Filiberto Ricciardella

List of Publications by Year
in descending order

19 papers	277 citations	1306789 7 h-index	940134 16 g-index
22 all docs	22 docs citations	22 times ranked	490 citing authors

#	Article	IF	Citations
1	Effects of graphene defects on gas sensing properties towards NO_2 detection. Nanoscale, 2017, 9, 6085-6093.	2.8	78
2	Effect of graphene nano-platelet morphology on the elastic modulus of soft and hard biopolymers. Carbon, 2016, 109, 331-339.	5.4	44
3	A study on the physicochemical properties of hydroalcoholic solutions to improve the direct exfoliation of natural graphite down to few-layers graphene. Materials Research Express, 2015, 2, 035601.	0.8	31
4	Fully eco-friendly H 2 sensing device based on Pd-decorated graphene. Sensors and Actuators B: Chemical, 2017, 239, 1144-1152.	4.0	28
5	Calibration of Nonstationary Gas Sensors Based on Two-Dimensional Materials. ACS Omega, 2020, 5, 5959-5963.	1.6	20
6	Significant strain and force improvements of single-walled carbon nanotube actuator: A metal chalcogenides approach. Sensors and Actuators B: Chemical, 2016, 230, 673-683.	4.0	14
7	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions. , 2015, , .		9
8	Graphene-based Schottky Device Detecting NH3 at ppm level in Environmental Conditions. Procedia Engineering, 2014, 87, 232-235.	1.2	7
9	Influence of defect density on the gas sensing properties of multi-layered graphene grown by chemical vapor deposition. Carbon Trends, 2021, 3, 100024.	1.4	7
10	Low Temperature CVD Grown Graphene for Highly Selective Gas Sensors Working under Ambient Conditions. Proceedings (mdpi), 2017, 1, 445.	0.2	6
11	Low-Humidity Sensing Properties of Multi-Layered Graphene Grown by Chemical Vapor Deposition. Sensors, 2020, 20, 3174.	2.1	5
12	Cross interference effects between water and NH_3 on a sensor based on graphene/silicon Schottky diode. , 2015, , .		4
13	A simple method to recover the graphene-based chemi-resistor signal. Journal of Sensors and Sensor Systems, 2014, 3, 241-244.	0.6	4
14	Analysis of a calibration method for non-stationary CVD multi-layered graphene-based gas sensors. Nanotechnology, 2019, 30, 385501.	1.3	3
15	Growth of multi-layered graphene on molybdenum catalyst by solid phase reaction with amorphous carbon. 2D Materials, 2019, 6, 035012.	2.0	3
16	Wafer-scale transfer-free process of multi-layered graphene grown by chemical vapor deposition. Materials Research Express, 2020, 7, 035001.	0.8	3
17	Investigation of multi-layered graphene/silicon Schottky junction in oxidizing atmosphere. Journal Physics D: Applied Physics, 0, , .	1.3	2
18	Graphene-Si Schottky diode in environmental conditions at low NH_3 ppm level. , 2014, , .		1

#	Article	IF	Citations
19	Easy Recovery Method for Graphene-Based Chemi-Resistors. Lecture Notes in Electrical Engineering, 2015, , 203-206.	0.3	1