

# Filiberto Ricciardella

## 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.

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	Effects of graphene defects on gas sensing properties towards NO detection. <i>Nanoscale</i> , <b>2017</b> , 9, 6085-6093	7.7	54
19	Effect of graphene nano-platelet morphology on the elastic modulus of soft and hard biopolymers. <i>Carbon</i> , <b>2016</b> , 109, 331-339	10.4	38
18	A study on the physicochemical properties of hydroalcoholic solutions to improve the direct exfoliation of natural graphite down to few-layers graphene. <i>Materials Research Express</i> , <b>2015</b> , 2, 035601	1.7	27
17	Fully eco-friendly H <sub>2</sub> sensing device based on Pd-decorated graphene. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 1144-1152	8.5	25
16	Significant strain and force improvements of single-walled carbon nanotube actuator: A metal chalcogenides approach. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 230, 673-683	8.5	10
15	Calibration of Nonstationary Gas Sensors Based on Two-Dimensional Materials. <i>ACS Omega</i> , <b>2020</b> , 5, 5959-5963	3.9	7
14	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions <b>2015</b> ,		6
13	Low Temperature CVD Grown Graphene for Highly Selective Gas Sensors Working under Ambient Conditions. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 445	0.3	5
12	Graphene-based Schottky Device Detecting NH <sub>3</sub> at ppm level in Environmental Conditions. <i>Procedia Engineering</i> , <b>2014</b> , 87, 232-235		5
11	A simple method to recover the graphene-based chemi-resistor signal. <i>Journal of Sensors and Sensor Systems</i> , <b>2014</b> , 3, 241-244	1.6	4
10	Low-Humidity Sensing Properties of Multi-Layered Graphene Grown by Chemical Vapor Deposition. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
9	Exfoliation of Graphite and Dispersion of Graphene in Solutions of Low-Boiling-Point Solvents for Use in Gas Sensors. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 143-147	0.2	3
8	Analysis of a calibration method for non-stationary CVD multi-layered graphene-based gas sensors. <i>Nanotechnology</i> , <b>2019</b> , 30, 385501	3.4	2
7	Growth of multi-layered graphene on molybdenum catalyst by solid phase reaction with amorphous carbon. <i>2D Materials</i> , <b>2019</b> , 6, 035012	5.9	2
6	Cross interference effects between water and NH <sub>3</sub> on a sensor based on graphene/silicon Schottky diode <b>2015</b> ,		2
5	Wafer-scale transfer-free process of multi-layered graphene grown by chemical vapor deposition. <i>Materials Research Express</i> , <b>2020</b> , 7, 035001	1.7	2
4	Reproducibility of the Performances of Graphene-Based Gas-Sensitive Chemiresistors. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 139-142	0.2	2

3	Influence of defect density on the gas sensing properties of multi-layered graphene grown by chemical vapor deposition. <i>Carbon Trends</i> , <b>2021</b> , 3, 100024	0	2
2	Sub-PPM Nitrogen Dioxide Conductometric Response at Room Temperature by Graphene Flakes Based Layer. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 121-125	0.2	2
1	Easy Recovery Method for Graphene-Based Chemi-Resistors. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 203-206	0.2	0