

Giuseppe Luongo

List of Publications by Year in descending order

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29
papers

1,709
citations

361413

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526287

27
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29
all docs

29
docs citations

29
times ranked

2302
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-Silicon Device for Visible and Infrared Photodetection. ACS Applied Materials & Interfaces, 2021, 13, 47895-47903.	8.0	41
2	Current leakage mechanisms related to threading dislocations in Ge-rich SiGe heterostructures grown on Si(001). Applied Physics Letters, 2021, 119, .	3.3	3
3	Effect of silicon doping on graphene/silicon Schottky photodiodes. Materials Today: Proceedings, 2020, 20, 82-86.	1.8	8
4	Environmental effects on transport properties of PdSe ₂ field effect transistors. Materials Today: Proceedings, 2020, 20, 50-53.	1.8	15
5	Field emission from mono and two-dimensional nanostructures. Materials Today: Proceedings, 2020, 20, 64-68.	1.8	4
6	Gas dependent hysteresis in MoS ₂ field effect transistors. 2D Materials, 2019, 6, 045049.	4.4	79
7	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. Nanomaterials, 2019, 9, 1598.	4.1	29
8	Space charge limited current and photoconductive effect in few-layer MoS ₂ . Journal of Physics: Conference Series, 2019, 1226, 012013.	0.4	14
9	Two-dimensional effects in Fowler-Nordheim field emission from transition metal dichalcogenides. Journal of Physics: Conference Series, 2019, 1226, 012018.	0.4	5
10	A WSe ₂ vertical field emission transistor. Nanoscale, 2019, 11, 1538-1548.	5.6	100
11	Field Emission Characterization of MoS ₂ Nanoflowers. Nanomaterials, 2019, 9, 717.	4.1	40
12	High field-emission current density from In ₂ -Ga ₂ O ₃ nanopillars. Applied Physics Letters, 2019, 114, .	3.3	33
13	Graphene Schottky Junction on Pillar Patterned Silicon Substrate. Nanomaterials, 2019, 9, 659.	4.1	22
14	Effect of Electron Irradiation on the Transport and Field Emission Properties of Few-Layer MoS ₂ Field-Effect Transistors. Journal of Physical Chemistry C, 2019, 123, 1454-1461.	3.1	51
15	Hysteresis in the transfer characteristics of MoS ₂ transistors. 2D Materials, 2018, 5, 015014.	4.4	209
16	Persistent Photoconductivity, Hysteresis and Field Emission in MoS ₂ Back-Gate Field-Effect Transistors. , 2018, , .		5
17	The role of the substrate in Graphene/Silicon photodiodes. Journal of Physics: Conference Series, 2018, 956, 012019.	0.4	5
18	Electronic properties of graphene/p-silicon Schottky junction. Journal Physics D: Applied Physics, 2018, 51, 255305.	2.8	63

#	ARTICLE	IF	CITATIONS
19	Asymmetric Schottky Contacts in Bilayer MoS ₂ Field Effect Transistors. Advanced Functional Materials, 2018, 28, 1800657.	14.9	162
20	Field Emission from Carbon Nanostructures. Applied Sciences (Switzerland), 2018, 8, 526.	2.5	125
21	Graphene-Silicon Schottky Diodes for Photodetection. IEEE Nanotechnology Magazine, 2018, 17, 1133-1137.	2.0	69
22	Transport and field emission properties of buckypapers obtained from aligned carbon nanotubes. Journal of Materials Science, 2017, 52, 6459-6468.	3.7	34
23	Hybrid graphene/silicon Schottky photodiode with intrinsic gating effect. 2D Materials, 2017, 4, 025075.	4.4	127
24	Electrical transport and persistent photoconductivity in monolayer MoS ₂ phototransistors. Nanotechnology, 2017, 28, 214002.	2.6	189
25	Tunable Schottky barrier and high responsivity in graphene/Si-nanotip optoelectronic device. 2D Materials, 2017, 4, 015024.	4.4	122
26	Graphene enhanced field emission from InP nanocrystals. Nanotechnology, 2017, 28, 495705.	2.6	53
27	Invited talk "Graphene/silicon schottky diodes for photodetection.", 2017, , .		1
28	I-V and C-V Characterization of a High-Responsivity Graphene/Silicon Photodiode with Embedded MOS Capacitor. Nanomaterials, 2017, 7, 158.	4.1	63
29	Field Emission from Self-Catalyzed GaAs Nanowires. Nanomaterials, 2017, 7, 275.	4.1	38