

Gioele Mirabelli

List of Publications by Year in descending order

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901
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell formation in stanogermanides using pulsed laser thermal anneal on Ge _{0.91} Sn _{0.09} . Materials Science in Semiconductor Processing, 2021, 121, 105399.	1.9	8
2	Tertiarybutylarsine damage-free thin-film doping and conformal surface coverage of substrate-released horizontal Si nanowires. Applied Surface Science, 2020, 508, 145147.	3.1	1
3	Investigating the transient response of Schottky barrier back-gated MoS ₂ transistors. 2D Materials, 2020, 7, 025040.	2.0	13
4	Exploring conductivity in ex-situ doped Si thin films as thickness approaches 5 Ånm. Journal of Applied Physics, 2019, 125, 225709.	1.1	12
5	Monolayer doping of silicon-germanium alloys: A balancing act between phosphorus incorporation and strain relaxation. Journal of Applied Physics, 2019, 126, .	1.1	9
6	Effects of Annealing Temperature and Ambient on Metal/PtSe ₂ Contact Alloy Formation. ACS Omega, 2019, 4, 17487-17493.	1.6	10
7	Quantum confinement-induced semimetal-to-semiconductor evolution in large-area ultra-thin PtSe ₂ films grown at 400 Å°C. Npj 2D Materials and Applications, 2019, 3, .	3.9	69
8	Formation and characterization of Ni, Pt, and Ti stanogermanide contacts on Ge _{0.92} Sn _{0.08} . Thin Solid Films, 2019, 690, 137568.	0.8	9
9	Physics-based modelling of MoS ₂ : the layered structure concept. Semiconductor Science and Technology, 2019, 34, 055015.	1.0	13
10	Evaluation of border traps and interface traps in HfO ₂ /MoS ₂ gate stacks by capacitance-voltage analysis. 2D Materials, 2018, 5, 031002.	2.0	63
11	Monolayer doping and other strategies in high surface-to-volume ratio silicon devices. , 2018, , .		1
12	AsH ₃ gas-phase <i>ex situ</i> doping 3D silicon structures. Journal of Applied Physics, 2018, 124, .	1.1	4
13	Hall-effect mobility for a selection of natural and synthetic 2D semiconductor crystals. , 2017, , .		2
14	Impact of impurities, interface traps and contacts on MoS ₂ MOSFETs: Modelling and experiments. , 2017, , .		3
15	Ex-situ plasma doping of MoS ₂ thin films synthesised by thermally assisted conversion process: Simulations and experiment. , 2017, , .		0
16	Structural and Electrical Investigation of MoS ₂ Thin Films Formed by Thermal Assisted Conversion of Mo Metal. ECS Journal of Solid State Science and Technology, 2016, 5, Q3016-Q3020.	0.9	6
17	Back-gated Nb-doped MoS ₂ junctionless field-effect-transistors. AIP Advances, 2016, 6, .	0.6	20
18	Air sensitivity of MoS ₂ , MoSe ₂ , MoTe ₂ , HfS ₂ , and HfSe ₂ . Journal of Applied Physics, 2016, 120, .	1.1	134