

# Si-Chen Lee

## List of Publications by Year in descending order

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168  
papers

3,484  
citations

185998

28  
h-index

155451

55  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-unity photoluminescence quantum yield in MoS <sub>2</sub> . Science, 2015, 350, 1065-1068.	6.0	993
2	Observation of room-temperature ballistic thermal conduction persisting over 8.3 μm in SiGe nanowires. Nature Nanotechnology, 2013, 8, 534-538.	15.6	156
3	Near-room-temperature operation of an InAs/GaAs quantum-dot infrared photodetector. Applied Physics Letters, 2001, 78, 2428-2430.	1.5	142
4	All-Printed Paper Memory. ACS Nano, 2014, 8, 7613-7619.	7.3	137
5	High performance midinfrared narrow-band plasmonic thermal emitter. Applied Physics Letters, 2006, 89, 1731-1736.	1.5	111
6	Assessment of renewable energy reserves in Taiwan. Renewable and Sustainable Energy Reviews, 2010, 14, 2511-2528.	8.2	85
7	Structural, optical, and electrical properties of hydrogenated amorphous silicon germanium alloys. Journal of Applied Physics, 1998, 83, 4111-4123.	1.1	84
8	High-performance InAs/GaAs quantum-dot infrared photodetectors with a single-sided Al <sub>0.3</sub> Ga <sub>0.7</sub> As blocking layer. Applied Physics Letters, 2001, 78, 2784-2786.	1.5	61
9	High-temperature operation normal incident 256 × 256 InAs-GaAs quantum-dot infrared photodetector focal plane array. IEEE Photonics Technology Letters, 2006, 18, 986-988.	1.3	61
10	A Portable Micro Gas Chromatography System for Lung Cancer Associated Volatile Organic Compound Detection. IEEE Journal of Solid-State Circuits, 2016, 51, 259-272.	3.5	58
11	Reflection and emission properties of an infrared emitter. Optics Express, 2007, 15, 14673.	1.7	57
12	Effect of Wood's anomalies on the profile of extraordinary transmission spectra through metal periodic arrays of rectangular subwavelength holes with different aspect ratio. Optics Express, 2009, 17, 2631.	1.7	55
13	Localized surface plasmon polaritons in Ag/SiO <sub>2</sub> /Ag plasmonic thermal emitter. Applied Physics Letters, 2008, 93, .	1.5	49
14	Dual-functional Memory and Threshold Resistive Switching Based on the Push-Pull Mechanism of Oxygen Ions. Scientific Reports, 2016, 6, 23945.	1.6	45
15	Micron-scale ballistic thermal conduction and suppressed thermal conductivity in heterogeneously interfaced nanowires. Physical Review B, 2015, 91, .	1.1	43
16	Effect of Emitted Bioenergy on Biochemical Functions of Cells. The American Journal of Chinese Medicine, 1991, 19, 285-292.	1.5	41
17	Angle and polarization independent narrow-band thermal emitter made of metallic disk on SiO <sub>2</sub> . Applied Physics Letters, 2011, 98, .	1.5	41
18	Toward epitaxially grown two-dimensional crystal hetero-structures: Single and double MoS <sub>2</sub> /graphene hetero-structures by chemical vapor depositions. Applied Physics Letters, 2014, 105, .	1.5	41

#	ARTICLE	IF	CITATIONS
19	Low-level light therapy potentiates NPe6-mediated photodynamic therapy in a human osteosarcoma cell line via increased ATP. <i>Photodiagnosis and Photodynamic Therapy</i> , 2015, 12, 123-130.	1.3	41
20	A possible mechanism for improved light-induced degradation in deuterated amorphous-silicon alloy. <i>Applied Physics Letters</i> , 1997, 71, 1498-1500.	1.5	40
21	An amorphous SiC/Si two-color detector. <i>IEEE Electron Device Letters</i> , 1987, 8, 365-367.	2.2	36
22	Room temperature unpassivated InAs p-i-n photodetectors grown by molecular beam epitaxy. <i>IEEE Transactions on Electron Devices</i> , 1997, 44, 209-213.	1.6	33
23	InAs/GaAs quantum dot infrared photodetector (QDIP) with double Al/sub 0.3/Ga/sub 0.7/As blocking barriers. <i>IEEE Transactions on Electron Devices</i> , 2002, 49, 1341-1347.	1.6	33
24	Bragg scattering of surface plasmon polaritons on extraordinary transmission through silver periodic perforated hole arrays. <i>Applied Physics Letters</i> , 2006, 88, 213112.	1.5	32
25	Dispersion of surface plasmon polaritons on silver film with rectangular hole arrays in a square lattice. <i>Applied Physics Letters</i> , 2006, 89, 093102.	1.5	31
26	The growth mechanisms of graphene directly on sapphire substrates by using the chemical vapor deposition. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	29
27	Graphene/h-BN Heterostructures for Vertical Architecture of RRAM Design. <i>Scientific Reports</i> , 2017, 7, 9679.	1.6	29
28	Coupling of surface plasmons between two silver films in a Ag/SiO <sub>2</sub> /Ag plasmonic thermal emitter with grating structure. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	28
29	Low-temperature grown graphene films by using molecular beam epitaxy. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	28
30	Middle Infrared Radiation Induces G2/M Cell Cycle Arrest in A549 Lung Cancer Cells. <i>PLoS ONE</i> , 2013, 8, e54117.	1.1	27
31	The effect of the base-collector potential spike on the common-emitter $V_{CE}$ characteristics of AlGaAs double-heterojunction bipolar transistors. <i>IEEE Transactions on Electron Devices</i> , 1987, 34, 1463-1469.	1.6	25
32	Plasmonic multilayer nanoparticles enhanced photocurrent in thin film hydrogenated amorphous silicon solar cells. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	25
33	Wavelength selective plasmonic thermal emitter by polarization utilizing Fabry-Pérot type resonances. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	24
34	Low-power resistive random access memory by confining the formation of conducting filaments. <i>AIP Advances</i> , 2016, 6, .	0.6	24
35	Coupling of surface plasmons between two silver films in a plasmonic thermal emitter. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	22
36	Hydrogenated amorphous silicon solar cell on glass substrate patterned by hexagonal nanocylinder array. <i>Applied Physics Letters</i> , 2010, 97, 193109.	1.5	21

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37	Transport characteristics of InAs/GaAs quantum-dot infrared photodetectors. Applied Physics Letters, 2003, 83, 752-754.	1.5	20
38	Emission properties of Ag/dielectric/Ag plasmonic thermal emitter with different lattice type, hole shape, and dielectric material. Applied Physics Letters, 2009, 95, .	1.5	20
39	Narrow Bandwidth Midinfrared Waveguide Thermal Emitters. IEEE Photonics Technology Letters, 2010, 22, 1159-1161.	1.3	20
40	White Organic Light-Emitting Diode With Linearly Polarized Emission. IEEE Photonics Technology Letters, 2013, 25, 1321-1323.	1.3	19
41	A plasmonic infrared photodetector with narrow bandwidth absorption. Applied Physics Letters, 2014, 105, .	1.5	18
42	Vorticity, gyroscopic precession, and spin-curvature force. Physical Review D, 2013, 87, .	1.6	17
43	Plasmonic ITO-free polymer solar cell. Optics Express, 2014, 22, A438.	1.7	17
44	Amorphous-silicon thin-film transistors with very high field-effect mobility. IEEE Electron Device Letters, 1991, 12, 120-121.	2.2	16
45	Dispersion relation of Al <sup>+</sup> Si surface plasmon in hexagonally ordered aluminum hole arrays. Journal of Applied Physics, 2007, 101, 054305.	1.1	16
46	Double wavelength infrared emission by localized surface plasmonic thermal emitter. Applied Physics Letters, 2014, 104, 083114.	1.5	16
47	Narrow bandwidth and highly polarized ratio infrared thermal emitter. Applied Physics Letters, 2010, 97, 163112.	1.5	14
48	Detection of Nighttime Melatonin Level in Chinese Original Quiet Sitting. Journal of the Formosan Medical Association, 2010, 109, 694-701.	0.8	14
49	Quantitative Proteomics Reveals Middle Infrared Radiation-Interfered Networks in Breast Cancer Cells. Journal of Proteome Research, 2015, 14, 1250-1262.	1.8	14
50	Improved stability of deuterated amorphous silicon thin film transistors. Journal of Applied Physics, 1999, 85, 543-550.	1.1	13
51	The growth and radial analysis of Si/Ge core-shell nanowires. Applied Physics Letters, 2010, 97, 251912.	1.5	13
52	Improved light scattering and surface plasmon tuning in amorphous silicon solar cells by double-walled carbon nanotubes. Solar Energy Materials and Solar Cells, 2012, 101, 200-203.	3.0	13
53	Passivated graphene transistors fabricated on a millimeter-sized single-crystal graphene film prepared with chemical vapor deposition. Journal Physics D: Applied Physics, 2015, 48, 295106.	1.3	13
54	Improvement of current leakage in the InAs photodetector by molecular beam epitaxy. Journal of Crystal Growth, 2001, 227-228, 167-171.	0.7	12

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55	Annealing Effect on the Formation of In(Ga)As Quantum Rings From InAs Quantum Dots. IEEE Photonics Technology Letters, 2008, 20, 165-167.	1.3	12
56	Hydrogenated Amorphous Silicon Solar Cells on Textured Flexible Substrate Copied From a Textured Glass Substrate Template. IEEE Electron Device Letters, 2011, 32, 1254-1256.	2.2	12
57	The fabrication of polysilicon thin film transistors by copper-induced lateral crystallization. IEEE Transactions on Electron Devices, 2003, 50, 816-821.	1.6	11
58	In(Ga)As Quantum Ring Terahertz Photodetector With Cutoff Wavelength at 175 $\mu\text{m}$ . IEEE Photonics Technology Letters, 2009, 21, 721-723.	1.3	11
59	Design and fabrication of birefringent nano-grating structure for circularly polarized light emission. Optics Express, 2014, 22, 7388.	1.7	11
60	Triple-wavelength infrared plasmonic thermal emitter using hybrid dielectric materials in periodic arrangement. Applied Physics Letters, 2016, 109, .	1.5	11
61	The hydrogenated amorphous silicon active hollow four quadrant orientation detector for application to neural network image sensors. IEEE Transactions on Electron Devices, 1994, 41, 666-670.	1.6	10
62	Application of liquid phase deposited silicon dioxide to metal-oxide-semiconductor capacitor and amorphous silicon thin-film transistor. IEEE Transactions on Electron Devices, 1996, 43, 599-604.	1.6	10
63	Voltage-Tunable Dual-Band In(Ga)As Quantum-Ring Infrared Photodetector. IEEE Photonics Technology Letters, 2007, 19, 1511-1513.	1.3	10
64	Surface plasmon on aluminum concentric rings arranged in a long-range periodic structure. Applied Physics Letters, 2008, 92, 253111.	1.5	10
65	A thermal emitter with selective wavelength: Based on the coupling between photonic crystals and surface plasmon polaritons. Journal of Applied Physics, 2009, 105, 033505.	1.1	10
66	Characteristics of a waveguide mode in a trilayer Ag/SiO <sub>2</sub> /Au plasmonic thermal emitter. Optics Letters, 2009, 34, 3089.	1.7	10
67	Photoresponse of homostructure WSe <sub>2</sub> rectifying diode. AIP Advances, 2019, 9, 075010.	0.6	10
68	Hydrogenated amorphous silicon-germanium PIN X-ray detector. IEEE Transactions on Electron Devices, 2001, 48, 1564-1567.	1.6	9
69	Transition Mechanism of InAs Quantum Dot to Quantum Ring Revealed by Photoluminescence Spectra. IEEE Photonics Technology Letters, 2008, 20, 1372-1374.	1.3	9
70	Periodic anti-ring back reflectors for hydrogenated amorphous silicon thin-film solar cells. Optics Express, 2014, 22, A1128.	1.7	9
71	Planarization of amorphous silicon thin film transistors by liquid phase deposition of silicon dioxide. IEEE Transactions on Electron Devices, 1995, 42, 1918-1923.	1.6	8
72	Interfacial interaction between Al-1%Si and phosphorus-doped hydrogenated amorphous Si alloy at low temperature. Journal of Applied Physics, 1997, 81, 7793-7797.	1.1	8

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73	Amorphous-silicon thin-film transistor with liquid phase deposition of silicon dioxide gate insulator. IEEE Electron Device Letters, 1999, 20, 138-139.	2.2	8
74	The structural and optical properties of gallium arsenic nanoparticles. Journal of Nanoparticle Research, 2004, 6, 415-419.	0.8	8
75	The effect of narrow bandwidth infrared radiation on the growth of Escherichia coli. Applied Physics Letters, 2011, 99, 163704.	1.5	8
76	Extraordinary transmission through a silver film perforated with bowtie-shaped aperture array in midinfrared region. Applied Physics Letters, 2011, 98, .	1.5	8
77	"Band readjustment" effect with applications to solar cells. IEEE Transactions on Electron Devices, 1980, 27, 844-850.	1.6	7
78	High-performance a-Si:H thin-film transistor using lightly doped channel. IEEE Transactions on Electron Devices, 1991, 38, 676-678.	1.6	7
79	Stability improvement of deuterated amorphous silicon thin-film transistors characterized by modified Schottky-contact gated-four-probe method. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 677.	1.6	7
80	Large Grain Poly-Si<math>\langle\text{sim rm } 10\text{-}\mu\text{m}\rangle\text{TFTs Prepared by Excimer Laser Annealing Through a Thick SiON Absorption Layer. IEEE Transactions on Electron Devices, 2004, 51, 166-171.}</math>	1.6	7
81	Silicon nanowires synthesized by vapor-liquid-solid growth on excimer laser annealed thin gold film. Journal of Nanoparticle Research, 2007, 9, 657-660.	0.8	7
82	Performance Improvement of AlGaAs/GaAs QWIP by $\text{m NH}_3$ Plasma Treatment. IEEE Journal of Quantum Electronics, 2012, 48, 922-926.	1.0	7
83	Investigating Far-Field Spectra and Near-Field Features of Extraordinary Optical Transmission Through Periodic U- to H-Shaped Apertures. IEEE Photonics Journal, 2012, 4, 387-398.	1.0	7
84	Enhanced Transmission of Higher Order Plasmon Modes With Random Au Nanoparticles in Periodic Hole Arrays. IEEE Photonics Technology Letters, 2013, 25, 47-50.	1.3	7
85	Influence of the absorber layer thickness and rod length on the performance of three-dimensional nanorods thin film hydrogenated amorphous silicon solar cells. Journal of Applied Physics, 2013, 113, 163106.	1.1	7
86	Growth of InGaAs-capped InAs quantum dots characterized by Atomic Force Microscope and Scanning Electron Microscope. Journal of Nanoparticle Research, 2004, 6, 407-410.	0.8	6
87	The Influence of B <sub>2</sub> H <sub>6</sub> on the Growth of Silicon Nanowire. Journal of Nanoparticle Research, 2005, 7, 615-620.	0.8	6
88	Enhanced early immune response of leptospiral outer membrane protein LipL32 stimulated by narrow band mid-infrared exposure. Journal of Photochemistry and Photobiology B: Biology, 2019, 198, 111560.	1.7	6
89	Characteristics of Harmonic Indexes of the Arterial Blood Pressure Waveform in Type 2 Diabetes Mellitus. Frontiers in Bioengineering and Biotechnology, 2020, 8, 638.	2.0	6
90	The retardation of aluminum-amorphous silicon interaction by phosphine plasma treatment. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 587-589.	0.9	5

#	ARTICLE	IF	CITATIONS
91	Title is missing!. Journal of Nanoparticle Research, 2001, 3, 489-492.	0.8	5
92	Localized shape resonance on silver film perforated by H-shaped and more complex shaped hole arrays. Optics Express, 2011, 19, 5225.	1.7	5
93	Design and Fabrication of Nano-Structure for Three-Dimensional Display Application. IEEE Photonics Technology Letters, 2016, 28, 884-886.	1.3	5
94	The effects of narrow-band middle infrared radiation in enhancing the antitumor activity of paclitaxel. Electromagnetic Biology and Medicine, 2016, 35, 106-114.	0.7	5
95	Black phosphorus with a unique rectangular shape and its anisotropic properties. AIP Advances, 2018, 8, .	0.6	5
96	Correlation between Pineal Activation and Religious Meditation Observed by Functional Magnetic Resonance Imaging. Nature Precedings, 0, , .	0.1	4
97	EVALUATION OF DUAL-SPECTRUM IR SPECTROGRAM SYSTEM ON INVASIVE DUCTAL CARCINOMA (IDC) BREAST CANCER. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 427-433.	0.3	4
98	Fermi-level shifts in graphene transistors with dual-cut channels scraped by atomic force microscope tips. Applied Physics Letters, 2014, 104, 023511.	1.5	4
99	Experimental demonstration of <i>bindingless</i> signal delivery in human cells <i>via</i> microfluidics. Journal of Applied Physics, 2014, 116, .	1.1	4
100	Observation of "wired" cell communication over 10- $\mu$ m and 20- $\mu$ m poly(dimethylsiloxane) barriers in tetracycline inducible expression systems. Journal of Applied Physics, 2016, 119, .	1.1	4
101	High performance MoS2 TFT using graphene contact first process. AIP Advances, 2017, 7, 085018.	0.6	4
102	Active hollow four quadrant orientation detector array for application to pattern recognition. IEEE Transactions on Electron Devices, 1995, 42, 1233-1239.	1.6	3
103	Low Temperature Polycrystalline Silicon TFTs on Polyimide and Glass Substrates. , 2007, , .		3
104	Enhancement of Thermal Radiation in Plasmonic Thermal Emitter by Surface Plasmon Resonance. , 2008, , .		3
105	Triple Peaks Plasmonic Thermal Emitter with Selectable Wavelength Using Periodic Block Pattern as Top Layer. IEEE Photonics Technology Letters, 2012, , .	1.3	3
106	Effect of Paired Apertures in a Periodic Hole Array on Higher Order Plasmon Modes. IEEE Photonics Technology Letters, 2012, 24, 2052-2055.	1.3	3
107	The operation principle of the well in quantum dot stack infrared photodetector. Journal of Applied Physics, 2013, 114, 244504.	1.1	3
108	21.5 A portable micro gas chromatography system for volatile compounds detection with 15ppb of sensitivity. , 2015, , .		3

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109	Surface-Plasmon-Resonance Based Narrow-Bandwidth Infrared Carbon Monoxide Detection System. IEEE Sensors Journal, 2022, 22, 9803-9810.	2.4	3
110	AlGaAs/GaAs visible ridge waveguide laser with multicavity structure. IEEE Journal of Quantum Electronics, 1987, 23, 1283-1286.	1.0	2
111	The hot electron effect in double heterojunction bipolar transistors: Theory and experiment. Solid-State Electronics, 1988, 31, 1653-1656.	0.8	2
112	Detailed investigation of InSb p-channel metal-oxide-semiconductor field effect transistor prepared by photo-enhanced chemical vapor deposition. IEEE Transactions on Electron Devices, 1995, 42, 795-803.	1.6	2
113	High temperature operated ( $\sim 4250$ K) photovoltaic-photoconductive (PV-PC) mixed-mode InAs/GaAs quantum dot infrared photodetector. , 0, , .		2
114	Self-Assembled Rippling Structure Based on Metal-Elastomer Composite for Tunable Plasmonics. IEEE Photonics Technology Letters, 2011, 23, 670-672.	1.3	2
115	Two infrared emission modes with different wavelengths and orthogonal polarization in a waveguide thermal emitter. Journal of Applied Physics, 2012, 112, 074325.	1.1	2
116	Nanoprojection Lithography Using Self-Assembled Interference Modules for Manufacturing Plasmonic Gratings. IEEE Photonics Technology Letters, 2012, 24, 1273-1275.	1.3	2
117	Improved Performance of Plasmonic Thermal Emitter via Incorporation of Gold Nanoparticles. IEEE Photonics Technology Letters, 2013, 25, 1727-1730.	1.3	2
118	Graphene films grown at low substrate temperature and the growth model by using MBE technique. Journal of Crystal Growth, 2013, 378, 333-336.	0.7	2
119	Paper memory by all printing technology. , 2014, , .		2
120	Current Enhancement and Bipolar Current Modulation of Top-Gate Transistors Based on Monolayer MoS <sub>2</sub> on Three-Layer WxMo <sub>1-x</sub> S <sub>2</sub> . ACS Applied Materials & Interfaces, 2018, 10, 24733-24738.	4.0	2
121	An Uncooled LWIR-Detector With LSPR Enhancement and Selective Narrow Absorption. IEEE Photonics Technology Letters, 2018, 30, 1206-1209.	1.3	2
122	Investigation of bond oscillation assisted olfactory perception by exciting the molecular chemical bonds using specific IR wavelengths. AIP Advances, 2019, 9, 075020.	0.6	2
123	High Gain Npn AlGaAs/GaAs Heterojunction Bipolar Transistors Prepared by Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 1992, 31, L385-L387.	0.8	1
124	Radiation hardness of fluorinated oxides prepared by liquid phase deposition method following rapid thermal oxidation. , 0, , .		1
125	High field effect mobility deuterated amorphous silicon thin-film transistors based on the substitution of hydrogen with deuterium. IEEE Electron Device Letters, 1999, 20, 415-417.	2.2	1
126	Infrared Plasmonic Thermal Emitter and Its Application in Biological System. , 2007, , .		1



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127	Extraordinary Transmission Through Ag/Si Structure Perforated With Rhombus Lattice Hole Arrays. IEEE Photonics Technology Letters, 2010, 22, 1482-1484.	1.3	1
128	Improved light scattering in amorphous silicon solar cell by double-walled carbon nanotubes. , 2011, , .		1
129	Evidence of "wired" drug-cell communication through micro-barrier well-array devices. AIP Advances, 2019, 9, 095025.	0.6	1
130	Engineering On NPN AlGaAs Heterojunction Bipolar Transistors. Proceedings of SPIE, 1987, , .	0.8	0
131	The amorphous SiC/Si two and three-color detector with high rejection ratio. , 1987, , .		0
132	The Origin Of Instability In Metal/SiO <sub>2</sub> /InSb Capacitor Fabricated By Photo-Enhanced Chemical Vapor Deposition. , 1989, 1107, 176.		0
133	A new process for liquid phase deposition of silicon oxide and its application in amorphous silicon thin film transistor. , 0, , .		0
134	The electrical and optical properties of implanted amorphous silicon. , 0, , .		0
135	Identification of tunneling peaks in the GaAs/AlAs/GaAs resonant tunneling diode by magnetic fields. , 0, , .		0
136	Active hollow four quadrant orientation detector array for applications to pattern recognition. , 0, , .		0
137	A novel angle position detector for application to pattern recognition. , 0, , .		0
138	An InSb integrated photo-MOSFET fabricated by photo-enhanced chemical vapour deposition. Optical and Quantum Electronics, 1996, 28, 1277-1286.	1.5	0
139	Temperature-stable (wavelength $\approx 1.1\mu\text{m}$ ) InAs/GaAs quantum dot light-emitting diode. , 0, , .		0
140	Phase separation growth of InGaAs cap layer on InAs/GaAs quantum dots. , 0, , .		0
141	The growth and Raman spectra of boron-doped silicon nanowires. , 0, , .		0
142	Optical properties of self-assembled InGaAs quantum wires grown on [100] GaAs substrate. , 0, , .		0
143	Switching between transverse electric and magnetic mode in InAs/AlGaAs/GaAs quantum dot infrared photodetector. , 0, , .		0
144	Extraordinary transmission through Al metal with periodic micro-cell holes arranged in the random structure. , 2006, , .		0

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145	Two Color Squared-lattice Plasmonic Thermal Emitter. , 2006, , .		0
146	Two Color Squared-lattice Plasmonic Thermal Emitter. , 0, , .		0
147	Extraordinary transmission through Al metal with periodic micro-cell holes arranged in the random structure. , 0, , .		0
148	Opto-electronic Properties of InGaAs Quantum Ring Infrared Photodetectors. , 0, , .		0
149	Opto-electronic Properties of InGaAs Quantum Ring Infrared Photodetectors. , 2006, , .		0
150	Extraordinary transmission through aluminum metal with superperiodic micro-cell arranged in a long-range periodic structure. , 2007, , .		0
151	Uniform Square Polycrystalline Silicon Fabricated by Employing Periodic Metallic Pads and SiON Absorption Layer for Thin Film Transistors. IEEE Transactions on Electron Devices, 2008, 55, 2212-2217.	1.6	0
152	Optical characteristics of Al/Si structure and Ag/Al<math>\times 2</math>/O<math>\times 3</math>/Ag plasmonic thermal emitter with square and hexagonal lattice. , 2010, , .		0
153	Two-color polarized infrared emission in a waveguide thermal emitter. , 2011, , .		0
154	Fabrication of morphology-tunable SiGe nanostructures grown on glass substrate. , 2011, , .		0
155	Improvement of heterojunction silicon solar cell efficiency by Au nanoparticles. , 2011, , .		0
156	Enhancement of localized resonance through non-centrosymmetric trumpet hole arrays in Ag/Si and Ag/SiO<math>\times 2</math>/Ag structure. , 2011, , .		0
157	Triple peaks plasmonic thermal emitter with selectable wavelength using periodic block pattern as top layer. , 2011, , .		0
158	A Special Issue for the Electrical Energy Storage and Conversion. Journal of the Chinese Chemical Society, 2012, 59, 1159-1162.	0.8	0
159	Linearly polarized light emission from organic light emitting diode with metallic nanograting structure. , 2012, , .		0
160	Painted graphitic carbon films formed underneath Ni templates. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 179-182.	0.8	0
161	Field effect of in-plane gates with different gap sizes on the Fermi level tuning of graphene channels. Applied Physics Letters, 2014, 104, 183503.	1.5	0
162	Low operation voltage transparent resistive random access memory (T-RRAM) based on ultrathin a-TiOx films and its resistive switching characteristics. , 2014, , .		0

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163	A nanobiosensing method based on force measurement of antibody-antigen interaction for direct detection of enterovirus 71 by the chemically modified atomic force microscopic probe. <i>Microbial Pathogenesis</i> , 2017, 111, 292-297.	1.3	0
164	Waveguide resonances with selectable polarization in an infrared thermal emitter. <i>AIP Advances</i> , 2017, 7, 085122.	0.6	0
165	Influence of Oxygen Molecules on Electrical Performance of Multilayer WSe <sub>2</sub> TFT. , 2019, , .		0
166	Radiation hardness of fluorinated oxides prepared by liquid phase deposition method following rapid thermal oxidation. , 0, , .		0
167	Identification of tunneling peaks in the GaAs/AlAs/GaAs resonant tunneling diode by magnetic fields. , 0, , .		0
168	Excimer laser annealing process for polysilicon TFT on glass and plastic substrates. , 0, , .		0