

Riena Jinno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2477467/publications.pdf>

Version: 2024-02-01

19
papers

508
citations

758635

12
h-index

996533

15
g-index

19
all docs

19
docs citations

19
times ranked

425
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction in edge dislocation density in corundum-structured $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ layers on sapphire substrates with quasi-graded $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ buffer layers. Applied Physics Express, 2016, 9, 071101.	1.1	76
2	Crystal orientation dictated epitaxy of ultrawide-bandgap 5.4- to 8.6-eV $\text{In}_{1-x}(\text{AlGa})_x\text{O}_3$ on m-plane sapphire. Science Advances, 2021, 7, .	4.7	71
3	Evaluation of band alignment of $\text{In}_{1-x}\text{Ga}_x\text{O}_3/\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ by X-ray photoelectron spectroscopy. Japanese Journal of Applied Physics, 2018, 57, 040314.	0.7	41
4	Control of Crystal Structure of Ga_2O_3 on Sapphire Substrate by Introduction of $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ Buffer Layer. Physica Status Solidi (B): Basic Research, 2018, 255, 1700326.	0.7	41
5	2.44 kV Ga $\text{In}_{1-x}\text{Ga}_x\text{O}_3$; vertical trench Schottky barrier diodes with very low reverse leakage current. , 2018, , .		39
6	1.6 kV Vertical Ga $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ FinFETs With Source-Connected Field Plates and Normally-off Operation. , 2019, , .		31
7	Prospects for phase engineering of semi-stable Ga_2O_3 semiconductor thin films using mist chemical vapor deposition. Journal of Applied Physics, 2022, 131, .	1.1	31
8	Thermal stability of epitaxial $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ and $(\text{Al},\text{Ga})_2\text{O}_3$ layers on m-plane sapphire. Applied Physics Letters, 2021, 119, .	1.5	30
9	Enhancement of epitaxial lateral overgrowth in the mist chemical vapor deposition of $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ by using a-plane sapphire substrate. Japanese Journal of Applied Physics, 2019, 58, 120912.	0.8	28
10	Growth of rocksalt-structured $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ ($x \geq 0.5$) films on MgO substrates and their deep-ultraviolet luminescence. Applied Physics Express, 2016, 9, 111102.	1.1	26
11	Thermal stability of $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ films grown on c-plane sapphire substrates via mist-CVD. AIP Advances, 2020, 10, .	0.6	26
12	Anisotropic dielectric functions, band-to-band transitions, and critical points in $\text{In}_{1-x}\text{Ga}_x\text{O}_3$. Applied Physics Letters, 2021, 118, .	1.5	19
13	High-frequency and below bandgap anisotropic dielectric constants in $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ ($x \geq 0.1$). Applied Physics Letters, 2021, 119, .	1.5	14
14	Thermal stability of $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ films grown on c-plane sapphire substrates with an Al composition up to 90%. Japanese Journal of Applied Physics, 2021, 60, SBBD13.	0.8	13
15	Acoustic phonon dispersion and Brillouin zone center phonons of $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ compared to In_2O_3 . Physical Review Materials, 2021, 1, 014401.	0.9	10
16	Infrared-active phonon modes and static dielectric constants in $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3$ (0.18 $\leq x \leq 0.54$) alloys. Applied Physics Letters, 2022, 120, .	1.5	4
17	Optical and electrical properties of silicon-implanted $\text{In}_{1-x}\text{Al}_x\text{O}_3$. Japanese Journal of Applied Physics, 2021, 60, 106502.	0.8	2
18	Characterization of band offset in $\text{In}_{1-x}(\text{Al},\text{Ga})_x\text{O}_3/\text{In}_2\text{O}_3$ heterostructures. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Fabrication of In_2O_3 thin films using properties. , 2016, , .		0