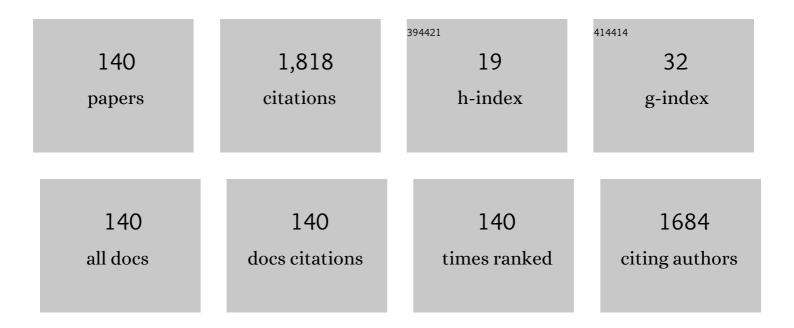
Hiroyuki Ota

List of Publications by Year in descending order

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ΗΙΡΟΥΙΙΚΙ ΟΤΛ

#	Article	IF	CITATIONS
1	Experimental evidence for the flatband voltage shift of high-k metal-oxide-semiconductor devices due to the dipole formation at the high-kâ^SiO2 interface. Applied Physics Letters, 2008, 92, .	3.3	140
2	Polarization switching behavior of Hf–Zr–O ferroelectric ultrathin films studied through coercive field characteristics. Japanese Journal of Applied Physics, 2018, 57, 04FB01.	1.5	79
3	Fully coupled 3-D device simulation of negative capacitance FinFETs for sub 10 nm integration. , 2016, , .		77
4	Experimental Demonstration of Ultrashort-Channel (3 nm) Junctionless FETs Utilizing Atomically Sharp V-Grooves on SOI. IEEE Nanotechnology Magazine, 2014, 13, 208-215.	2.0	59
5	Study of tunneling transport in Si-based tunnel field-effect transistors with ON current enhancement utilizing isoelectronic trap. Applied Physics Letters, 2015, 106, .	3.3	54
6	Performance Enhancement of Tunnel Field-Effect Transistors by Synthetic Electric Field Effect. IEEE Electron Device Letters, 2014, 35, 792-794.	3.9	53
7	Comprehensive Study of V <inf>FB</inf> Shift in High-k CMOS - Dipole Formation, Fermi-level Pinning and Oxygen Vacancy Effect. , 2007, , .		39
8	Phase transformation behavior of ultrathin Hf _{0.5} Zr _{0.5} O ₂ films investigated through wide range annealing experiments. Japanese Journal of Applied Physics, 2019, 58, SBBA07.	1.5	38
9	Self-limiting process for the bismuth content in molecular beam epitaxial growth of Bi2Sr2CuOy thin films. Applied Physics Letters, 1997, 71, 3712-3714.	3.3	36
10	Unexpected equivalent-oxide-thickness dependence of the subthreshold swing in tunnel field-effect transistors. Applied Physics Express, 2014, 7, 024201.	2.4	35
11	Impacts of plasma-induced damage due to UV light irradiation during etching on Ge fin fabrication and device performance of Ge fin field-effect transistors. Applied Physics Express, 2017, 10, 026501.	2.4	33
12	0.6nm-EOT high-k gate stacks with HfSiOx interfacial layer grown by solid-phase reaction between HfO2 and Si substrate. Microelectronic Engineering, 2007, 84, 1861-1864.	2.4	30
13	Operation of inverter and ring oscillator of ultrathin-body poly-Ge CMOS. Applied Physics Express, 2014, 7, 121302.	2.4	29
14	Decomposition of On-Current Variability of nMOS FinFETs for Prediction Beyond 20 nm. IEEE Transactions on Electron Devices, 2012, 59, 2003-2010.	3.0	27
15	Formation of phase intergrowth in the syntheses of Bi-superconducting thin films. Applied Physics Letters, 1997, 70, 1471-1473.	3.3	25
16	A compact model for tunnel field-effect transistors incorporating nonlocal band-to-band tunneling. Journal of Applied Physics, 2013, 114, 144512.	2.5	25
17	Gate-First High-Performance Germanium nMOSFET and pMOSFET Using Low Thermal Budget Ion Implantation After Germanidation Technique. IEEE Electron Device Letters, 2016, 37, 253-256.	3.9	25
18	Epitaxial Bi4Ti3O12 thin film growth using Bi self-limiting function. Journal of Crystal Growth, 1999, 200, 161-168.	1.5	24

#	Article	IF	CITATIONS
19	Dielectric Breakdown in High-K Gate Dielectrics - Mechanism and Lifetime Assessment. , 2007, , .		23
20	Intrinsic Origin of Electron Mobility Reduction in High-k MOSFETs - From Remote Phonon to Bottom Interface Dipole Scattering. , 2007, , .		22
21	Suppressing V <inf>t</inf> and G <inf>m</inf> variability of FinFETs using amorphous metal gates for 14 nm and beyond. , 2012, , .		22
22	Band-to-band tunneling current enhancement utilizing isoelectronic trap and its application to TFETs. , 2014, , .		22
23	Symmetrical threshold voltage in complementary metal-oxide-semiconductor field-effect transistors with HfAlOx(N) achieved by adjusting Hfâ^•Al compositional ratio. Journal of Applied Physics, 2006, 99, 054506.	2.5	21
24	Fabrication and Demonstration of 3-nm-Channel-Length Junctionless Field-Effect Transistors on Silicon-on-Insulator Substrates Using Anisotropic Wet Etching and Lateral Diffusion of Dopants. Japanese Journal of Applied Physics, 2013, 52, 04CA01.	1.5	21
25	Physical origins of mobility enhancement of Ge p-channel metal-insulator-semiconductor field effect transistors with Si passivation layers. Journal of Applied Physics, 2010, 108, 104511.	2.5	20
26	Material and device engineering in fully depleted silicon-on-insulator transistors to realize a steep subthreshold swing using negative capacitance. Japanese Journal of Applied Physics, 2016, 55, 08PD01.	1.5	20
27	Surface morphology for annealed and etched MgO(100). Journal of Low Temperature Physics, 1996, 105, 1343-1348.	1.4	19
28	A TCAD device simulator for exotic materials and its application to a negative-capacitance FET. Journal of Computational Electronics, 2019, 18, 534-542.	2.5	19
29	Advantages of HfAlON gate dielectric film for advanced low power CMOS application. Microelectronic Engineering, 2005, 80, 190-197.	2.4	18
30	Achievement of Higher-k and High-Φ in Phase Controlled HfO2 Film Using Post Gate Electrode Deposition Annealing. ECS Transactions, 2007, 11, 35-45.	0.5	18
31	Nature of interface traps in Ge metal-insulator-semiconductor structures with GeO2 interfacial layers. Journal of Applied Physics, 2011, 109, .	2.5	18
32	Perspective of negative capacitance FinFETs investigated by transient TCAD simulation. , 2017, , .		17
33	What is the Essence of VFB Shifts in High-k Gate Stack?. ECS Transactions, 2007, 11, 543-555.	0.5	16
34	Effect of Al-diffusion-induced positive flatband voltage shift on the electrical characteristics of Al-incorporated high-k metal-oxide-semiconductor field-effective transistor. Journal of Applied Physics, 2009, 105, 064108.	2.5	16
35	Impact of Surface Hydrophilicization prior to Atomic Layer Deposition for HfO ₂ /Si Direct-Contact Gate Stacks. Applied Physics Express, 2009, 2, 011201.	2.4	16
36	Tunnel Field-Effect Transistor with Epitaxially Grown Tunnel Junction Fabricated by Source/Drain-First and Tunnel-Junction-Last Processes. Japanese Journal of Applied Physics, 2013, 52, 04CC25.	1.5	16

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37	Fringing field effects in negative capacitance field-effect transistors with a ferroelectric gate insulator. Japanese Journal of Applied Physics, 2018, 57, 04FD07.	1.5	16
38	Superstructure observation on a MgO(100) surface. Surface Science, 1996, 357-358, 150-154.	1.9	15
39	Partial silicides technology for tunable work function electrodes on high-k gate dielectrics - fermi level pinning controlled PtS/sub X/, for HfO/sub X/(N) pMOSFET. , 0, , .		15
40	Suppression of threshold voltage variability of double-gate fin field-effect transistors using amorphous metal gate with uniform work function. Applied Physics Letters, 2013, 102, .	3.3	15
41	Design guidelines to achieve minimum energy operation for ultra low voltage tunneling FET logic circuits. Japanese Journal of Applied Physics, 2015, 54, 04DC04.	1.5	15
42	Introduction of SiGe/Si heterojunction into novel multilayer tunnel FinFET. Japanese Journal of Applied Physics, 2016, 55, 04EB06.	1.5	15
43	Tunnel FinFET CMOS inverter with very low short-circuit current for ultralow-power Internet of Things application. Japanese Journal of Applied Physics, 2017, 56, 04CD19.	1.5	15
44	First Experimental Observation of Channel Thickness Scaling Induced Electron Mobility Enhancement in UTB-GeOI nMOSFETs. IEEE Transactions on Electron Devices, 2017, 64, 4615-4621.	3.0	15
45	Accelerated ferroelectric phase transformation in HfO ₂ /ZrO ₂ nanolaminates. Applied Physics Express, 2021, 14, 051006.	2.4	15
46	Particle-free superconducting Bi2Sr2CaCu2Ox ultrathin films prepared by atomic-layer-controlled molecular beam epitaxy technique. Physica C: Superconductivity and Its Applications, 1999, 311, 42-48.	1.2	14
47	Memory properties of a ferroelectric gate field-effect transistor with an adjoining metal–ferroelectric–metal assistance cell. Journal of Applied Physics, 2003, 94, 2559-2562.	2.5	14
48	Changes in effective work function of HfxRu1â^'x alloy gate electrode. Microelectronic Engineering, 2008, 85, 1524-1528.	2.4	14
49	Accurate evaluation of Ge metal—insulator—semiconductor interface properties. Journal of Applied Physics, 2011, 110, .	2.5	14
50	Fabrication of Direct-Contact Higher-k HfO ₂ Gate Stacks by Oxygen-Controlled Cap Post-Deposition Annealing. Japanese Journal of Applied Physics, 2011, 50, 10PG01.	1.5	14
51	Wake-up-free properties and high fatigue resistance of Hf <i>x</i> Zr1â^' <i>x</i> O2-based metal–ferroelectric–semiconductor using top ZrO2 nucleation layer at low thermal budget (300 °C). APL Materials, 2022, 10, .	5.1	14
52	All-perovskite-oxide ferroelectric memory transistor composed of Bi2Sr2CuOx and PbZr0.5Ti0.5O3 films. Journal of Applied Physics, 2001, 89, 8153-8158.	2.5	13
53	V <inf>FB</inf> Roll-off in HfO <inf>2</inf> Gate Stack after High Temperature Annealing Process - A Crucial Role of Out-diffused Oxygen from HfO <inf>2</inf> to Si. , 2007, , .		13
54	Tunnel Field-Effect Transistors with Extremely Low Off-Current Using Shadowing Effect in Drain Implantation. Japanese Journal of Applied Physics, 2011, 50, 06GF14.	1.5	13

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55	Pulsed laser deposition and ferroelectric properties of SrBi2Ta2O9 thin films. Materials Letters, 1999, 38, 406-412.	2.6	12
56	Influence of work function variation of metal gates on fluctuation of sub-threshold drain current for fin field-effect transistors with undoped channels. Japanese Journal of Applied Physics, 2014, 53, 04EC11.	1.5	12
57	Two-step annealing effects on ultrathin EOT higher-k (k=40) ALD-HfO2 gate stacks. Solid-State Electronics, 2013, 84, 58-64.	1.4	11
58	Achieving low parasitic resistance in Ge p-channel metal–oxide–semiconductor field-effect transistors by ion implantation after germanidation. Applied Physics Express, 2015, 8, 054201.	2.4	11
59	The influence of Bi-sticking coefficient in the growth of Bi(2212) thin film by ion beam sputtering. Thin Solid Films, 1996, 281-282, 510-512.	1.8	10
60	Fabrication and critical currents of thin-film-type Bi2Sr2CaCu2Ox intrinsic Josephson junctions. Physica C: Superconductivity and Its Applications, 2001, 362, 256-260.	1.2	10
61	Weak Temperature Dependence of Non-Coulomb Scattering Component of HfAlOx-Limited Inversion Layer Mobility in n+-Polysilicon/HfAlOx/SiO2N-Channel Metal–Oxide–Semiconductor Field-Effect Transistors. Japanese Journal of Applied Physics, 2005, 44, 7750-7755.	1.5	10
62	Roles of nitrogen incorporation in HfAlO[sub x](N) gate dielectrics for suppression of boron penetration. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2128.	1.6	9
63	Carrier separation analysis for clarifying carrier conduction and degradation mechanisms in high-k stack gate dielectrics. Microelectronics Reliability, 2005, 45, 1041-1050.	1.7	9
64	Correlation between scanning-probe-induced spots and fixed positive charges in thin HfO2 films. Applied Physics Letters, 2005, 86, 112906.	3.3	9
65	Mechanism of Gradual Increase of Gate Current in High-K Gate Dielectrics and Its Application to Reliability Assessment. , 2006, , .		9
66	Predictivity of the non-local BTBT model for structure dependencies of tunnel FETs. , 2014, , .		9
67	Effect of hot implantation on ON-current enhancement utilizing isoelectronic trap in Si-based tunnel field-effect transistors. Applied Physics Express, 2015, 8, 036503.	2.4	9
68	Structural advantages of silicon-on-insulator FETs over FinFETs in steep subthreshold-swing operation in ferroelectric-gate FETs. Japanese Journal of Applied Physics, 2017, 56, 04CD10.	1.5	9
69	Gate-First Processed FUSI/HfO <inf>2</inf> /HfSiO <inf>x</inf> /Si MOSFETs with EOT=0.5 nm - Interfacial Layer Formation by Cycle-by-Cycle Deposition and Annealing. , 2007, , .		8
70	Materials Science-based Device Performance Engineering for Metal Gate High-k CMOS. , 2007, , .		8
71	Impact of reduced pressure crystallization on ferroelectric properties in hafnium-zirconium dioxide films deposited by sputtering. Japanese Journal of Applied Physics, 2021, 60, SFFB05.	1.5	8
72	Effect of the interfacial SiO2 layer thickness on the dominant carrier type in leakage currents through HfAlOxâ•SiO2 gate dielectric films. Applied Physics Letters, 2004, 85, 6227-6229.	3.3	7

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73	Structural Metastability and Size Scalability of Phase-Controlled HfO2 Formed through Cap-PDA. ECS Transactions, 2009, 19, 563-575.	0.5	7
74	Observation of Work Functions, Metallicity, Band Bending, Interfacial Dipoles by EUPS for Characterizing High-kâ^•Metal Interfaces. AIP Conference Proceedings, 2011, , .	0.4	7
75	Tunnel Field-Effect Transistors with Extremely Low Off-Current Using Shadowing Effect in Drain Implantation. Japanese Journal of Applied Physics, 2011, 50, 06GF14.	1.5	7
76	Performance evaluation of parallel electric field tunnel field-effect transistor by a distributed-element circuit model. Solid-State Electronics, 2014, 102, 82-86.	1.4	7
77	Impact of granular work function variation in a gate electrode on low-frequency noise for fin field-effect transistors. Applied Physics Express, 2015, 8, 044201.	2.4	7
78	Extremely Scaled (â^¼0.2 nm) Equivalent Oxide Thickness of Higher-k(k= 40) HfO2Gate Stacks Prepared by Atomic Layer Deposition and Oxygen-Controlled Cap Post-Deposition Annealing. Japanese Journal of Applied Physics, 2012, 51, 02BA04.	1.5	7
79	Comparison between Bi-superconductor thin films fabricated via co-deposition and layer-by-layer deposition by ion beam sputtering method. Thin Solid Films, 1996, 281-282, 517-520.	1.8	6
80	Thermodynamics for formation of each stable single phase in BSCCO thin films. Journal of Low Temperature Physics, 1996, 105, 1283-1288.	1.4	6
81	Epitaxial Growth of Bi4Ti3O12/CeO2/Ce0.12Zr0.88O2and Bi4Ti3O12/SrTiO3/Ce0.12Zr0.88O2Thin Films on Si and Its Application to Metal-Ferroelectric-Insulator-Semiconductor Diodes. Japanese Journal of Applied Physics, 2000, 39, 5505-5511.	1.5	6
82	Study on Oxynitride Buffer Layers in HfO2Metal–Insulator–Semiconductor Structures for Improving Metal–Insulator–Semiconductor Field-Effect Transistor Performance. Japanese Journal of Applied Physics, 2005, 44, 1698-1703.	1.5	6
83	Degradation mechanism of HfAlOXâ^•SiO2 stacked gate dielectrics studied by transient and steady-state leakage current analysis. Journal of Applied Physics, 2005, 97, 074505.	2.5	6
84	AFM measurement of atomic-scale Si surface etching by active oxidation. Surface Science, 2010, 604, 1432-1437.	1.9	6
85	Improvement of epitaxial channel quality on heavily arsenic- and boron-doped Si surfaces and impact on performance of tunnel field-effect transistors. Solid-State Electronics, 2015, 113, 173-178.	1.4	6
86	Thickness-independent behavior of coercive field in HfO <inf>2</inf> -based ferroelectrics. , 2017, , .		6
87	Design points of ferroelectric field-effect transistors for memory and logic applications as investigated by metal-ferroelectric-metal–insulator–semiconductor gate stack structures using Hf _{0.5} Zr _{0.5} O ₂ films. Japanese Journal of Applied Physics, 2019, 58, SLLB06.	1.5	6
88	Thermal stability of ferroelectricity in hafnium–zirconium dioxide films deposited by sputtering and chemical solution deposition for oxide-channel ferroelectric-gate transistor applications. Applied Physics Express, 2021, 14, 041006.	2.4	6
89	Investigation of the wake-up process and time-dependent imprint of Hf0.5Zr0.5O2 film through the direct piezoelectric response. Applied Physics Letters, 2021, 119, .	3.3	6
90	Epitaxial structure SrBi2Ta2O9<116> /SrTiO3<011> /Ce0.12Zr0.88O2<001> /Si<001> for ferroelectric-gate FET memory. Integrated Ferroelectrics, 2001, 40, 135-143.	0.7	5

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91	Low-Threshold-Voltage HfOxN p-Channel Metal–Oxide–Semiconductor Field-Effect Transistors with Partially Silicided Platinum Gate Electrode. Japanese Journal of Applied Physics, 2006, 45, 6225-6230.	1.5	5
92	Reliability Perspective of High-k Gate Stack Assessed by Temperature Dependence of Dielectric Breakdown. , 2007, , .		5
93	Comparative Study of Charge Trapping Type SOI-FinFET Flash Memories with Different Blocking Layer Materials. Journal of Low Power Electronics and Applications, 2014, 4, 153-167.	2.0	5
94	Suppression of tunneling rate fluctuations in tunnel field-effect transistors by enhancing tunneling probability. Japanese Journal of Applied Physics, 2017, 56, 04CD02.	1.5	5
95	Fabrication of Direct-Contact Higher- <i>k</i> HfO ₂ Gate Stacks by Oxygen-Controlled Cap Post-Deposition Annealing. Japanese Journal of Applied Physics, 2011, 50, 10PG01.	1.5	5
96	Roles of high-k and interfacial layers on TDDB reliability studied with HfAlO <inf>X</inf> /SiO <inf>2</inf> stacked gate dielectrics. , 2008, , .		4
97	Extremely Scaled (\${sim}0.2\$ nm) Equivalent Oxide Thickness of Higher-\$k\$ (\$k = 40\$) HfO\$_{2}\$ Gate Stacks Prepared by Atomic Layer Deposition and Oxygen-Controlled Cap Post-Deposition Annealing. Japanese Journal of Applied Physics, 2012, 51, 02BA04.	1.5	4
98	Simultaneous flattening of Si(110), (111), and (001) surfaces for three-dimensional Si nanowires. Applied Physics Letters, 2012, 100, 261605.	3.3	4
99	Scaling breakthrough for analog/digital circuits by suppressing variability and low-frequency noise for FinFETs by amorphous metal gate technology. , 2014, , .		4
100	Importance of interface engineering for synthesis of SrHfO ₃ perovskite thin films on Si substrates through crystallization of amorphous films and control of flat-band voltages of metal–oxide–semiconductor capacitors. Japanese Journal of Applied Physics, 2014, 53, 04EA03.	1.5	4
101	(Invited) Charge Trapping Type SOI-FinFET Flash Memory. ECS Transactions, 2014, 61, 263-280.	0.5	4
102	Heated ion implantation for high-performance and highly reliable silicon-on-insulator complementary metal–oxide–silicon fin field-effect transistors. Japanese Journal of Applied Physics, 2015, 54, 04DA06.	1.5	4
103	Interlayer coupling effect on the performance of monolithic three-dimensional inverters and its dependence on the interlayer dielectric thickness. Japanese Journal of Applied Physics, 2017, 56, 04CC02.	1.5	4
104	Model for dielectric breakdown mechanism of HfAlO/sub X//SiO/sub 2/ stacked gate dielectrics dominated by the generated subordinate carrier injection. , 0, , .		3
105	Effect of Ge Metal–Insulator–Semiconductor Interfacial Layers on Interface Trap Density near the Conduction Band Edge. Japanese Journal of Applied Physics, 2010, 49, 04DA09.	1.5	3
106	(Invited) Epitaxial HfO ₂ Thin Films on Si Substrates: Strategy for Sub-1 nm EOT Technology. ECS Transactions, 2011, 41, 135-144.	0.5	3
107	Impact of fin length on threshold voltage modulation by back bias for Independent double-gate tunnel fin field-effect transistors. Solid-State Electronics, 2015, 111, 62-66.	1.4	3
108	Simulation study of short-channel effects of tunnel field-effect transistors. Japanese Journal of Applied Physics, 2018, 57, 04FD04.	1.5	3

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109	Device Simulation of Negative-Capacitance Field-Effect Transistors With a Ferroelectric Gate Insulator. , 2018, , .		3
110	Charge and vortex Kosterlitz–Thouless transitions in Bi-superconducting mixed crystal thin films. Physica C: Superconductivity and Its Applications, 1999, 317-318, 661-665.	1.2	2
111	Carrier separation analysis for clarifying leakage mechanism in unstressed and stressed HfAlO/sub x//SiO/sub 2/ stack dielectric layers. , 0, , .		2
112	Design of High-k Interfacial Layer Formation by Cycle-by-Cycle Deposition and Annealing Method. ECS Transactions, 2009, 19, 129-143.	0.5	2
113	Experimental study of three-dimensional fin-channel charge trapping flash memories with titanium nitride and polycrystalline silicon gates. Japanese Journal of Applied Physics, 2014, 53, 04ED16.	1.5	2
114	Steep subthreshold swing and energy efficiency in MOSFFETs utilizing nonlinear gate dielectric insulators. Japanese Journal of Applied Physics, 2016, 55, 04ED02.	1.5	2
115	On the drain bias dependence of long-channel silicon-on-insulator-based tunnel field-effect transistors. Japanese Journal of Applied Physics, 2017, 56, 04CD04.	1.5	2
116	Bias temperature instability in tunnel field-effect transistors. Japanese Journal of Applied Physics, 2017, 56, 04CA04.	1.5	2
117	Design of steep-slope negative-capacitance FinFETs for dense integration: Importance of appropriate ferroelectric capacitance and short-channel effects. Japanese Journal of Applied Physics, 2018, 57, 04FD03.	1.5	2
118	Channel shape and interpoly dielectric material effects on electrical characteristics of floating-gate-type three-dimensional fin channel flash memories. Japanese Journal of Applied Physics, 2015, 54, 04DD04.	1.5	2
119	Enhancement of ferroelectricity in sputtered HZO thin films by catalytically generated atomic hydrogen treatment. Japanese Journal of Applied Physics, 2022, 61, SH1004.	1.5	2
120	Fabrication and Electrical Characteristics of a Trench-Type Metal-Ferroelectric-Metal-Insulator-Semiconductor Field Effect Transistor. Japanese Journal of Applied Physics, 2001, 40, 5605-5609.	1.5	1
121	Metal carbide-induced negative flatband voltage shift in TaCx and HfCx/HfO2 gate stacks. Applied Surface Science, 2008, 254, 6123-6126.	6.1	1
122	TDDB and BTI reliabilities of high-k stacked gate dielectrics - Impact of initial traps in high-k layer , 2008, , .		1
123	Exact control of junction position using epitaxial NiSi2 crystallization in ultrathin silicon-on-insulator metal-oxide-semiconductor field-effect transistors. AIP Advances, 2012, 2, .	1.3	1
124	Variability of short channel junctionless field-effect transistors caused by fluctuation of dopant concentration. , 2013, , .		1
125	Study of gate leakage current paths in p-channel tunnel field-effect transistor by current separation measurement and device simulation. Japanese Journal of Applied Physics, 2015, 54, 034202.	1.5	1
126	Design and simulation of steep-slope silicon-on-insulator FETs using negative capacitance: Impact of buried oxide thickness and remnant polarization. , 2016, , .		1

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127	(Invited) Floating Gate Type SOI-FinFET Flash Memories with Different Channel Shapes and Interpoly Dielectric Materials. ECS Transactions, 2016, 72, 11-24.	0.5	1
128	Device simulation of negative-capacitance field-effect transistors with a uniaxial ferroelectric gate insulator. Nonlinear Theory and Its Applications IEICE, 2020, 11, 145-156.	0.6	1
129	Sheet resistance in BSCCO thin films with phase intergrowth. European Physical Journal D, 1996, 46, 1375-1376.	0.4	0
130	Molecular beam epitaxial growth of BSCCO and Bi-based oxides: self-limiting growth of the Bi element. , 1998, , .		0
131	Fabrication and electrical properties of ferroelectric-gate FETS with epitaxial gate structures. Electronics and Communications in Japan, 2004, 87, 24-33.	0.2	0
132	Separation of fast and slow NBTI components under long-term stress in pMISFETs with ultra-thin high-k and SiON dielectrics. , 2008, , .		0
133	Application of Advanced Atomic Layer Deposition for Understanding and Control of VTH and EOT in Metal/High-k Gate Stacks. ECS Transactions, 2009, 16, 69-75.	0.5	0
134	Inversion Layer Mobility in High-k Dielectric MOSFETs - Intrinsic Mobility Degradation by Electric Dipoles at High-k/SiO2 Interface. ECS Transactions, 2009, 16, 67-75.	0.5	0
135	Two-step annealing effects on ultrathin EOT higher-k (k = 40) ALD-HfO <inf>2</inf> gate stacks. , 2012, , .		0
136	Experimental Comparisons between Tetrakis(dimethylamino)titanium Precursor-Based Atomic-Layer-Deposited and Physical-Vapor-Deposited Titanium–Nitride Gate for High-Performance Fin-Type Metal–Oxide–Semiconductor Field-Effect Transistors. Japanese Journal of Applied Physics, 2012, 51, 04DA05.	1.5	0
137	Extremely Scaled Equivalent Oxide Thickness of High-k (k=40) HfO2 Gate Stacks Prepared by Atomic Layer Deposition and Ti Cap Anneal. Hyomen Kagaku, 2012, 33, 610-615.	0.0	Ο
138	(Invited) Extremely Short Channel Si-MOSFETs Prepared on SOI Substrates Using Anisotropic Wet Etching. ECS Transactions, 2013, 58, 273-280.	0.5	0
139	Experimental study of charge trapping type FinFET flash memory. , 2014, , .		0
140	Fabrication of High-k Gate Insulator Films by Atomic Layer Deposition and Their Properties Influenced by Substrate Hydrophilicity. Journal of the Vacuum Society of Japan, 2011, 54, 105-109.	0.3	0