

Semir El-Ahmar

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

145
citations

1162367

8
h-index

1199166

12
g-index

15
all docs

15
docs citations

15
times ranked

192
citing authors

#	ARTICLE	IF	CITATIONS
1	Hall Sensors for Extreme Temperatures. <i>Sensors</i> , 2011, 11, 876-885.	2.1	43
2	CMOS- compatible fabrication method of graphene-based micro devices. <i>Materials Science in Semiconductor Processing</i> , 2017, 67, 92-97.	1.9	16
3	Planar configuration of extraordinary magnetoresistance for 2D-material-based magnetic field sensors. <i>Sensors and Actuators A: Physical</i> , 2019, 296, 249-253.	2.0	13
4	Graphene on SiC as a promising platform for magnetic field detection under neutron irradiation. <i>Applied Surface Science</i> , 2022, 590, 152992.	3.1	13
5	The impact of partial H intercalation on the quasi-free-standing properties of graphene on SiC(0001). <i>Applied Surface Science</i> , 2021, 541, 148668.	3.1	10
6	Extraordinary magnetoresistance in planar configuration. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 145002.	1.3	9
7	Graphene-based magnetoresistance device utilizing strip pattern geometry. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	9
8	Toward the Development of an InSb-Based Neutron-Resistant Hall Sensor. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 926-931.	1.2	8
9	Double Hall sensor structure reducing voltage offset. <i>Review of Scientific Instruments</i> , 2017, 88, 075005.	0.6	7
10	Investigation of impact of neutron irradiation on properties of InSb-based hall plates. <i>Journal of Nuclear Materials</i> , 2011, 417, 846-849.	1.3	4
11	The Comparison of InSb-Based Thin Films and Graphene on SiC for Magnetic Diagnostics under Extreme Conditions. <i>Sensors</i> , 2022, 22, 5258.	2.1	4
12	Temperature dependence of reduced offset in double Hall sensor structure reducing voltage offset. <i>Review of Scientific Instruments</i> , 2018, 89, 015004.	0.6	3
13	Planar Construction of Extraordinary Magnetoresistance Sensor. <i>Acta Physica Polonica A</i> , 2012, 121, 959-962.	0.2	3
14	Modeling the planar configuration of extraordinary magnetoresistance. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 205101.	1.3	2
15	Using double Hall sensor structure to greatly reduce voltage offset in epitaxial graphene. <i>Journal of Applied Physics</i> , 2019, 125, 104502.	1.1	1