

# Semir El-Ahmar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9520966/publications.pdf>

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