Daisuke Tomida

List of Publications by Year
in descending order

11	178	1163117 8	1372567 10
papers	citations	h-index	g-index

11	11	11	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ammonothermal Crystal Growth of GaN Using an NH₄F Mineralizer. Crystal Growth and Design, 2013, 13, 4158-4161.	3.0	52
2	Solubility of GaN in supercritical ammonia with ammonium chloride as a mineralizer. Journal of Crystal Growth, 2010, 312, 3161-3164.	1.5	29
3	Effect of halogen species of acidic mineralizer on solubility of GaN in supercritical ammonia. Journal of Crystal Growth, 2011, 325, 52-54.	1.5	20
4	Ammonothermal growth of GaN on a self-nucleated GaN seed crystal. Journal of Crystal Growth, 2014, 404, 168-171.	1.5	20
5	Ammonothermal growth of 2 inch long GaN single crystals using an acidic NH₄F mineralizer in a Ag-lined autoclave. Applied Physics Express, 2020, 13, 055505.	2.4	19
6	Numerical Simulation of Ammonothermal Crystal Growth of GaNâ€"Current State, Challenges, and Prospects. Crystals, 2021, 11, 356.	2.2	16
7	Effects of extra metals added in an autoclave during acidic ammonothermal growth of m-plane GaN single crystals using an NH₄F mineralizer. Applied Physics Express, 2018, 11, 091002.	2.4	10
8	Boundary Conditions for Simulations of Fluid Flow and Temperature Field during Ammonothermal Crystal Growthâ€"A Machine-Learning Assisted Study of Autoclave Wall Temperature Distribution. Crystals, 2021, 11, 254.	2.2	8
9	Temperature dependent control of the solubility of gallium nitride in supercritical ammonia using mixed mineralizer. Chemistry Central Journal, 2018, 12, 127.	2.6	3
10	Thermal Conductivity Measurements of Liquid Ammonia by the Transient Short-Hot-Wire Method. International Journal of Thermophysics, 2020, 41, 1.	2.1	1
11	Innovative Techniques for Fast Growth and Fabrication of High Purity GaN Single Crystals. Springer Series in Materials Science, 2021, , 65-76.	0.6	0