

Charlotte Wouters

List of Publications by Year in descending order

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12
papers

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#	ARTICLE	IF	CITATIONS
1	Substrate-orientation dependence of $\hat{\Gamma}^2$ -Ga ₂ O ₃ (100), (010), (001), and (2 $\hat{\Gamma}$ 01) homoepitaxy by indium-mediated metal-exchange catalyzed molecular beam epitaxy (MEXCAT-MBE). APL Materials, 2020, 8, .	5.1	80
2	Step-flow growth in homoepitaxy of $\hat{\Gamma}^2$ -Ga ₂ O ₃ (100)â€”The influence of the miscut direction and faceting. APL Materials, 2019, 7, .	5.1	73
3	Step flow growth of $\hat{\Gamma}^2$ -Ga ₂ O ₃ thin films on vicinal (100) $\hat{\Gamma}^2$ -Ga ₂ O ₃ substrates grown by MOVPE. Applied Physics Letters, 2020, 116, .	3.3	59
4	Faceting and metal-exchange catalysis in (010) $\hat{\Gamma}^2$ -Ga ₂ O ₃ thin films homoepitaxially grown by plasma-assisted molecular beam epitaxy. APL Materials, 2019, 7, .	5.1	53
5	Impact of chamber pressure and Si-doping on the surface morphology and electrical properties of homoepitaxial (100) $\hat{\Gamma}^2$ -Ga ₂ O ₃ thin films grown by MOVPE. Journal Physics D: Applied Physics, 2021, 54, 034003.	2.8	26
6	Control of phase formation of (Al x Ga) _{1-x} Al ₂ O ₃ thin films on c-plane Al ₂ O ₃ . Journal Physics D: Applied Physics, 2020, 53, 485105.	2.8	24
7	Indium incorporation in homoepitaxial $\hat{\Gamma}^2$ -Ga ₂ O ₃ thin films grown by metal organic vapor phase epitaxy. Journal of Applied Physics, 2019, 125, .	2.5	14
8	Investigating the ranges of (meta)stable phase formation in $\langle \text{O} \rangle$. Physical Review Materials, 2020, 4, .	2.4	12
9	Comment on "Phase transformation in MOCVD growth of (Al _x Ga _{1-x}) ₂ O ₃ thin films" [APL Mater. 8, 031104 (2020)]. APL Materials, 2020, 8, 089101.	5.1	5
10	Molecular beam epitaxy of single-crystalline bixbyite $\langle \text{O} \rangle$. Physical Review Materials, 2022, 6, .	2.4	5
11	Influence of 2s Bloch wave state excitations on quantitative HAADF STEM imaging. Physical Review B, 2019, 100, .	3.2	1
12	In situ Transmission Electron Microscopy Annealing for Crystallization and Phase Stability Studies in the Ga ₂ O ₃ -In ₂ O ₃ System. Microscopy and Microanalysis, 2019, 25, 1890-1891.	0.4	0