

Aniello Pelella

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

472
citations

932766

10
h-index

940134

16
g-index

20
all docs

20
docs citations

20
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Tunable Ambipolar Conduction and Hysteresis in Thin Palladium Diselenide Field Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1902483.	7.8	98
2	Field Emission in Ultrathin PdSe ₂ Back-Gated Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 2000094.	2.6	66
3	Coexistence of Negative and Positive Photoconductivity in Few-Layer PtSe ₂ Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2021, 31, 2105722.	7.8	53
4	Electron Irradiation of Metal Contacts in Monolayer MoS ₂ Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40532-40540.	4.0	44
5	WS ₂ Nanotubes: Electrical Conduction and Field Emission Under Electron Irradiation and Mechanical Stress. <i>Small</i> , 2020, 16, e2002880.	5.2	42
6	Graphene-Silicon Device for Visible and Infrared Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47895-47903.	4.0	41
7	Field Emission Characterization of MoS ₂ Nanoflowers. <i>Nanomaterials</i> , 2019, 9, 717.	1.9	40
8	Gate-Controlled Field Emission Current from MoS ₂ Nanosheets. <i>Advanced Electronic Materials</i> , 2021, 7, 2000838.	2.6	37
9	Field Emission Characteristics of InSb Patterned Nanowires. <i>Advanced Electronic Materials</i> , 2020, 6, 2000402.	2.6	18
10	Memory effects in black phosphorus field effect transistors. <i>2D Materials</i> , 2022, 9, 015028.	2.0	17
11	Air Pressure, Gas Exposure and Electron Beam Irradiation of 2D Transition Metal Dichalcogenides. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5840.	1.3	5
12	SnO ₂ Nanofibers Network for Cold Cathode Applications in Vacuum Nanoelectronics. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	5
13	Electrical Conduction and Photoconduction in PtSe ₂ Ultrathin Films. <i>Materials Proceedings</i> , 2020, 4, .	0.2	2
14	2D transition metal dichalcogenides nanosheets as gate modulated cold electron emitters. , 2021, , .		1
15	Temperature Dependence of Germanium Arsenide Field-Effect Transistors Electrical Properties. <i>Materials Proceedings</i> , 2021, 4, 26.	0.2	1
16	Sensors Based on Multiwalled Carbon Nanotubes. <i>Materials Proceedings</i> , 2021, 4, 59.	0.2	1
17	Modification of contacts and channel properties in two-dimensional field-effect transistors by 10 keV electron beam irradiation. , 2021, , .		0
18	Molybdenum Disulfide Field Effect Transistors under Electron Beam Irradiation and External Electric Fields. <i>Materials Proceedings</i> , 2021, 4, 25.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Direct Contacting of 2D Nanosheets by Metallic Nanoprobes. Materials Proceedings, 2020, 4, .	0.2	0