

Tiziana Polichetti

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

46
papers

620
citations

15
h-index

24
g-index

49
ext. papers

742
ext. citations

2.8
avg, IF

3.54
L-index

#	Paper	IF	Citations
46	A Wearable Low-Power Sensing Platform for Environmental and Health Monitoring: The Convergence Project. <i>Sensors</i> , 2021 , 21,	3.8	6
45	Sustainable Graphene-Based Mortar and Lightweight Mortar Composites. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 239-248	0.2	
44	Titanium Dioxide Doped Graphene for Ethanol Detection at Room Temperature. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 107-112	0.2	
43	Crowdsensing IoT Architecture for Pervasive Air Quality and Exposome Monitoring: Design, Development, Calibration, and Long-Term Validation. <i>Sensors</i> , 2021 , 21,	3.8	3
42	Conductometric Gas Sensors 2021 ,		1
41	A Review of Low-Cost Particulate Matter Sensors from the Developers' Perspectives. <i>Sensors</i> , 2020 , 20,	3.8	30
40	Low-Humidity Sensing Properties of Multi-Layered Graphene Grown by Chemical Vapor Deposition. <i>Sensors</i> , 2020 , 20,	3.8	3
39	Effect of Humidity on the Hydrogen Sensing in Graphene Based Devices. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 11-16	0.2	0
38	Analysis of a calibration method for non-stationary CVD multi-layered graphene-based gas sensors. <i>Nanotechnology</i> , 2019 , 30, 385501	3.4	2
37	A Networked Wearable Device for Chemical Multisensing. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 17-24	0.2	1
36	Graphene-Like Based-Chemiresistors Inkjet-Printed onto Paper Substrate. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 337-343	0.2	1
35	Improvement of NO ₂ Detection: Graphene Decorated With ZnO Nanoparticles. <i>IEEE Sensors Journal</i> , 2019 , 19, 8751-8757	4	5
34	Graphene-like layers as promising chemiresistive sensing material for detection of alcohols at low concentration. <i>Journal of Applied Physics</i> , 2018 , 123, 024503	2.5	19
33	Effective Tuning of Silver Decorated Graphene Sensing Properties by Adjusting the Ag NPs Coverage Density. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 82-89	0.2	0
32	Graphene Decoration for Gas Detection. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 35-40	0.2	2
31	Effects of graphene defects on gas sensing properties towards NO detection. <i>Nanoscale</i> , 2017 , 9, 6085-6093	7.7	54
30	CVD transfer-free graphene for sensing applications. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1015-1022	3	6

29	Effect of palladium nanoparticle functionalization on the hydrogen gas sensing of graphene based chemi-resistive devices. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 1163-1169	8.5	17
28	Fully eco-friendly H ₂ sensing device based on Pd-decorated graphene. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 1144-1152	8.5	25
27	Low Temperature CVD Grown Graphene for Highly Selective Gas Sensors Working under Ambient Conditions. <i>Proceedings (mdpi)</i> , 2017 , 1, 445	0.3	5
26	Electronic Noses for Composites Surface Contamination Detection in Aerospace Industry. <i>Sensors</i> , 2017 , 17,	3.8	5
25	Titanium oxide films deposited by e-beam evaporation as n-type electrode for solar cell applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016 , 13, 1002-1005		1
24	Cu ₂ SnS ₃ based solar cell with 3% efficiency. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016 , 13, 35-39		48
23	Modulating the sensing properties of graphene through an eco-friendly metal-decoration process. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 1032-1042	8.5	30
22	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> , 2015 , 2, 035601 ¹⁻⁷		27
21	Cross interference effects between water and NH ₃ on a sensor based on graphene/silicon Schottky diode 2015 ,		2
20	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions 2015 ,		6
19	A calibrated graphene-based chemi-sensor for sub parts-per-million NO ₂ detection operating at room temperature. <i>Applied Physics Letters</i> , 2014 , 104, 183502	3.4	33
18	Graphene-based Schottky Device Detecting NH ₃ at ppm level in Environmental Conditions. <i>Procedia Engineering</i> , 2014 , 87, 232-235		5
17	Reproducibility of the Performances of Graphene-Based Gas-Sensitive Chemiresistors. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 139-142	0.2	2
16	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> , 2014 , 143-147	0.2	3
15	Broadband near-field effects for improved thin film Si solar cells on randomly textured substrates. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 112, 163-167	6.4	10
14	Graphene applications in Schottky barrier solar cells. <i>Thin Solid Films</i> , 2012 , 522, 390-394	2.2	37
13	The effect of solvent on the morphology of ZnO nanostructure assembly by dielectrophoresis and its device applications. <i>Electrophoresis</i> , 2012 , 33, 2086-93	3.6	2
12	Sub-PPM Nitrogen Dioxide Conductometric Response at Room Temperature by Graphene Flakes Based Layer. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 121-125	0.2	2

11	Chemically exfoliated graphene detects NO ₂ at the ppb level. <i>Procedia Engineering</i> , 2011 , 25, 1145-1148		9
10	Nanopatterned platinum electrodes by focused ion beam in single palladium nanowire based devices. <i>Microelectronic Engineering</i> , 2011 , 88, 3261-3266	2.5	6
9	Single Palladium Nanowire: Morphology and its Correlation with Sensing Mechanism. <i>Lecture Notes in Electrical Engineering</i> , 2011 , 181-185	0.2	
8	A Simple Optical Model for the Swelling Evaluation in Polymer Nanocomposites. <i>Journal of Sensors</i> , 2009 , 2009, 1-6	2	7
7	A Study of the Swelling Properties of Polymer Nanocomposites through Electrical and Optical Characterization. <i>Macromolecular Symposia</i> , 2009 , 286, 203-209	0.8	3
6	Gas concentration estimation in ternary mixtures with room temperature operating sensor array using tapped delay architectures. <i>Sensors and Actuators B: Chemical</i> , 2007 , 124, 309-316	8.5	41
5	Transport mechanism and IR structural characterisation of evaporated amorphous WO ₃ films. <i>Thin Solid Films</i> , 2003 , 426, 281-287	2.2	26
4	Improvement in electrochromic response for an amorphous/crystalline WO ₃ double layer. <i>Electrochimica Acta</i> , 2001 , 46, 2221-2227	6.7	35
3	Low-loss small-cross-section silicon-on-silicon rib waveguides with high-confining ion-implanted lower cladding 2000 , 3953, 120		
2	Influences of Sputtering Power and Substrate Temperature on the Properties of RF Magnetron Sputtered Indium Tin Oxide Thin Films. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 3448-3452	1.4	32
1	Structural and optical characterization of amorphous and crystalline evaporated WO ₃ layers. <i>Thin Solid Films</i> , 1999 , 354, 73-81	2.2	58