

# Hyungcheol Shin

## List of Publications by Citations

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142  
papers

1,490  
citations

22  
h-index

32  
g-index

184  
ext. papers

1,737  
ext. citations

2.5  
avg, IF

4.47  
L-index

#	Paper	IF	Citations
142	A simple and analytical parameter-extraction method of a microwave MOSFET. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2002</b> , 50, 1503-1509	4.1	87
141	Analytical drain thermal noise current model valid for deep submicron MOSFETs. <i>IEEE Transactions on Electron Devices</i> , <b>2004</b> , 51, 261-269	2.9	75
140	Non-quasi-static small-signal modeling and analytical parameter extraction of SOI FinFETs. <i>IEEE Nanotechnology Magazine</i> , <b>2006</b> , 5, 205-210	2.6	63
139	A simple wide-band on-chip inductor model for silicon-based RF ICs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2003</b> , 51, 2023-2028	4.1	54
138	. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 35-45	2.9	50
137	Complete high-frequency thermal noise modeling of short-channel MOSFETs and design of 5.2-GHz low noise amplifier. <i>IEEE Journal of Solid-State Circuits</i> , <b>2005</b> , 40, 726-735	5.5	49
136	Room temperature single electron effects in a Si nano-crystal memory. <i>IEEE Electron Device Letters</i> , <b>1999</b> , 20, 630-631	4.4	49
135	A simple and accurate method for extracting substrate resistance of RF MOSFETs. <i>IEEE Electron Device Letters</i> , <b>2002</b> , 23, 434-436	4.4	34
134	A New Capacitorless 1T DRAM Cell: Surrounding Gate MOSFET With Vertical Channel (SGVC Cell). <i>IEEE Nanotechnology Magazine</i> , <b>2007</b> , 6, 352-357	2.6	31
133	Low hysteresis pentacene thin-film transistors using SiO <sub>2</sub> /cross-linked poly(vinyl alcohol) gate dielectric. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 263507	3.4	31
132	A simple parameter extraction method of spiral on-chip inductors. <i>IEEE Transactions on Electron Devices</i> , <b>2005</b> , 52, 1976-1981	2.9	31
131	Characteristics of p-channel Si nano-crystal memory. <i>IEEE Transactions on Electron Devices</i> , <b>2001</b> , 48, 874-879	2.9	30
130	Activation Energies $(E_{\{a\}})$ of Failure Mechanisms in Advanced NAND Flash Cells for Different Generations and Cycling. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 1099-1107	2.9	27
129	A Simple Figure of Merit of RF MOSFET for Low-Noise Amplifier Design. <i>IEEE Electron Device Letters</i> , <b>2008</b> , 29, 1380-1382	4.4	27
128	An RF model of the accumulation-mode MOS varactor valid in both accumulation and depletion regions. <i>IEEE Transactions on Electron Devices</i> , <b>2003</b> , 50, 1997-1999	2.9	27
127	Modeling and Parameter Extraction for the Series Resistance in Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , <b>2009</b> , 56, 431-440	2.9	24
126	Analysis of Failure Mechanisms and Extraction of Activation Energies $(E_{\{a\}})$ in 21-nm nand Flash Cells. <i>IEEE Electron Device Letters</i> , <b>2013</b> , 34, 48-50	4.4	23

125	A study on the carrier injection mechanism of the bottom-contact pentacene thin film transistor. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 103305	3.4	23
124	Admittance Measurements on OFET Channel and Its Modeling With $\pi$ -RC Network. <i>IEEE Electron Device Letters</i> , <b>2007</b> , 28, 204-206	4.4	23
123	DC and AC characteristics of sub-50-nm MOSFETs with source/drain-to-gate nonoverlapped structure. <i>IEEE Nanotechnology Magazine</i> , <b>2002</b> , 1, 219-225	2.6	23
122	An analytical channel thermal noise model for deep-submicron MOSFETs with short channel effects. <i>Solid-State Electronics</i> , <b>2007</b> , 51, 1034-1038	1.7	22
121	A -119.2 dBc/Hz at 1 MHz, 1.5 mW, fully integrated, 2.5-GHz, CMOS VCO using helical inductors. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2003</b> , 13, 457-459	2.6	22
120	Single-Crystalline Si Stacked ARray (STAR) NAND Flash Memory. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 1006-1014	2.9	21
119	Separate Extraction of Gate Resistance Components in RF MOSFETs. <i>IEEE Transactions on Electron Devices</i> , <b>2007</b> , 54, 1459-1463	2.9	21
118	A simple four-terminal small-signal model of RF MOSFETs and its parameter extraction. <i>Microelectronics Reliability</i> , <b>2003</b> , 43, 601-609	1.2	20
117	Accurate Lifetime Estimation of Sub-20-nm NAND Flash Memory. <i>IEEE Transactions on Electron Devices</i> , <b>2016</b> , 63, 659-667	2.9	19
116	The Compact Modeling of Channel Potential in Sub-30-nm NAND Flash Cell String. <i>IEEE Electron Device Letters</i> , <b>2012</b> , 33, 321-323	4.4	19
115	An Accurate Compact Model Considering Direct-Channel Interference of Adjacent Cells in Sub-30-nm nand Flash Technologies. <i>IEEE Electron Device Letters</i> , <b>2012</b> , 33, 1114-1116	4.4	19
114	Investigation of Random Telegraph Noise in Gate-Induced Drain Leakage and Gate Edge Direct Tunneling Currents of High- $\kappa$ MOSFETs. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 913-918	2.9	19
113	13 GHz 4.67 dB NF CMOS low-noise amplifier. <i>Electronics Letters</i> , <b>2003</b> , 39, 1056	1.1	19
112	Generation Dependence of Retention Characteristics in Extremely Scaled NAND Flash Memory. <i>IEEE Electron Device Letters</i> , <b>2013</b> , 34, 1139-1141	4.4	17
111	Compact Model Strategy of Metal-Gate Work-Function Variation for Ultrascaled FinFET and Vertical GAA FETs. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 1613-1616	2.9	14
110	Analysis on Self-Heating Effects in Three-Stacked Nanoplate FET. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 4520-4526	2.9	14
109	The effects of deuterium annealing on the reduction of dark currents in the CMOS APS. <i>IEEE Transactions on Electron Devices</i> , <b>2004</b> , 51, 1346-1349	2.9	14
108	50 nm MOSFET with electrically induced source/drain (S/D) extensions. <i>IEEE Transactions on Electron Devices</i> , <b>2001</b> , 48, 2058-2064	2.9	14

107	Analysis of Electrothermal Characteristics of GAA Vertical Nanoplate-Shaped FETs. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 3061-3064	2.9	13
106	Independent Double-Gate Fin SONOS Flash Memory Fabricated With Sidewall Spacer Patterning. <i>IEEE Transactions on Electron Devices</i> , <b>2009</b> , 56, 1721-1728	2.9	13
105	. <i>IEEE Transactions on Electron Devices</i> , <b>2009</b> , 56, 2489-2495	2.9	13
104	Investigation of Gate Etch Damage at Metal/High- $\kappa$ Gate Dielectric Stack Through Random Telegraph Noise in Gate Edge Direct Tunneling Current. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 569-571	4.4	13
103	Optimization of cascode configuration in CMOS low-noise amplifier. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 646-649	1.2	13
102	Separation of Corner Component in TAT Mechanism in Retention Characteristics of Sub 20-nm NAND Flash Memory. <i>IEEE Electron Device Letters</i> , <b>2014</b> , 35, 51-53	4.4	12
101	RTS-like fluctuation in Gate Induced Drain Leakage current of Saddle-Fin type DRAM cell transistor <b>2009</b> ,		12
100	A simple technique to measure generation lifetime in partially depleted SOI MOSFETs. <i>IEEE Transactions on Electron Devices</i> , <b>1998</b> , 45, 2378-2380	2.9	12
99	Programming characteristics of p-channel Si nano-crystal memory. <i>IEEE Electron Device Letters</i> , <b>2000</b> , 21, 313-315	4.4	12
98	Analysis of failure mechanisms in erased state of sub 20-nm NAND Flash memory <b>2014</b> ,		10
97	Characterization of random telegraph noise in gate induced drain leakage current of n- and p-type metal-oxide-semiconductor field-effect transistors. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 043502	3.4	10
96	RF performance of pre-patterned locally-embedded-back-gate graphene device <b>2010</b> ,		10
95	Performance improvement of scaled-down top-contact OTFTs by two-step-deposition of pentacene. <i>IEEE Electron Device Letters</i> , <b>2005</b> , 26, 903-905	4.4	10
94	Investigation of Gate Sidewall Spacer Optimization From OFF-State Leakage Current Perspective in 3-nm Node Device. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2532-2537	2.9	9
93	A Vertical 4-Bit SONOS Flash Memory and a Unique 3-D Vertical nor Array Structure. <i>IEEE Nanotechnology Magazine</i> , <b>2010</b> , 9, 70-77	2.6	9
92	Gate bias dependence of the substrate signal coupling effect in RF MOSFETs. <i>IEEE Electron Device Letters</i> , <b>2003</b> , 24, 183-185	4.4	9
91	MOSFET MODELING AND PARAMETER EXTRACTION FOR RF IC'S. <i>Selected Topics in Electornics and Systems</i> , <b>2002</b> , 67-120	0	9
90	Device Investigation of Nanoplate Transistor With Spacer Materials. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 766-770	2.9	9

89	Strain Engineering for 3.5-nm Node in Stacked-Nanoplate FET. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2898-2903	2.9	8
88	Variability-Aware Machine Learning Strategy for 3-D NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 1575-1580	2.9	8
87	Self-Heating and Electrothermal Properties of Advanced Sub-5-nm Node Nanoplate FET. <i>IEEE Electron Device Letters</i> , <b>2020</b> , 41, 977-980	4.4	8
86	Is quantum capacitance in graphene a potential hurdle for device scaling?. <i>Nano Research</i> , <b>2014</b> , 7, 453-461	4.0	8
85	DIBL-Induced Program Disturb Characteristics in 32-nm NAND Flash Memory Array. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 3626-3629	2.9	8
84	A New Noise Parameter Model of Short-Channel MOSFETs. <i>Radio Frequency Integrated Circuits (RFIC) Symposium, IEEE</i> , <b>2007</b> ,		8
83	Thermal-Aware Shallow Trench Isolation Design Optimization for Minimizing $I_{OFF}$ in Various Sub-10-nm 3-D Transistors. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 647-654	2.9	8
82	Characterization of Border Trap Density With the Multifrequency Charge Pumping Technique in Dual-Layer Gate Oxide. <i>IEEE Transactions on Electron Devices</i> , <b>2011</b> , 58, 2752-2758	2.9	7
81	Extraction of $\pi$ -Type Substrate Resistance Based on Three-Port Measurement and the Model Verification up to 110 GHz. <i>IEEE Electron Device Letters</i> , <b>2007</b> , 28, 425-427	4.4	7
80	Design and optimization of two-bit double-gate nonvolatile memory cell for highly reliable operation. <i>IEEE Nanotechnology Magazine</i> , <b>2006</b> , 5, 180-185	2.6	7
79	Drain current thermal noise modeling for deep submicron n- and p-channel MOSFETs. <i>Solid-State Electronics</i> , <b>2004</b> , 48, 2255-2262	1.7	7
78	Modeling of Lateral Migration Mechanism During the Retention Operation in 3D NAND Flash Memories <b>2019</b> ,		6
77	Probability Level Dependence of Failure Mechanisms in Sub-20 nm NAND Flash Memory. <i>IEEE Electron Device Letters</i> , <b>2014</b> , 35, 348-350	4.4	6
76	Capture Cross Section of Traps Causing Random Telegraph Noise in Gate-Induced Drain Leakage Current. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 1268-1271	2.9	6
75	Extraction of Location and Energy Level of the Trap Causing Random Telegraph Noise at Reverse-Biased Region in GaN-Based Light-Emitting Diodes. <i>IEEE Transactions on Electron Devices</i> , <b>2012</b> , 59, 3495-3502	2.9	6
74	Characterization of oxide traps leading to RTN in high-k and metal gate MOSFETs <b>2009</b> ,		6
73	Investigation and Compact Modeling of Hot-Carrier Injection for Read Disturbance in 3-D NAND Flash Memory. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 2778-2784	2.9	5
72	A Compact Model for ISPP of 3-D Charge-Trap NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 3095-3101	2.9	5

71	A Simple Model for Capture and Emission Time Constants of Random Telegraph Signal Noise. <i>IEEE Nanotechnology Magazine</i> , <b>2011</b> , 10, 1352-1356	2.6	5
70	2.4 GHz ISM-Band Receiver Design in a 0.18 $\mu\text{m}$ Mixed Signal CMOS Process. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 736-738	2.6	5
69	A direct method to extract the substrate resistance components of RF MOSFETs valid up to 50 GHz		5
68	Fringe Capacitance Modeling in NanoPlate MOSFET Using Conformal Mapping. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2446-2449	2.9	3
67	Separation of Lateral Migration Components by Hole During the Short-Term Retention Operation in 3-D NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 2645-2647	2.9	3
66	Extraction of Mobility in 3-D NAND Flash Memory with Poly-Si Based Macaroni Structure <b>2020</b> ,		3
65	Compact modeling of extremely scaled graphene FETs. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 1797-1801	0.6	3
64	Characterization of oxide traps by RTN measurement in MOSFETs and memory devices <b>2010</b> ,		3
63	0.7 V supply highly linear subthreshold low-noise amplifier design for 2.4 GHz wireless sensor network applications. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 1316-1320	1.2	3
62	Accurate extraction of $\tau_I$ due to random telegraph noise in gate edge current of high-k n-type metal-oxide-semiconductor field-effect transistors under accumulation mode. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 023505	3.4	3
61	A capacitor-less 1T-DRAM cell with vertical surrounding gates using gate-induced drain-leakage (GIDL) current <b>2008</b> ,		3
60	On the Characteristics and Spatial Dependence of Channel Thermal Noise in Nanoscale Metal-Oxide-Semiconductor Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 2636-2640	1.4	3
59	Improving the Endurance Characteristics Through Boron Implant at Active Edge in 1 G NAND Flash <b>2007</b> ,		3
58	A scalable model for the substrate resistance in multi-finger RF MOSFETs		3
57	Comparative Analysis of Hot Carrier Degradation (HCD) in 10-nm Node nMOS/pMOS FinFET Devices. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 5396-5402	2.9	3
56	Improving Read Disturb Characteristics by Using Double Common Source Line and Dummy Switch Architecture in Multi Level Cell NAND Flash Memory with Low Power Consumption. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 04DD03	1.4	3
55	Investigation and SPICE Compact Model of Spacer Region for Static Characteristics of 3-D NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 4158-4165	2.9	3
54	Cell Pattern Dependency of Charge Failure Mechanisms During Short-Term Retention in 3-D NAND Flash Memories. <i>IEEE Electron Device Letters</i> , <b>2020</b> , 41, 1645-1648	4.4	3

53	BSIM-CMG Modeling for 3D NAND Cell with Macaroni Channel <b>2019</b> ,		2
52	Analysis on DC and AC Characteristics of Self Heating Effect in Nanowire. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 3056-3059	1.3	2
51	Trench-type deep N-well dual guard ring for the suppression of substrate noise coupling. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2011</b> , 21, 36-44	1.5	2
50	Electrical instabilities and low-frequency noise in InGaZnO thin film transistors <b>2010</b> ,		2
49	Experimental Investigation of Quasi-Ballistic Carrier Transport Characteristics in 10-nm Scale MOSFETs. <i>IEEE Nanotechnology Magazine</i> , <b>2011</b> , 10, 975-979	2.6	2
48	Deembedding Accuracy for Device Scale and Interconnection Line Parasitics. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2009</b> , 19, 713-715	2.6	2
47	Photocurrent effect on the zero-Bias dynamic resistance of HgCdTe photodiode. <i>Journal of Electronic Materials</i> , <b>1997</b> , 26, 662-666	1.9	2
46	Active and Passive RF Device Compact Modeling in CMOS Technoloies <b>2006</b> ,		2
45	Effects of S/D non-overlap and high-/spl kappa/ dielectrics on nano CMOS design		2
44	Modeling of Lateral Migration Mechanism of Holes in 3D NAND Flash Memory Charge Trap Layer during Retention Operation <b>2019</b> ,		2
43	Prediction of Alpha Particle Effect on 5-nm Vertical Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 806-809	2.9	2
42	Modeling of Nanoplate Parasitic Extension Resistance and its Associated Dependency on Spacer Materials. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 2527-2531	2.9	1
41	A Simple and Accurate Modeling Method of Channel Thermal Noise Using BSIM4 Noise Models. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , <b>2020</b> , 39, 4351-4358	2.5	1
40	Analysis and Comparison of Interface Trap for Single and 3D Stacked Nanowire FET. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 7121-7125	1.3	1
39	Analysis of Variation and Ferroelectric Layer Thickness on Negative Capacitance Nanowire Field-Effect Transistor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 6710-6714	1.3	1
38	63.4: Extraction of the Location and the Energy Level of the Trap using Random Telegraph Noise in GaN-based Light-Emitting Diode. <i>Digest of Technical Papers SID International Symposium</i> , <b>2012</b> , 43, 865-868	0.5	1
37	Poly-silicon quantum-dot single-electron transistors. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 60, 108-112	0.6	1
36	L-Shaped Tunneling Field-Effect Transistors for Complementary Logic Applications. <i>IEICE Transactions on Electronics</i> , <b>2013</b> , E96.C, 634-638	0.4	1

35	Effects of aluminum layer and oxidation on TiO <sub>2</sub> based bipolar resistive random access memory (RRAM) <b>2010</b> ,		1
34	Observation of three-level random telegraph noise in GIDL current of Saddle-Fin type DRAM cell transistor <b>2010</b> ,		1
33	Device and Circuit Codesign Strategy for Application to Low-Noise Amplifier Based on Silicon Nanowire MetalOxideSemiconductor Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 04DN03	1.4	1
32	Low noise capacitive sensor for multi-touch mobile handset's applications <b>2010</b> ,		1
31	A comparative study of the program efficiency of gate all around SONOS and TANOS flash memory <b>2010</b> ,		1
30	Simulation study for suppressing corner effect in a saddle MOSFET for Sub-50 nm high density high performance DRAM cell transistor <b>2009</b> ,		1
29	Non-ideal characteristic analysis of GaN-based light-emitting diode using current-voltage (I-V) and low-frequency noise experiment <b>2011</b> ,		1
28	Study of slow oxide trap creating random telegraph noise within a gate edge overlap region in inversion mode. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 232904	3.4	1
27	A low power low noise amplifier with subthreshold operation in 130 nm CMOS technology. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 2762-2764	1.2	1
26	A novel gated transmission line method for organic thin film transistors <b>2007</b> ,		1
25	Fin width variation effects on program disturbance characteristics in a NAND type bulk fin SONOS flash memory <b>2007</b> ,		1
24	Extraction and modeling of gate electrode resistance in rf MOSFETs <b>2005</b> ,		1
23	Thermal noise modeling for short-channel MOSFETs <b>2003</b> ,		1
22	Accurate four-terminal RF MOSFET model accounting for the short-channel effect in the source-to-drain capacitance <b>2003</b> ,		1
21	P-18: Performance Improvement of Scaled-down Top-contact OTFTs by Two-Step-Deposition of Pentacene. <i>Digest of Technical Papers SID International Symposium</i> , <b>2005</b> , 36, 292	0.5	1
20	Machine learning model for predicting threshold voltage by taper angle variation and word line position in 3D NAND flash memory. <i>IEICE Electronics Express</i> , <b>2020</b> , 17, 20200345-20200345	0.5	1
19	Investigation and Modeling of Z-Interference in Poly-Si Channel-Based 3-D NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2022</b> , 69, 543-548	2.9	1
18	Application of the Compact Channel Thermal Noise Model of Short Channel MOSFETs to CMOS RFIC Design. <i>IEICE Transactions on Electronics</i> , <b>2009</b> , E92-C, 627-634	0.4	1

17	3-Dimensional Terraced NAND (3D TNAND) Flash Memory-Stacked Version of Folded NAND Array. <i>IEICE Transactions on Electronics</i> , <b>2009</b> , E92-C, 653-658	0.4	1
16	Methodology to Predict Random Telegraph Noise Induced Threshold Voltage Shift Using Machine Learning <b>2020</b> ,		1
15	Analysis and Compact Modeling of Fast Detrapping From Bandgap-Engineered Tunneling Oxide in 3-D NAND Flash Memories. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 3339-3345	2.9	1
14	Comparison for Performance and Reliability Between Nanowire FET and FinFET versus Technology Node. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 7227-7230	1.3	0
13	Line Edge Roughness and Process Variation Effect of Three Stacked Gate-All-Around Silicon MOSFET Devices. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 7130-7133	1.3	0
12	Simulation of Retention Characteristics in Double-Gate Structure Multi-Bit SONOS Flash Memory. <i>IEICE Transactions on Electronics</i> , <b>2009</b> , E92-C, 659-663	0.4	0
11	Variability-Aware Simulation Strategy for Gate-All-Around Vertical Field Effect Transistor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 6715-6721	1.3	
10	Effect of Various Geometry Parameters on the Performance of Nanoplate Field Effect Transistor with Negative Capacitance. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 6736-6740	1.3	
9	Device Optimization of Nano-Plate Transistors for 3.5 nm Technology Node. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 6771-6775	1.3	
8	Correction to Generation Dependence of Retention Characteristics in Extremely Scaled NAND Flash Memory [Sep 13 1139-1141]. <i>IEEE Electron Device Letters</i> , <b>2013</b> , 34, 1345-1345	4.4	
7	Investigation of Work Function Variation Induced by Metal Gate and Process Variation Effect in 3D Stacked Nanowire FET Devices. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 7115-7120	1.3	
6	Accurate Extraction of Excess Channel Thermal Noise Coefficient in Berkeley Short-Channel Insulated Gate Field-Effect Transistor Model 4. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 04C037	1.4	
5	Low power size-efficient CMOS UWB low-noise amplifier design. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 494-496	1.2	
4	Size efficient low-noise amplifier for 2.4 GHz ISM-band transceiver. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 2304-2308	1.2	
3	Small size low noise amplifier with suppressed noise from gate resistance. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 2300-2304	1.2	
2	Various Extraction Methods for Parasitic Capacitances in Nanowire FET. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 3051-3055	1.3	
1	Simulation Study on Dependence of Channel Potential Self-Boosting on Device Scale and Doping Concentration in 2-D and 3-D NAND-Type Flash Memory Devices. <i>IEICE Transactions on Electronics</i> , <b>2010</b> , E93-C, 596-601	0.4	