

Shiji Fan

List of Publications by Year in descending order

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17
papers

197
citations

1307594

7
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Variations of composition and dielectric properties of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystal along growth direction. <i>Journal of Applied Physics</i> , 2013, 113, 124105.	2.5	32
2	Enhanced dielectric and piezoelectric properties in the [001]-poled $0.25\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.43\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.32\text{PbTiO}_3$ single crystal near morphotropic phase boundary by alternating current treatment. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	31
3	Growth of the Relaxor Based Ferroelectric Single Crystals $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ by Vertical Bridgman Technique. <i>Ferroelectrics</i> , 2010, 401, 173-180.	0.6	26
4	Composition and electrical properties characterization of a 5 μm -diameter PIN-PMN-PT single crystal by the modified Bridgman method. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156145.	5.5	24
5	High composition uniformity of 4 μm^3 of PIN-PMN-PT single crystals grown by the modified Bridgman method. <i>Journal of Crystal Growth</i> , 2017, 468, 331-334.	1.5	21
6	Compositional segregation and electrical properties characterization of [001]- and [011]-oriented co-growth $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystal. <i>Journal of Applied Physics</i> , 2018, 123, 154107.	2.5	19
7	GaN crystals growth in the Na-Li-Ca flux by liquid phase epitaxy (LPE) technique. <i>Journal of Crystal Growth</i> , 2019, 521, 30-33.	1.5	9
8	Growth of GaN Crystals by the Na Flux Method Under a Temperature Gradient. <i>Journal of Electronic Materials</i> , 2014, 43, 1219-1225.	2.2	7
9	Fabrication of GaN single crystals at 700 $^{\circ}\text{C}$ using Na-Li-Ca mixed flux system. <i>AIP Advances</i> , 2018, 8, .	1.3	6
10	Growth Temperature Dependence of Morphology of GaN Single Crystals in the Na-Li-Ca Flux Method. <i>Journal of Electronic Materials</i> , 2018, 47, 1569-1574.	2.2	6
11	Growth and electrical properties characterization of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-PbTiO}_3$ tetragonal single crystal by the modified flux-Bridgman method. <i>Journal of Crystal Growth</i> , 2017, 468, 382-386.	1.5	4
12	Effects of Growth Temperature on Morphology of GaN Crystals by Na Flux Liquid Phase Epitaxial Method. <i>Journal of Electronic Materials</i> , 2019, 48, 3570-3578.	2.2	3
13	Effects of Cooling Process on GaN Crystal Growth by Na Flux Method. <i>Journal of Electronic Materials</i> , 2020, 49, 5260-5265.	2.2	3
14	Temperature and DC Bias Dependences of Dielectric Behavior of Different Oriented $0.23\text{PIN}\text{-}0.52\text{PMN}\text{-}0.25\text{PT}$ Single Crystals. <i>Journal of Electronic Materials</i> , 2018, 47, 6282-6288.	2.2	2
15	Dislocation evolution along the growth direction of 2-inch GaN crystal grown by Na-flux LPE. <i>Materials Science in Semiconductor Processing</i> , 2021, 126, 105684.	4.0	2
16	Thermal expansion characteristics of [001]-oriented PIN-PMN-PT single crystal. , 2015, , .		1
17	Temperature and DC bias dependence of the phase transition behavior of [011]- and [001]-oriented $\text{PIN}\text{-PMN}\text{-PT}$ single crystals with MPB composition. <i>Journal of Materials Research</i> , 2018, 33, 4053-4061.	2.6	1