Filiberto Ricciardella

List of Publications by Year in Descending Order

20 papers	201 citations	6 h-index	14 g-index
22 ext. papers	252 ext. citations	3.5 avg, IF	2.6 L-index

#	Paper	IF	Citations
20	Influence of defect density on the gas sensing properties of multi-layered graphene grown by chemical vapor deposition. *Carbon Trends*, **2021**, 3, 100024	0	2
19	Low-Humidity Sensing Properties of Multi-Layered Graphene Grown by Chemical Vapor Deposition. *Sensors*, **2020**, 20,	3.8	3
18	Calibration of Nonstationary Gas Sensors Based on Two-Dimensional Materials. *ACS Omega*, **2020**, 5, 5959-5963	3.9	7
17	Wafer-scale transfer-free process of multi-layered graphene grown by chemical vapor deposition. *Materials Research Express*, **2020**, 7, 035001	1.7	2
16	Analysis of a calibration method for non-stationary CVD multi-layered graphene-based gas sensors. *Nanotechnology*, **2019**, 30, 385501	3.4	2
15	Growth of multi-layered graphene on molybdenum catalyst by solid phase reaction with amorphous carbon. *2D Materials*, **2019**, 6, 035012	5.9	2
14	Effects of graphene defects on gas sensing properties towards NO detection. *Nanoscale*, **2017**, 9, 6085-6093	7.7	54
13	Fully eco-friendly H 2 sensing device based on Pd-decorated graphene. *Sensors and Actuators B: Chemical*, **2017**, 239, 1144-1152	8.5	25
12	Low Temperature CVD Grown Graphene for Highly Selective Gas Sensors Working under Ambient Conditions. *Proceedings (mdpi)*, **2017**, 1, 445	0.3	5
11	Significant strain and force improvements of single-walled carbon nanotube actuator: A metal chalcogenides approach. *Sensors and Actuators B: Chemical*, **2016**, 230, 673-683	8.5	10
10	Effect of graphene nano-platelet morphology on the elastic modulus of soft and hard biopolymers. *Carbon*, **2016**, 109, 331-339	10.4	38
9	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	1.7	27
8	Cross interference effects between water and NH3 on a sensor based on graphene/silicon Schottky diode **2015**,		2
7	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions **2015**,		6
6	Easy Recovery Method for Graphene-Based Chemi-Resistors. *Lecture Notes in Electrical Engineering*, **2015**, 203-206	0.2	0
5	Graphene-based Schottky Device Detecting NH3 at ppm level in Environmental Conditions. *Procedia Engineering*, **2014**, 87, 232-235		5
4	A simple method to recover the graphene-based chemi-resistor signal. *Journal of Sensors and Sensor Systems*, **2014**, 3, 241-244	1.6	4

List of Publications

3	Reproducibility of the Performances of Graphene-Based Gas-Sensitive Chemiresistors. *Lecture Notes in Electrical Engineering*, **2014**, 139-142	0.2	2
2	Exfoliation of Graphite and Dispersion of Graphene in Solutions of Low-Boiling-Point Solvents for Use in Gas Sensors. *Lecture Notes in Electrical Engineering*, **2014**, 143-147	0.2	3
1	Sub-PPM Nitrogen Dioxide Conductometric Response at Room Temperature by Graphene Flakes Based Layer. *Lecture Notes in Electrical Engineering*, **2012**, 121-125	0.2	2