

Alessandro Grillo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	528 citations	12 h-index	22 g-index
34 ext. papers	754 ext. citations	5.2 avg, IF	4.18 L-index

#	Paper	IF	Citations
31	Field Emission from Graphene Layers. <i>Lecture Notes in Electrical Engineering</i> , 2023 , 213-220	0.2	1
30	Memory effects in black phosphorus field effect transistors. <i>2D Materials</i> , 2022 , 9, 015028	5.9	3
29	Temperature Dependence of Germanium Arsenide Field-Effect Transistors Electrical Properties. <i>Materials Proceedings</i> , 2021 , 4, 26	0.3	
28	Molybdenum Disulfide Field Effect Transistors under Electron Beam Irradiation and External Electric Fields. <i>Materials Proceedings</i> , 2021 , 4, 25	0.3	
27	Direct Contacting of 2D Nanosheets by Metallic Nanoprobes. <i>Materials Proceedings</i> , 2021 , 4, 16	0.3	
26	Sensors Based on Multiwalled Carbon Nanotubes. <i>Materials Proceedings</i> , 2021 , 4, 59	0.3	0
25	Electrical Conduction and Photoconduction in PtSe ₂ Ultrathin Films. <i>Materials Proceedings</i> , 2021 , 4, 28	0.3	2
24	A Current-Voltage Model for Double Schottky Barrier Devices. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000979	6.4	10
23	Field emission from two-dimensional GeAs. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 105302	3	7
22	Graphene-Silicon Device for Visible and Infrared Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 47895-47903	9.5	10
21	Gate-Controlled Field Emission Current from MoS ₂ Nanosheets. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000838	6.4	12
20	Field Emission in Ultrathin PdSe ₂ Back-Gated Transistors. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000094	6.4	35
19	Observation of 2D Conduction in Ultrathin Germanium Arsenide Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12998-13004	9.5	22
18	Contact resistance and mobility in back-gate graphene transistors. <i>Nano Express</i> , 2020 , 1, 010001	2	28
17	Impact of Impurities on the Electrical Conduction of Anisotropic Two-Dimensional Materials. <i>Physical Review Applied</i> , 2020 , 13,	4.3	9
16	Environmental effects on transport properties of PdSe ₂ field effect transistors. <i>Materials Today: Proceedings</i> , 2020 , 20, 50-53	1.4	9
15	Field emission from mono and two-dimensional nanostructures. <i>Materials Today: Proceedings</i> , 2020 , 20, 64-68	1.4	3

14	WS Nanotubes: Electrical Conduction and Field Emission Under Electron Irradiation and Mechanical Stress. <i>Small</i> , 2020 , 16, e2002880	11	16
13	Electron Irradiation of Metal Contacts in Monolayer MoS Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40532-40540	9.5	18
12	Field Emission Characteristics of InSb Patterned Nanowires. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000402	4.2	8
11	Air Pressure, Gas Exposure and Electron Beam Irradiation of 2D Transition Metal Dichalcogenides. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5840	2.6	2
10	Effect of silicon doping on graphene/silicon Schottky photodiodes. <i>Materials Today: Proceedings</i> , 2020 , 20, 82-86	1.4	7
9	Field Emission Characterization of MoS Nanoflowers. <i>Nanomaterials</i> , 2019 , 9,	5.4	24
8	Pressure-Tunable Ambipolar Conduction and Hysteresis in Thin Palladium Diselenide Field Effect Transistors. <i>Advanced Functional Materials</i> , 2019 , 29, 1902483	15.6	65
7	High field-emission current density from EGa2O3 nanopillars. <i>Applied Physics Letters</i> , 2019 , 114, 193101	3.4	23
6	Graphene Schottky Junction on Pillar Patterned Silicon Substrate. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
5	Gas dependent hysteresis in MoS 2 field effect transistors. <i>2D Materials</i> , 2019 , 6, 045049	5.9	47
4	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. <i>Nanomaterials</i> , 2019 , 9,	5.4	20
3	Persistent Photoconductivity, Hysteresis and Field Emission in MoS2 Back-Gate Field-Effect Transistors 2018 ,		2
2	Asymmetric Schottky Contacts in Bilayer MoS2 Field Effect Transistors. <i>Advanced Functional Materials</i> , 2018 , 28, 1800657	15.6	119
1	Coexistence of Negative and Positive Photoconductivity in Few-Layer PtSe2 Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2105722	15.6	14