

Tiziana Polichetti

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1188404/tiziana-polichetti-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Structural and optical characterization of amorphous and crystalline evaporated WO ₃ layers. <i>Thin Solid Films</i> , 1999 , 354, 73-81	2.2	58
45	Effects of graphene defects on gas sensing properties towards NO detection. <i>Nanoscale</i> , 2017 , 9, 6085-6093	6.7	54
44	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
43	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
42	Graphene applications in Schottky barrier solar cells. <i>Thin Solid Films</i> , 2012 , 522, 390-394	2.2	37
41	Improvement in electrochromic response for an amorphous/crystalline WO ₃ double layer. <i>Electrochimica Acta</i> , 2001 , 46, 2221-2227	6.7	35
40	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
39	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
38	A Review of Low-Cost Particulate Matter Sensors from the Developers' Perspectives. <i>Sensors</i> , 2020 , 20,	3.8	30
37	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
36	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
35	Transport mechanism and IR structural characterisation of evaporated amorphous WO ₃ films. <i>Thin Solid Films</i> , 2003 , 426, 281-287	2.2	26
34	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
33	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
32	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
31	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
30	Chemically exfoliated graphene detects NO ₂ at the ppb level. <i>Procedia Engineering</i> , 2011 , 25, 1145-1148		9

29	A Simple Optical Model for the Swelling Evaluation in Polymer Nanocomposites. <i>Journal of Sensors</i> , 2009 , 2009, 1-6	2	7
28	Inkjet printed graphene-based chemi-resistors for gas detection in environmental conditions 2015 ,		6
27	CVD transfer-free graphene for sensing applications. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1015-1022	3	6
26	Nanopatterned platinum electrodes by focused ion beam in single palladium nanowire based devices. <i>Microelectronic Engineering</i> , 2011 , 88, 3261-3266	2.5	6
25	A Wearable Low-Power Sensing Platform for Environmental and Health Monitoring: The Convergence Project. <i>Sensors</i> , 2021 , 21,	3.8	6
24	Improvement of NO ₂ Detection: Graphene Decorated With ZnO Nanoparticles. <i>IEEE Sensors Journal</i> , 2019 , 19, 8751-8757	4	5
23	Low Temperature CVD Grown Graphene for Highly Selective Gas Sensors Working under Ambient Conditions. <i>Proceedings (mdpi)</i> , 2017 , 1, 445	0.3	5
22	Electronic Noses for Composites Surface Contamination Detection in Aerospace Industry. <i>Sensors</i> , 2017 , 17,	3.8	5
21	Graphene-based Schottky Device Detecting NH ₃ at ppm level in Environmental Conditions. <i>Procedia Engineering</i> , 2014 , 87, 232-235		5
20	Low-Humidity Sensing Properties of Multi-Layered Graphene Grown by Chemical Vapor Deposition. <i>Sensors</i> , 2020 , 20,	3.8	3
19	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
18	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
17	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
16	Analysis of a calibration method for non-stationary CVD multi-layered graphene-based gas sensors. <i>Nanotechnology</i> , 2019 , 30, 385501	3.4	2
15	Cross interference effects between water and NH ₃ on a sensor based on graphene/silicon Schottky diode 2015 ,		2
14	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
13	Reproducibility of the Performances of Graphene-Based Gas-Sensitive Chemiresistors. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 139-142	0.2	2
12	Graphene Decoration for Gas Detection. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 35-40	0.2	2

11	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
10	A Networked Wearable Device for Chemical Multisensing. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 17-24	0.2	1
9	Graphene-Like Based-Chemiresistors Inkjet-Printed onto Paper Substrate. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 337-343	0.2	1
8	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
7	Conductometric Gas Sensors 2021 ,		1
6	Effect of Humidity on the Hydrogen Sensing in Graphene Based Devices. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 11-16	0.2	0
5	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
4	Low-loss small-cross-section silicon-on-silicon rib waveguides with high-confining ion-implanted lower cladding 2000 , 3953, 120		
3	Single Palladium Nanowire: Morphology and its Correlation with Sensing Mechanism. <i>Lecture Notes in Electrical Engineering</i> , 2011 , 181-185	0.2	
2	Sustainable Graphene-Based Mortar and Lightweight Mortar Composites. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 239-248	0.2	
1	Titanium Dioxide Doped Graphene for Ethanol Detection at Room Temperature. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 107-112	0.2	