Alexandra Papadogianni

List of Publications by Year
in descending order

10 papers	280 citations	1478505 6 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	588 citing authors

#	Article	IF	Citations
1	The electrical conductivity of cubic (In_{1â^'x}Ga_x)₂O₃ films (x â‰ 0.18): native bulk point defects, Sn-doping, and the surface electron accumulation layer. Japanese Journal of Applied Physics, 2022, 61, 045502.	1.5	5
2	Molecular beam epitaxy of single-crystalline bixbyite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi) Tj ETQq mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn><. Physical Review Materials, 2022, 6, .	2.4	5
3	Bandgap widening and behavior of Raman-active phonon modes of cubic single-crystalline (In,Ga)2O3 alloy films. Applied Physics Letters, 2021, 119, .	3.3	3
4	The Itinerant 2D Electron Gas of the Indium Oxide (111) Surface: Implications for Carbonâ€•and Energyâ€Conversion Applications. Small, 2020, 16, e1903321.	10.0	17
5	Two-dimensional electron gas of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>In</mml:mi><mml:mn>2</mml:mn></mml:mn> mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> surface: Enhanced thermopower, electrical transport properties, and reduction by adsorbates or compensating acceptor doping. Physical Review B, 2020, 102, .	3.2	8
6	Processing Strategies for High-Performance Schottky Contacts on n-Type Oxide Semiconductors: Insights from In₂O₃. ACS Applied Materials & Interfaces, 2019, 11, 27073-27087.	8.0	26
7	Structural and electron transport properties of single-crystalline In2O3 films compensated by Ni acceptors. Applied Physics Letters, 2017, 111, 262103.	3.3	4
8	The role of surface electron accumulation and bulk doping for gas-sensing explored with single-crystalline In2O3 thin films. Sensors and Actuators B: Chemical, 2016, 236, 909-916.	7.8	41
9	Hall and Seebeck measurements estimate the thickness of a (buried) carrier system: Identifying interface electrons in In-doped SnO2 films. Applied Physics Letters, 2015, 107, .	3.3	11
10	Perovskite Srâ€Doped LaCrO₃ as a New pâ€Type Transparent Conducting Oxide. Advanced Materials, 2015, 27, 5191-5195.	21.0	160