

Francesca Urban

List of Publications by Citations

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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.

39
papers

855
citations

16
h-index

29
g-index

43
ext. papers

1,100
ext. citations

3.9
avg, IF

4.6
L-index

#	Paper	IF	Citations
39	Asymmetric Schottky Contacts in Bilayer MoS ₂ Field Effect Transistors. <i>Advanced Functional Materials</i> , 2018 , 28, 1800657	15.6	119
38	Field Emission from Carbon Nanostructures. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 526	2.6	74
37	A WSe vertical field emission transistor. <i>Nanoscale</i> , 2019 , 11, 1538-1548	7.7	72
36	Pressure-Tunable Ambipolar Conduction and Hysteresis in Thin Palladium Diselenide Field Effect Transistors. <i>Advanced Functional Materials</i> , 2019 , 29, 1902483	15.6	65
35	Transport and Field Emission Properties of MoS ₂ Bilayers. <i>Nanomaterials</i> , 2018 , 8,	5.4	57
34	Graphene/Silicon Schottky Diodes for Photodetection. <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 1133-1137	13.7	56
33	Gas dependent hysteresis in MoS ₂ field effect transistors. <i>2D Materials</i> , 2019 , 6, 045049	5.9	47
32	Effect of Electron Irradiation on the Transport and Field Emission Properties of Few-Layer MoS ₂ Field-Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1454-1461	3.8	38
31	Environmental Effects on the Electrical Characteristics of Back-Gated WSe ₂ Field-Effect Transistors. <i>Nanomaterials</i> , 2018 , 8,	5.4	38
30	Field Emission in Ultrathin PdSe ₂ Back-Gated Transistors. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000094	4.4	35
29	Contact resistance and mobility in back-gate graphene transistors. <i>Nano Express</i> , 2020 , 1, 010001	2	28
28	Field Emission Characterization of MoS Nanoflowers. <i>Nanomaterials</i> , 2019 , 9,	5.4	24
27	High field-emission current density from BiGa ₂ O ₃ nanopillars. <i>Applied Physics Letters</i> , 2019 , 114, 193101	3.4	23
26	Observation of 2D Conduction in Ultrathin Germanium Arsenide Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12998-13004	9.5	22
25	Bias Tunable Photocurrent in Metal-Insulator-Semiconductor Heterostructures with Photoresponse Enhanced by Carbon Nanotubes. <i>Nanomaterials</i> , 2019 , 9,	5.4	20
24	Electron Irradiation of Metal Contacts in Monolayer MoS ₂ Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40532-40540	9.5	18
23	Electron irradiation of multilayer [Formula: see text] field effect transistors. <i>Nanotechnology</i> , 2020 , 31, 375204	3.4	16

22	Isotropic conduction and negative photoconduction in ultrathin PtSe ₂ films. <i>Applied Physics Letters</i> , 2020 , 117, 193102	3.4	15
21	Nanotip Contacts for Electric Transport and Field Emission Characterization of Ultrathin MoS Flakes. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
20	Gate-Controlled Field Emission Current from MoS ₂ Nanosheets. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000838	6.4	12
19	Space charge limited current and photoconductive effect in few-layer MoS ₂ . <i>Journal of Physics: Conference Series</i> , 2019 , 1226, 012013	0.3	9
18	Environmental effects on transport properties of PdSe ₂ field effect transistors. <i>Materials Today: Proceedings</i> , 2020 , 20, 50-53	1.4	9
17	Field Emission Characteristics of InSb Patterned Nanowires. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000402	4.0	8
16	Magnetotransport and magnetic properties of amorphous [Formula: see text] thin films. <i>Scientific Reports</i> , 2020 , 10, 13693	4.9	7
15	Effect of silicon doping on graphene/silicon Schottky photodiodes. <i>Materials Today: Proceedings</i> , 2020 , 20, 82-86	1.4	7
14	Thermoresistive Properties of Graphite Platelet Films Supported by Different Substrates. <i>Materials</i> , 2019 , 12,	3.5	4
13	Two-dimensional effects in Fowler-Nordheim field emission from transition metal dichalcogenides. <i>Journal of Physics: Conference Series</i> , 2019 , 1226, 012018	0.3	3
12	Field emission from mono and two-dimensional nanostructures. <i>Materials Today: Proceedings</i> , 2020 , 20, 64-68	1.4	3
11	Electrical Conduction and Photoconduction in PtSe ₂ Ultrathin Films. <i>Materials Proceedings</i> , 2021 , 4, 28	0.3	2
10	Air Pressure, Gas Exposure and Electron Beam Irradiation of 2D Transition Metal Dichalcogenides. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5840	2.6	2
9	Influence of the Thermomechanical Characteristics of Low-Density Polyethylene Substrates on the Thermoresistive Properties of Graphite Nanoplatelet Coatings. <i>Coatings</i> , 2021 , 11, 332	2.9	2
8	PtSe ₂ phototransistors with negative photoconductivity. <i>Journal of Physics: Conference Series</i> , 2021 , 1866, 012001	0.3	2
7	Persistent Photoconductivity, Hysteresis and Field Emission in MoS ₂ Back-Gate Field-Effect Transistors 2018 ,		2
6	Vacuum Gauge from Ultrathin MoS ₂ Transistor. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 45-53	0.2	1
5	Sensors Based on Multiwalled Carbon Nanotubes. <i>Materials Proceedings</i> , 2021 , 4, 59	0.3	0

4	Structural and Electrical Properties of Graphite Platelet Films Deposited on Low-Density Polyethylene Substrate. <i>Materials Proceedings</i> , 2021 , 4, 38	0.3
3	Temperature Dependence of Germanium Arsenide Field-Effect Transistors Electrical Properties. <i>Materials Proceedings</i> , 2021 , 4, 26	0.3
2	Molybdenum Disulfide Field Effect Transistors under Electron Beam Irradiation and External Electric Fields. <i>Materials Proceedings</i> , 2021 , 4, 25	0.3
1	Direct Contacting of 2D Nanosheets by Metallic Nanoprobes. <i>Materials Proceedings</i> , 2021 , 4, 16	0.3