

Alessandra Leonhardt

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

275
citations

933447

10
h-index

1125743

13
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14
all docs

14
docs citations

14
times ranked

522
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel self-aligned double patterning integrated with Ga ⁺ focused ion beam milling for silicon nanowire definition. <i>Microelectronic Engineering</i> , 2021, 237, 111493.	2.4	2
2	Understanding ambipolar transport in MoS ₂ field effect transistors: the substrate is the key. <i>Nanotechnology</i> , 2021, 32, 135202.	2.6	14
3	Multicomponent Covalent Chemical Patterning of Graphene. <i>ACS Nano</i> , 2021, 15, 10618-10627.	14.6	31
4	Contact Interface Characterization of Graphene contacted MoS ₂ FETs. , 2021, , .		0
5	Graphene based Van der Waals contacts on MoS ₂ field effect transistors. <i>2D Materials</i> , 2021, 8, 015003.	4.4	15
6	Use of the Indirect Photoluminescence Peak as an Optical Probe of Interface Defectivity in MoS ₂ . <i>Advanced Materials Interfaces</i> , 2020, 7, 2000413.	3.7	10
7	Material-Selective Doping of 2D TMDC through Al _x O _y Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42697-42707.	8.0	37
8	Devices and Circuits Using Novel 2-D Materials: A Perspective for Future VLSI Systems. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2019, 27, 1486-1503.	3.1	30
9	Relation between film thickness and surface doping of MoS ₂ based field effect transistors. <i>APL Materials</i> , 2018, 6, .	5.1	9
10	Growth of Millimeter-Sized Graphene Single Crystals on Al ₂ O ₃ (0001)/Pt(111) Template Wafers Using Chemical Vapor Deposition. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, M195-M200.	1.8	20
11	The Role of Nonidealities in the Scaling of MoS ₂ FETs. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 4635-4640.	3.0	14
12	Layer-controlled epitaxy of 2D semiconductors: bridging nanoscale phenomena to wafer-scale uniformity. <i>Nanotechnology</i> , 2018, 29, 425602.	2.6	48
13	(Invited) Internal Photoemission of Electrons from 2-Dimensional Semiconductors. <i>ECS Transactions</i> , 2017, 80, 191-201.	0.5	12
14	Improving MOCVD MoS ₂ Electrical Performance: Impact of Minimized Water and Air Exposure Conditions. <i>IEEE Electron Device Letters</i> , 2017, 38, 1606-1609.	3.9	33