

Akihiko Ohi

List of Publications by Year in descending order

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23
papers

440
citations

932766

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23
docs citations

23
times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface characteristics of $\text{In}^2\text{-Ga}_2\text{O}_3/\text{Al}_2\text{O}_3/\text{Pt}$ capacitors after postmetallization annealing. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	0.9	7
2	Influence of HfO_2 and SiO_2 interfacial layers on the characteristics of $\text{n-GaN}/\text{HfSiO}_x$ capacitors using plasma-enhanced atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021, 39, .	0.9	2
3	Nanoantenna Structure with Mid-Infrared Plasmonic Niobium-Doped Titanium Oxide. <i>Micromachines</i> , 2020, 11, 23.	1.4	5
4	Correlation between SiO_2 growth rate and difference in electronegativity of metal-oxide underlayers for plasma enhanced atomic layer deposition using tris(dimethylamino)silane precursor. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	6
5	A MEMS-Based Quad-Wavelength Hybrid Plasmonic Pyroelectric Infrared Detector. <i>Micromachines</i> , 2019, 10, 413.	1.4	16
6	MEMS-Based Wavelength-Selective Bolometers. <i>Micromachines</i> , 2019, 10, 416.	1.4	19
7	Change of characteristics of n-GaN MOS capacitors with Hf-rich HfSiO_x gate dielectrics by post-deposition annealing. <i>Microelectronic Engineering</i> , 2019, 216, 111036.	1.1	9
8	An On-Chip Quad-Wavelength Pyroelectric Sensor for Spectroscopic Infrared Sensing. <i>Advanced Science</i> , 2019, 6, 1900579.	5.6	31
9	Investigation of $\text{Al}_2\text{O}_3/\text{GaN}$ interface properties by sub-bandgap photo-assisted capacitance-voltage technique. <i>AIP Advances</i> , 2019, 9, .	0.6	17
10	Hafnium silicate gate dielectrics in GaN metal oxide semiconductor capacitors. <i>Applied Physics Express</i> , 2019, 12, 011009.	1.1	28
11	Improved leakage current properties of $\text{ZrO}_2/(\text{Ta}/\text{Nb})\text{O}_x\text{-Al}_2\text{O}_3/\text{ZrO}_2$ nanolaminate insulating stacks for dynamic random access memory capacitors. <i>Thin Solid Films</i> , 2018, 655, 48-53.	0.8	16
12	Effect of carbon doping on threshold voltage and mobility of In-Si-O thin-film transistors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, 061206.	0.6	5
13	Organic p-n -type thermoelectric module supported by photolithographic mold: a working hypothesis of sticky thermoelectric materials. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 517-525.	2.8	27
14	Electron microscopy and ultraviolet photoemission spectroscopy studies of native oxides on $\text{GaN}(0001)$. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 098003.	0.8	8
15	Influence of Oxidant Gas of Atomic Layer Deposition on Electrical Characteristics of $\text{Al}_2\text{O}_3/\text{GaN}/\text{Al}_2\text{O}_3$ films. <i>Vacuum and Surface Science</i> , 2018, 61, 280-285.	0.0	5
16	Improvement of smooth surface of RuO_2 bottom electrode on Al_2O_3 buffer layer and characteristics of $\text{RuO}_2/\text{TiO}_2/\text{Al}_2\text{O}_3/\text{TiO}_2/\text{RuO}_2$ capacitors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	0.9	8
17	Low-energy ion scattering spectroscopy and reflection high-energy electron diffraction of native oxides on $\text{GaN}(0001)$. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 128004.	0.8	16
18	Nanostructures Control the Hepatocellular Responses to a Cytotoxic Agent – Cisplatin. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	7

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19	Infrared Perfect Absorbers Fabricated by Colloidal Mask Etching of Al ₂ O ₃ Al Trilayers. ACS Photonics, 2015, 2, 964-970.	3.2	172
20	Aluminum infrared plasmonic perfect absorbers fabricated by colloidal lithography. , 2015, , .		1
21	Role of the (Ta/Nb)Ox/Al ₂ O ₃ interface on the flatband voltage shift for Al ₂ O ₃ /(Ta/Nb)Ox/Al ₂ O ₃ multilayer charge trap capacitors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	10
22	The Effect of Physical and Chemical Cues on Hepatocellular Function and Morphology. International Journal of Molecular Sciences, 2014, 15, 4299-4317.	1.8	7
23	Electrical properties of anatase TiO ₂ films by atomic layer deposition and low annealing temperature. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	0.6	18