the northern part of the Songliao Basin. Interpretation, 2021, 9, T443-T452.	1.1	0

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145	Investigation on the release of residual stress in a folded structure applied to MEMS devices. Micro and Nano Letters, 2021, 16, 443-447.	1.3	O
146	Enhanced Si thin film solar cells short-circuit current with rational-designed Si nano-pillar array surface texturing. , 2011, , .		0