

Anna Hassa

List of Publications by Year in descending order

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18
papers

458
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687363

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docs citations

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times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Band Alignment of Al ₂ O ₃ on $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ . ECS Journal of Solid State Science and Technology, 2022, 11, 025006.	1.8	4
2	Structural and Elastic Properties of $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ Thin Films on (11.0) Al ₂ O ₃ Substrates for the Entire Composition Range. Physica Status Solidi (B): Basic Research, 2021, 258, 2000394.	1.5	18
3	Epitaxial Growth of $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ Layers and Superlattice Heterostructures up to $x=0.48$ on Highly Conductive Al-Doped ZnO Thin-Film Templates by Pulsed Laser Deposition. Physica Status Solidi (B): Basic Research, 2021, 258, 2000359.	1.5	7
4	Indium Gallium Oxide Alloys: Electronic Structure, Optical Gap, Surface Space Charge, and Chemical Trends within Common-Cation Semiconductors. ACS Applied Materials & Interfaces, 2021, 13, 2807-2819.	8.0	50
5	Progression of group-III sesquioxides: epitaxy, solubility and desorption. Journal Physics D: Applied Physics, 2021, 54, 223001.	2.8	17
6	Realization of highly rectifying Schottky barrier diodes and <i>pn</i> heterojunctions on $\hat{\Gamma}$ -Ga ₂ O ₃ by overcoming the conductivity anisotropy. Journal of Applied Physics, 2021, 130, .	2.5	24
7	Al Composition Dependence of Band Offsets for SiO ₂ on $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ . ECS Journal of Solid State Science and Technology, 2021, 10, 113007.	1.8	6
8	Solubility limit and material properties of a $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ thin film with a lateral cation gradient on (00.1)Al ₂ O ₃ by tin-assisted PLD. APL Materials, 2020, 8, 021103.	5.1	26
9	A Review of the Segmented-Target Approach to Combinatorial Material Synthesis by Pulsed-Laser Deposition. Physica Status Solidi (B): Basic Research, 2020, 257, 1900626.	1.5	26
10	Growth, structural and optical properties of coherent $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ / $\hat{\Gamma}$ -Ga ₂ O ₃ quantum well superlattice heterostructures. APL Materials, 2020, 8, .	5.1	24
11	Control of phase formation of (Al _x Ga _{1-x}) ₂ O ₃ thin films on c-plane Al ₂ O ₃ . Journal Physics D: Applied Physics, 2020, 53, 485105.	2.8	24
12	Investigating the ranges of (meta)stable phase formation in $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ thin films. Physical Review Materials, 2020, 4, .	2.4	12
13	Highly rectifying contacts on (In,Ga) ₂ O ₃ thin films grown by PLD. , 2019, , .		0
14	Influence of Oxygen Pressure on Growth of Si-Doped $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ Thin Films on (11.0) Al ₂ O ₃ Substrates by Pulsed Laser Deposition. ECS Journal of Solid State Science and Technology, 2019, 8, Q3217-Q3220.	1.8	18
15	Structural, optical, and electrical properties of orthorhombic $\hat{\Gamma}$ -(In _x Ga _{1-x}) ₂ O ₃ thin films. APL Materials, 2019, 7, .	5.1	34
16	Epitaxial stabilization of single phase $\hat{\Gamma}$ -(In _x Ga _{1-x}) ₂ O ₃ thin films up to $x=0.28$ on c-sapphire and $\hat{\Gamma}$ -Ga ₂ O ₃ (001) templates by tin-assisted VCCS-PLD. APL Materials, 2019, 7, .	5.1	38
17	Epitaxial $\hat{\Gamma}$ -(Al _x Ga _{1-x}) ₂ O ₃ thin films and heterostructures grown by tin-assisted VCCS-PLD. APL Materials, 2019, 7, .	5.1	30
18	Tin-assisted heteroepitaxial PLD-growth of $\hat{\Gamma}$ -Ga ₂ O ₃ thin films with high crystalline quality. APL Materials, 2019, 7, .	5.1	98