

# Anna Hassa

## List of Publications by Year in descending order

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18  
papers

458  
citations

687363

13  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tin-assisted heteroepitaxial PLD-growth of $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ thin films with high crystalline quality. APL Materials, 2019, 7, .	5.1	98
2	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
3	Epitaxial stabilization of single phase $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ thin films up to $x = 0.28$ on c-sapphire and $\text{In}_2\text{O}_3$ templates by tin-assisted VCCS-PLD. APL Materials, 2019, 7, .	5.1	38
4	Structural, optical, and electrical properties of orthorhombic $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ thin films. APL Materials, 2019, 7, .	5.1	34
5	Epitaxial $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ thin films and heterostructures grown by tin-assisted VCCS-PLD. APL Materials, 2019, 7, .	5.1	30
6	Solubility limit and material properties of a $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ thin film with a lateral cation gradient on $(00.1)\text{Al}_2\text{O}_3$ by tin-assisted PLD. APL Materials, 2020, 8, 021103.	5.1	26
7	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
8	Realization of highly rectifying Schottky barrier diodes and $\text{pn}$ heterojunctions on $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ by overcoming the conductivity anisotropy. Journal of Applied Physics, 2021, 130, .	2.5	24
9	Growth, structural and optical properties of coherent $\text{In}_{1-x}\text{Ga}_x\text{O}_3/\text{In}_2\text{O}_3$ quantum well superlattice heterostructures. APL Materials, 2020, 8, .	5.1	24
10	Control of phase formation of $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3$ thin films on c-plane $\text{Al}_2\text{O}_3$ . Journal Physics D: Applied Physics, 2020, 53, 485105.	2.8	24
11	Influence of Oxygen Pressure on Growth of Si-Doped $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ by Pulsed Laser Deposition. ECS Journal of Solid State Science and Technology, 2019, 8, Q3217-Q3220.	1.8	18
12	Structural and Elastic Properties of $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3$ Thin Films on $(11.0)\text{Al}_2\text{O}_3$ Substrates for the Entire Composition Range. Physica Status Solidi (B): Basic Research, 2021, 258, 2000394.	1.5	18
13	Progression of group-III sesquioxides: epitaxy, solubility and desorption. Journal Physics D: Applied Physics, 2021, 54, 223001.	2.8	17
14	Investigating the ranges of (meta)stable phase formation in $\text{In}_{1-x}\text{Ga}_x\text{O}_3$ . Physical Review Materials, 2020, 4, .	2.4	12
15	Epitaxial Growth of $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3$ 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
16	Al Composition Dependence of Band Offsets for $\text{SiO}_2$ on $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3$ . ECS Journal of Solid State Science and Technology, 2021, 10, 113007.	1.8	6
17	Band Alignment of $\text{Al}_2\text{O}_3$ on $(\text{Al}_x\text{Ga}_{1-x})_2\text{O}_3$ . ECS Journal of Solid State Science and Technology, 2022, 11, 025006.	1.8	4
18	Highly rectifying contacts on $(\text{In,Ga})_2\text{O}_3$ thin films grown by PLD. , 2019, , .		0