

Hiroshi Inokawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6533684/publications.pdf>

Version: 2024-02-01

162
papers

2,847
citations

218381

26
h-index

197535

49
g-index

164
all docs

164
docs citations

164
times ranked

1969
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of active surface area of flower like MoS ₂ using V-doping towards enhanced hydrogen evolution reaction in acidic and basic medium. Applied Catalysis B: Environmental, 2019, 254, 432-442.	10.8	185
2	Epitaxial growth of Al on Si(111) and Si(100) by ionized cluster beam. Journal of Applied Physics, 1984, 56, 2746-2750.	1.1	174
3	Fast all-optical switching using ion-implanted silicon photonic crystal nanocavities. Applied Physics Letters, 2007, 90, 031115.	1.5	155
4	Pauli-spin-blockade transport through a silicon double quantum dot. Physical Review B, 2008, 77, .	1.1	115
5	Manipulation and detection of single electrons for future information processing. Journal of Applied Physics, 2005, 97, 031101.	1.1	112
6	Silicon single-electron devices. Journal of Physics Condensed Matter, 2002, 14, R995-R1033.	0.7	111
7	Single electron tunneling transistor with tunable barriers using silicon nanowire metal-oxide-semiconductor field-effect transistor. Applied Physics Letters, 2006, 88, 053121.	1.5	111
8	A multiple-valued logic and memory with combined single-electron and metal-oxide-semiconductor transistors. IEEE Transactions on Electron Devices, 2003, 50, 462-470.	1.6	106
9	Conductance modulation by individual acceptors in Si nanoscale field-effect transistors. Applied Physics Letters, 2007, 90, 102106.	1.5	90
10	A compact analytical model for asymmetric single-electron tunneling transistors. IEEE Transactions on Electron Devices, 2003, 50, 455-461.	1.6	89
11	Metal-Semiconductor Transition in Single-Walled Carbon Nanotubes Induced by Low-Energy Electron Irradiation. Nano Letters, 2005, 5, 1575-1579.	4.5	87
12	Development of carbon coated NiS ₂ as positive electrode material for high performance asymmetric supercapacitor. Composites Part B: Engineering, 2019, 177, 107373.	5.9	72
13	Room-temperature-operating data processing circuit based on single-electron transfer and detection with metal-oxide-semiconductor field-effect transistor technology. Applied Physics Letters, 2006, 88, 183101.	1.5	64
14	Quantized electron transfer through random multiple tunnel junctions in phosphorus-doped silicon nanowires. Physical Review B, 2007, 76, .	1.1	54
15	Modeling, Simulation, Fabrication, and Characterization of a 10- μm Class Si-Nanowire Thermoelectric Generator for IoT Applications. IEEE Transactions on Electron Devices, 2018, 65, 5180-5188.	1.6	54
16	Evaluation of a copper metallization process and the electrical characteristics of copper-interconnected quarter-micron CMOS. IEEE Transactions on Electron Devices, 1996, 43, 1206-1212.	1.6	51
17	Multipeak negative-differential-resistance device by combining single-electron and metal-oxide-semiconductor transistors. Applied Physics Letters, 2001, 79, 3618-3620.	1.5	49
18	Vaporized-metal cluster formation and effect of kinetic energy of ionized clusters on film formation. Thin Solid Films, 1982, 92, 137-146.	0.8	47

#	ARTICLE	IF	CITATIONS
19	Why the long-term charge offset drift in Si single-electron tunneling transistors is much smaller (better) than in metal-based ones: Two-level fluctuator stability. Journal of Applied Physics, 2008, 104, .	1.1	43
20	Binary adders of multigate single-electron transistors: specific design using pass-transistor logic. IEEE Nanotechnology Magazine, 2002, 1, 93-99.	1.1	40
21	1.0-THz GaN IMPATT Source: Effect of Parasitic Series Resistance. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 954-974.	1.2	39
22	Charge offset stability in tunable-barrier Si single-electron tunneling devices. Applied Physics Letters, 2007, 90, 033507.	1.5	34
23	A gate-defined silicon quantum dot molecule. Applied Physics Letters, 2008, 92, 222104.	1.5	33
24	Multilevel memory using an electrically formed single-electron box. Applied Physics Letters, 2004, 85, 1277-1279.	1.5	31
25	Single-Electron-Resolution Electrometer Based on Field-Effect Transistor. Japanese Journal of Applied Physics, 2008, 47, 8305-8310.	0.8	30
26	Mechanism of metal-semiconductor transition in electric properties of single-walled carbon nanotubes induced by low-energy electron irradiation. Journal of Applied Physics, 2007, 101, 034317.	1.1	27
27	Modified electrochemical charge storage properties of h-BN/rGO superlattice through the transition from n to p type semiconductor by fluorine doping. Chemical Engineering Journal, 2018, 339, 334-345.	6.6	27
28	A Merged Single-Electron Transistor and Metal-Oxide-Semiconductor Transistor Logic for Interface and Multiple-Valued Functions. Japanese Journal of Applied Physics, 2002, 41, 2566-2568.	0.8	25
29	Characterization of platinum and titanium thermistors for terahertz antenna-coupled bolometer applications. Sensors and Actuators A: Physical, 2018, 273, 49-57.	2.0	24
30	Silicon Single-Electron Devices. Nanostructure Science and Technology, 2009, , 125-172.	0.1	23
31	Aluminium epitaxy on Si(111) and Si(100) using an ionized cluster beam. Thin Solid Films, 1985, 124, 179-184.	0.8	22
32	Stochastic data processing circuit based on single electrons using nanoscale field-effect transistors. Applied Physics Letters, 2008, 92, 062105.	1.5	22
33	Width dependence of platinum and titanium thermistor characteristics for application in room-temperature antenna-coupled terahertz microbolometer. Japanese Journal of Applied Physics, 2017, 56, 04CC07.	0.8	21
34	Novel synthesis of a Cu ₂ O-graphene nanoplatelet composite through a two-step electrodeposition method for selective detection of hydrogen peroxide. New Journal of Chemistry, 2018, 42, 3574-3581.	1.4	21
35	Performance improvement of on-chip integrable terahertz microbolometer arrays using nanoscale meander titanium thermistor. Journal of Applied Physics, 2019, 125, .	1.1	21
36	Electrical characterization of metal-insulator-semiconductor diodes fabricated from laser-ablated YBa ₂ Cu ₃ O _{7-x} /yttria-stabilized zirconia films on Si substrates. Applied Physics Letters, 1991, 59, 2889-2891.	1.5	20

#	ARTICLE	IF	CITATIONS
37	A 0.5-V MTCMOS/SIMOX logic gate. IEEE Journal of Solid-State Circuits, 1997, 32, 1604-1609.	3.5	20
38	Film deposition and buried layer formation by mass-analyzed ion beams. Nuclear Instruments & Methods in Physics Research B, 1985, 6, 439-446.	0.6	19
39	Tunable graphene nanopatch antenna design for on-chip integrated terahertz detector arrays with potential application in cancer imaging. Nanomedicine, 2021, 16, 1035-1047.	1.7	19
40	Observation of Initial Stage of Al Epitaxial Growth on Si(111) by Ionized Cluster Beam Deposition. Japanese Journal of Applied Physics, 1985, 24, L173-L174.	0.8	18
41	Analysis of Back-Gate Voltage Dependence of Threshold Voltage of Thin Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistor and Its Application to Si Single-Electron Transistor. Japanese Journal of Applied Physics, 2004, 43, 2036-2040.	0.8	18
42	Titanium silicide and titanium nitride formation by titanium-ion implantation for MOS LSI applications. Journal of Materials Research, 1991, 6, 1238-1247.	1.2	17
43	Infrared detection with silicon nano-field-effect transistors. Applied Physics Letters, 2007, 90, 223108.	1.5	17
44	Fabrication and analytical modeling of integrated heater and thermistor for antenna-coupled bolometers. Sensors and Actuators A: Physical, 2015, 222, 160-166.	2.0	17
45	SOI metal-oxide-semiconductor field-effect transistor photon detector based on single-hole counting. Optics Letters, 2011, 36, 2800.	1.7	16
46	Optimization of narrow width effect on titanium thermistor in uncooled antenna-coupled terahertz microbolometer. Japanese Journal of Applied Physics, 2018, 57, 04FC09.	0.8	16
47	Impurity conduction in phosphorus-doped buried-channel silicon-on-insulator field-effect transistors at temperatures between 10 and 295K. Physical Review B, 2006, 74, .	1.1	15
48	Multilevel memory using single-electron turnstile. Electronics Letters, 2004, 40, 229.	0.5	14
49	Film and interface properties of epitaxial metal/insulator/semiconductor systems formed by ionized cluster beam deposition. Surface Science, 1986, 168, 365-375.	0.8	13
50	Electrostatically gated Si devices: Coulomb blockade and barrier capacitance. Applied Physics Letters, 2006, 89, 052102.	1.5	13
51	Single-Electron Device With Si Nanodot Array and Multiple Input Gates. IEEE Nanotechnology Magazine, 2009, 8, 535-541.	1.1	13
52	Surface Plasmon Antenna with Gold Line and Space Grating for Enhanced Visible Light Detection by a Silicon-on-Insulator Metal-Oxide-Semiconductor Photodiode. IEEE Nanotechnology Magazine, 2012, 11, 346-351.	1.1	12
53	Enhanced Visible Light Sensitivity by Gold Line-and-Space Grating Gate Electrode in Thin Silicon-On-Insulator p-n Junction Photodiode. IEEE Transactions on Electron Devices, 2013, 60, 812-818.	1.6	12
54	Optimization of electric field enhancement of Ag@SiO ₂ trimer nanospheres by finite difference time domain method. Applied Surface Science, 2019, 495, 143547.	3.1	12

#	ARTICLE	IF	CITATIONS
55	Performance Comparison of SOI-Based Temperature Sensors for Room-Temperature Terahertz Antenna-Coupled Bolometers: MOSFET, PN Junction Diode and Resistor. <i>Micromachines</i> , 2020, 11, 718.	1.4	12
56	Room-temperature THz antenna-coupled microbolometer with a Joule-heating resistor at the center of a half-wave antenna. , 2014, , .		10
57	Charge-State Control of Phosphorus Donors in Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistor. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 2588-2591.	0.8	9
58	Quantum effects in the capacitance between a pair of thin and slightly separated SrTiO ₃ slabs: A first-principles study. <i>Physical Review B</i> , 2006, 74, .	1.1	9
59	A differential smoothing technique for the extraction of MOSFET threshold voltage using extrapolation in the linear region. <i>Solid-State Electronics</i> , 2012, 76, 5-7.	0.8	9
60	Material Dependence of Metal Grating on SOI Photodiode for Enhanced Quantum Efficiency. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 1133-1136.	1.3	9
61	Al metallization by ionized-cluster beam deposition and epitaxy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1985, 7-8, 900-905.	0.6	8
62	Sub-1/4- μ m dual-gate CMOS technology using in-situ doped polysilicon for nMOS and pMOS gates. <i>IEEE Transactions on Electron Devices</i> , 1995, 42, 1583-1590.	1.6	8
63	Simultaneous-Sweep Method for Evaluation of Single-Electron Transistors with Barriers Induced by Gate Electric Field. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1048-L1050.	0.8	8
64	Automatic Control of Oscillation Phase of a Single-Electron Transistor. <i>IEEE Electron Device Letters</i> , 2004, 25, 31-33.	2.2	8
65	Back-Gate Effect on Coulomb Blockade in Silicon-on-Insulator Trench Wires. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 7717-7719.	0.8	8
66	Nitrogen in-situ doped poly buffer LOCOS: simple and scalable isolation technology for deep-submicron silicon devices. <i>IEEE Transactions on Electron Devices</i> , 1996, 43, 311-317.	1.6	7
67	Development of silicon single-electron devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 19, 95-101.	1.3	7
68	Foundry Metal- ϵ -Oxide- ϵ -Semiconductor Field-Effect-Transistor Electrometer for Single-Electron Detection. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 4855-4858.	0.8	7
69	Fabrication of double-dot single-electron transistor in silicon nanowire. <i>Thin Solid Films</i> , 2010, 518, S186-S189.	0.8	7
70	Sensitivity improvement of silicon-on-insulator photodiode by gold nanoparticles with substrate bias control. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	7
71	10 ^{1/4} W/cm ² -Class High Power Density Planar Si-Nanowire Thermoelectric Energy Harvester Compatible with CMOS-VLSI Technology. , 2018, , .		7
72	Charge-Injection Effects in a Single 4,4''-Terphenyldithiol Molecule. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 8759-8763.	0.8	6

#	ARTICLE	IF	CITATIONS
73	Molecular-Mediated Single-Electron Devices Operating at Room Temperature. Japanese Journal of Applied Physics, 2006, 45, 4285-4289.	0.8	6
74	Long Retention of Gain-Cell Dynamic Random Access Memory With Undoped Memory Node. IEEE Electron Device Letters, 2007, 28, 48-50.	2.2	6
75	Charge transport in boron-doped nano MOSFETs: Towards single-dopant electronics. Applied Surface Science, 2008, 254, 6252-6256.	3.1	6
76	Broadband absorption enhancement of thin SOI photodiode with high-density gold nanoparticles. Optical Materials Express, 2014, 4, 725.	1.6	6
77	Fabrication and single-electron-transfer operation of a triple-dot single-electron transistor. Journal of Applied Physics, 2015, 118, .	1.1	6
78	Ultrahigh-Frequency Characteristics of Single-Electron Transistor. , 2018, , .		6
79	Synthesis of Tri-functional Core-shell CuO@carbon Quantum Dots@carbon Hollow Nanospheres Heterostructure for Non-enzymatic H ₂ O ₂ Sensing and Overall Water Splitting Applications. Electroanalysis, 2019, 31, 2120-2129.	1.5	6
80	Angle-Sensitive Detector Based on Silicon-On-Insulator Photodiode Stacked with Surface Plasmon Antenna. Sensors, 2020, 20, 5543.	2.1	6
81	Single-Photon Detection by a Simple Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistor. Japanese Journal of Applied Physics, 2012, 51, 06FE01.	0.8	6
82	A multiple-valued single-electron SRAM by the PADOX process. , 0, , .		5
83	Silicon nanodot-array device with multiple gates. Materials Science in Semiconductor Processing, 2008, 11, 175-178.	1.9	5
84	Single-Photon Detection by a Simple Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistor. Japanese Journal of Applied Physics, 2012, 51, 06FE01.	0.8	5
85	Angular selectivity of SOI photodiode with surface plasmon antenna. IEICE Electronics Express, 2020, 17, 20200187-20200187.	0.3	5
86	Transfer and Detection of Single Electrons Using Metal-Oxide-Semiconductor Field-Effect Transistors. IEICE Transactions on Electronics, 2007, E90-C, 943-948.	0.3	5
87	Degradation and Recovery of Metal-Oxide-Semiconductor (MOS) Devices Stressed with Fowler-Nordheim (FN) Gate Current. Japanese Journal of Applied Physics, 1991, 30, 1931-1936.	0.8	4
88	A High-Density Ternary Content-Addressable Memory Using Single-Electron Transistors. , 2006, , .		4
89	Studies on Metal-Oxide-Semiconductor Field-Effect Transistor Low-Frequency Noise for Electrometer Applications. Japanese Journal of Applied Physics, 2006, 45, 3606-3608.	0.8	4
90	Field-Effect Transistor with Deposited Graphite Thin Film. Japanese Journal of Applied Physics, 2007, 46, 2615-2617.	0.8	4

#	ARTICLE	IF	CITATIONS
91	Impact of Space-Energy Correlation on Variable Range Hopping in a Transistor. Physical Review Letters, 2007, 98, 166601.	2.9	4
92	Fabrication Method of Sub-100 nm Metalâ€“Oxideâ€“Semiconductor Field-Effect Transistor with Thick Gate Oxide. Japanese Journal of Applied Physics, 2010, 49, 128002.	0.8	4
93	Enhancement of SOI Photodiode Sensitivity by Aluminum Grating. ECS Transactions, 2013, 53, 127-130.	0.3	4
94	(Invited) High-Speed Operation of Si Single-Electron Transistor. ECS Transactions, 2013, 58, 73-80.	0.3	4
95	A SILAR method for the fabrication of layer-by-layer assembled Cu₂O-reduced graphene oxide composite for non-enzymatic detection of hydrogen peroxide. Materials Research Express, 2019, 6, 025045.	0.8	4
96	Design and Development of Terahertz Medical Screening Devices. Lecture Notes in Electrical Engineering, 2021, , 395-404.	0.3	4
97	High-frequency rectifying characteristics of metallic single-electron transistor with niobium nanodots. Japanese Journal of Applied Physics, 2022, 61, SC1063.	0.8	4
98	Single-electron device using Si nanodot array and multi-input gates. , 2006, , .		3
99	Effect of UV/Ozone Treatment on Nanogap Electrodes for Molecular Devices. Japanese Journal of Applied Physics, 2007, 46, 1731-1733.	0.8	3
100	Antenna-Coupled Terahertz Microbolometers with Meander Structures: the Comparison of Titanium and Platinum Thermistors. , 2018, , .		3
101	Application of bow-tie surface plasmon antenna to silicon on insulator nanowire photodiode for enhanced light absorption. IEICE Electronics Express, 2018, 15, 20180328-20180328.	0.3	3
102	First-Principles Study of Field-Effect Doping in Nano-Scale Systems by the Enforced Fermi-Energy Difference Method. E-Journal of Surface Science and Nanotechnology, 2005, 3, 453-456.	0.1	3
103	FDTD Study on Evolution of Trimer Silver@Silica Nanospheres to Dimer for SERS Characteristics. Plasmonics, 2022, 17, 647-652.	1.8	3
104	Responsivity and NEP Improvement of Terahertz Microbolometer by High-Impedance Antenna. Sensors, 2022, 22, 5107.	2.1	3
105	Silicon single-charge transfer devices. Journal of Physics and Chemistry of Solids, 2008, 69, 702-707.	1.9	2
106	Evaluation of adhesion materials for gold line-and-space surface plasmon antenna on SOI-MOS photodiode. , 2010, , .		2
107	Low Frequency Noise Characterization in Metal Oxide Semiconductor Field Effect Transistor Based Charge Transfer Device at Room and Low Temperatures. Japanese Journal of Applied Physics, 2010, 49, 034203.	0.8	2
108	Investigation of Adhesion Materials for Gold Line-and-Space Surface Plasmon Antenna on SOI-MOS Photodiode. Advanced Materials Research, 0, 222, 201-204.	0.3	2

#	ARTICLE	IF	CITATIONS
109	Single-Photon Detector Based on MOSFET Electrometer with Single-Electron Sensitivity. Advanced Materials Research, 2011, 222, 3-7.	0.3	2
110	Effect of Arrangement of Input Gates on Logic Switching Characteristics of Nanodot Array Device. IEICE Transactions on Electronics, 2012, E95.C, 865-870.	0.3	2
111	Effects of substrate voltage on noise characteristics and hole lifetime in SOI metal-oxide-semiconductor field-effect transistor photon detector. Optics Express, 2014, 22, 22072.	1.7	2
112	Investigation of silicon-on-insulator CMOS integrated thermocouple and heater for antenna-coupled bolometer. Japanese Journal of Applied Physics, 2019, 58, SDDE08.	0.8	2
113	Impact of Downscaling on Terahertz Antenna-Coupled Bolometers. , 2019, , .		2
114	High Responsivity and Low NEP of Room-Temperature Terahertz Antenna-Coupled Microbolometers with Meander Titanium Thermistor. , 2019, , .		2
115	Full Adder Operation Based on Si Nanodot Array Device with Multiple Inputs and Outputs. International Journal of Nanotechnology and Molecular Computation, 2009, 1, 58-69.	0.3	2
116	Direct Determination of Interface Trapped Charges. Japanese Journal of Applied Physics, 1991, 30, L888-L890.	0.8	1
117	Sub-1/4 μm Dual Gate CMOS Technology using In Situ Doped Polysilicons for N and PMPS Gates. , 1993, , .		1
118	A 4:1 MUX Circuit Using 1/4 Micron CMOS/SIMOX for High-Speed and Low-Power Applications. Japanese Journal of Applied Physics, 1996, 35, 902-905.	0.8	1
119	Correction to "A compact analytical model for asymmetric single-electron tunneling transistors". IEEE Transactions on Electron Devices, 2003, 50, 862-862.	1.6	1
120	Silicon nano-devices and single-electron devices. , 0, , .		1
121	Silicon Single-Electron Pump and Turnstile: Interplay with Crystalline Imperfections. Materials Research Society Symposia Proceedings, 2005, 864, 671.	0.1	1
122	Fast All-Optical Pulse Train Modulation by Silicon Photonic Crystal Nanocavities. , 2006, , .		1
123	Geometrical effect in submicrometer channel organic field effect transistors. Thin Solid Films, 2009, 518, 579-582.	0.8	1
124	Electromagnetic testing and image reconstruction with flexible scanning tablets. , 2009, , .		1
125	Effect of oxide thickness on the low-frequency noise in MOSFET-based charge transfer devices. , 2010, , .		1
126	High-Efficiency SOI Photodetector Utilizing Surface Plasmon Resonance in Gold Corrugated Structure. Advanced Materials Research, 0, 222, 154-157.	0.3	1

#	ARTICLE	IF	CITATIONS
127	High-frequency properties of Si single-electron transistor. , 2012, , .		1
128	Highly sensitive and functional photodetectors based on silicon-on-insulator. , 2016, , .		1
129	Directivity of SOI Photodiode with Gold Surface Plasmon Antenna. , 2019, , .		1
130	Room-Temperature Terahertz Antenna-Coupled Microbolometers with Titanium Thermistor and Heater. , 2019, , .		1
131	Terahertz Radiation from Gallium Phosphide Avalanche Transit Time Sources. , 2021, , 49-58.		1
132	Real-time FPGA-based signal processing for silicon-on-insulator MOSFET single-photon detector: study on photon number statistics. Japanese Journal of Applied Physics, 2021, 60, 092004.	0.8	1
133	Measurement of thermal conductivity and thermal diffusivity of one-dimensional-system material by scanning electron microscopy and infrared thermography. AIP Advances, 2021, 11, .	0.6	1
134	Electrical Characterization of Terphenyl-Based Molecular Devices. Japanese Journal of Applied Physics, 2011, 50, 071603.	0.8	1
135	Identification of double quantum dots in nanowire devices by single-gate sweeps. , 0, , .		1
136	Submicron MOSFETs with S/D Diffusions on a Field Insulator. , 1986, , .		1
137	Ion beam deposition. Microelectronic Engineering, 1984, 2, 113-120.	1.1	0
138	Silicon Single-Electron Transistors and Single-Electron CCD. Materials Research Society Symposia Proceedings, 2001, 686, 1.	0.1	0
139	Automatic control of the oscillation phase of a single-electron transistor by a memory node with a small MOSFET. , 0, , .		0
140	Enhancement of light absorption by Au L/S grating for thin SOI photodetector. , 2008, , .		0
141	Full adder operation based on Si nanodot array device. , 2008, , .		0
142	Single-photon detection by SOI MOSFET. , 2011, , .		0
143	èj"éçāf—āf ©ā,°āf çāf 3ā, 'ā^ ©ç"ā—āŸā...%œœā†°ā™"ā@æçšèf1/2āā,Š. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan		0
144	Electrical Characterization of Terphenyl-Based Molecular Devices. Japanese Journal of Applied Physics, 2011, 50, 071603.	0.8	0

#	ARTICLE	IF	CITATIONS
145	Si Nanodot Device Fabricated by Thermal Oxidation and their Applications. Key Engineering Materials, 2011, 470, 175-183.	0.4	0
146	Optoelectrical lifetime evaluation of single holes in SOI MOSFET. , 2012, , .		0
147	Evolution of photodetectors by silicon-on-insulator material. , 2013, , .		0
148	Substrate bias effects on noise and minority carrier lifetime in SOI MOSFET single-photon detector. , 2013, , .		0
149	Analysis of Hole Lifetime in SOI MOSFET Single-Photon Detector. MAKARA of Technology Series, 2013, 17, .	0.0	0
150	Thermal conductance and heat capacity measurement utilizing suspended-wire resistor. , 2017, , .		0
151	Strong Quantum Confinement Effects in Nanometer Devices with Graphene Directly Grown on Insulator by Catalyst-free Chemical Vapor Deposition. Current Graphene Science, 2017, 1, .	0.5	0
152	Comparative Study on 1-THz Antenna-Coupled Bolometer with Various SOI-CMOS based Temperature Sensors: MOSFET, Diode, Resistor and Thermocouple. , 2019, , .		0
153	Polarization Dependence Of Incident Angle Sensitivity In Soi Photodiode With 2d Hole Array Grating. , 2020, , .		0
154	Noncontact Characterization Techniques of GaN-Based Terahertz Devices. Lecture Notes in Electrical Engineering, 2021, , 29-42.	0.3	0
155	Special Section on Novel Device Architectures and System Integration Technologies. IEICE Transactions on Electronics, 2006, E89-C, 1491-1491.	0.3	0
156	Resistance Ridges Along Filling Factor $\hat{1}/2 = 4i$ in SiO ₂ /Si/SiO ₂ Quantum Wells. AIP Conference Proceedings, 2007, , .	0.3	0
157	Direct Measurement of Capacitance Parameters in Nanometer-Scale MOSFETs. IEJ Transactions on Electronics, Information and Systems, 2008, 128, 905-911.	0.1	0
158	A Complete Self-aligned-gate LID-MOS Technology. , 1988, , .		0
159	Electrical Characterization of YBCO/YSZ/Si Diodes. , 1991, , .		0
160	Full Adder Operation Based on Si Nanodot Array Device with Multiple Inputs and Outputs. , 0, , 131-139.		0
161	Substrate Bias Effect on SOI-based Thermoelectric Power Generator. , 2021, , .		0
162	Responsivity Calibration of Terahertz Pyroelectric Detector Based on Blackbody Radiator. , 2021, , .		0