

Giuliana Faggio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3598871/publications.pdf>

Version: 2024-02-01

80
papers

1,260
citations

430442

18
h-index

414034

32
g-index

82
all docs

82
docs citations

82
times ranked

1827
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of crystalline perfection degree of multi-walled carbon nanotubes: correlations between thermal kinetic analysis and micro-Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 593-602.	1.2	80
2	Hydrogen sensing characteristics of Pt/TiO ₂ /MWCNTs composites. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1842-1851.	3.8	68
3	High-Temperature Growth of Graphene Films on Copper Foils by Ethanol Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21569-21576.	1.5	68
4	Influence of reaction parameters on the activity of ruthenium based catalysts for glycerol steam reforming. <i>Applied Catalysis B: Environmental</i> , 2012, 121-122, 40-49.	10.8	63
5	Nitrogen-doped graphene films from chemical vapor deposition of pyridine: influence of process parameters on the electrical and optical properties. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2028-2038.	1.5	63
6	Micro-Raman and photoluminescence analysis of composite vanadium oxide/polyvinyl acetate fibres synthesised by electrospinning. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 761-768.	1.2	53
7	Effect of sulphuric/nitric acid mixture composition on surface chemistry and structural evolution of liquid-phase oxidised carbon nanotubes. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1432-1442.	1.2	52
8	Poly lactide and carbon nanotubes/smectite-clay nanocomposites: Preparation, characterization, sorptive and electrical properties. <i>Applied Clay Science</i> , 2011, 53, 188-194.	2.6	48
9	On the hydrogen sensing mechanism of Pt/TiO ₂ /CNTs based devices. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 473-484.	4.0	46
10	Micro-Raman analysis of titanium oxide/carbon nanotubes-based nanocomposites for hydrogen sensing applications. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2451-2455.	1.4	44
11	Rapid and highly efficient growth of graphene on copper by chemical vapor deposition of ethanol. <i>Thin Solid Films</i> , 2014, 571, 139-144.	0.8	38
12	High quality CVD diamond: a Raman scattering and photoluminescence study. <i>European Physical Journal B</i> , 2001, 20, 133-139.	0.6	31
13	Micro-Raman investigation of vanadium-oxide coated tubular carbon nanofibers for gas-sensing applications. <i>Diamond and Related Materials</i> , 2010, 19, 590-594.	1.8	29
14	Taguchi optimized synthesis of graphene films by copper catalyzed ethanol decomposition. <i>Diamond and Related Materials</i> , 2014, 41, 73-78.	1.8	29
15	Chemical Vapor Deposited Graphene-Based Derivative As High-Performance Hole Transport Material for Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23844-23853.	4.0	29
16	Optical trapping of porous silicon nanoparticles. <i>Nanotechnology</i> , 2011, 22, 505704.	1.3	23
17	Ethanol-CVD Growth of Sub-mm Single-Crystal Graphene on Flat Cu Surfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 28830-28838.	1.5	23
18	The Role of Graphene-Based Derivative as Interfacial Layer in Graphene/n-Si Schottky Barrier Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800555.	0.8	21

#	ARTICLE	IF	CITATIONS
19	A three-dimensional nerve guide conduit based on graphene foam/polycaprolactone. <i>Materials Science and Engineering C</i> , 2021, 126, 112110.	3.8	20
20	Raman and photoluminescence analysis of CVD diamond films: influence of Si-related luminescence centre on the film detection properties. <i>Diamond and Related Materials</i> , 2004, 13, 923-928.	1.8	18
21	High quality CVD diamond for detection applications: structural characterization. <i>Diamond and Related Materials</i> , 2001, 10, 1788-1793.	1.8	17
22	Raman scattering in boron-doped single-crystal diamond used to fabricate Schottky diode detectors. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 2476-2481.	1.1	17
23	A safer and flexible method for the oxygen functionalization of carbon nanotubes by nitric acid vapors. <i>Applied Surface Science</i> , 2014, 303, 446-455.	3.1	17
24	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. <i>Journal of Materials Science</i> , 2010, 45, 783-792.	1.7	16
25	Electrochemical synthesis of self-organized TiO ₂ crystalline nanotubes without annealing. <i>Nanotechnology</i> , 2018, 29, 095604.	1.3	16
26	Structural characterisation of ionising-radiation detectors based on CVD diamond films. <i>Microsystem Technologies</i> , 1999, 6, 23-29.	1.2	15
27	Interactions between Primary Neurons and Graphene Films with Different Structure and Electrical Conductivity. <i>Advanced Functional Materials</i> , 2021, 31, 2005300.	7.8	15
28	A joint macro-/micro- Raman investigation of the diamond lineshape in CVD films: the influence of texturing and stress. <i>Diamond and Related Materials</i> , 2001, 10, 1535-1543.	1.8	13
29	Radioactivity, radiological risk and metal pollution assessment in marine sediments from Calabrian selected areas, southern Italy. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	13
30	Photoconductive properties of single-crystal CVD diamond. <i>Physica Status Solidi A</i> , 2003, 199, 113-118.	1.7	12
31	Diamond-based photoconductors for deep UV detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 567, 188-191.	0.7	12
32	Single crystal diamond detectors grown by chemical vapor deposition. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 570, 299-302.	0.7	12
33	Recent Advancements on the CVD of Graphene on Copper from Ethanol Vapor. <i>Journal of Carbon Research</i> , 2020, 6, 14.	1.4	11
34	Generalized mean-spherical-approximation description of highly asymmetric hard-sphere mixtures. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 2613-2622.	0.7	10
35	Homoepitaxial CVD diamond: Raman and time-resolved PL characterization. <i>Diamond and Related Materials</i> , 2006, 15, 1976-1979.	1.8	10
36	Exciton condensation in homoepitaxial chemical vapor deposition diamond. <i>Journal of Applied Physics</i> , 2009, 106, 053528.	1.1	10

#	ARTICLE	IF	CITATIONS
37	Correlation between carbon nanotube microstructure and their catalytic efficiency towards the p-coumaric acid degradation. <i>Current Applied Physics</i> , 2013, 13, 748-752.	1.1	10
38	Synthesis, crystal structure, vibrational and optical properties of a new Bi(III) halide complex: (C ₉ H ₁₃ N ₂ O ₂) ₂ Bi ₂ Cl ₈ . <i>Journal of Molecular Structure</i> , 2019, 1183, 52-59.	1.8	10
39	Radioactivity, Metals Pollution and Mineralogy Assessment of a Beach Stretch from the Ionian Coast of Calabria (Southern Italy). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12147.	1.2	10
40	Spectral response of large area CVD diamond photoconductors for space applications in the vacuum UV. <i>Diamond and Related Materials</i> , 2003, 12, 1819-1824.	1.8	9
41	Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition. <i>Diamond and Related Materials</i> , 2010, 19, 599-603.	1.8	9
42	Comparative study of band-A cathodoluminescence and Raman spectroscopy in CVD diamond films. <i>Diamond and Related Materials</i> , 1999, 8, 640-644.	1.8	8
43	Role of the film texturing on the response of particle detectors based on CVD diamond. <i>Microsystem Technologies</i> , 1999, 5, 151-156.	1.2	7
44	Graphene-based Schottky Device Detecting NH ₃ at ppm level in Environmental Conditions. <i>Procedia Engineering</i> , 2014, 87, 232-235.	1.2	7
45	Highly Versatile and Efficient Process for CNT Oxidation in Vapor Phase by Means of Mg(NO ₃) ₂ •HNO ₃ •H ₂ O Ternary Mixture. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 1-5.	1.0	7
46	Fabrication of 3D monolithic graphene foam/polycaprolactone porous nanocomposites for bioapplications. <i>Journal of Materials Science</i> , 2021, 56, 5581-5594.	1.7	7
47	Raman and photoluminescence study of hot filament CVD diamond films grown on WC-Co substrates. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 157-163.	1.2	6
48	Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition. <i>Diamond and Related Materials</i> , 2009, 18, 360-363.	1.8	6
49	Compositional and Mineralogical Analysis of Marine Sediments from Calabrian Selected Areas, Southern Italy. <i>International Journal of Environmental Research</i> , 2019, 13, 571-580.	1.1	6
50	Radiological assessment, mineralogy and geochemistry of the heavy-mineral placers from the Calabrian coast (South Italy). <i>Journal of Instrumentation</i> , 2019, 14, P05015-P05015.	0.5	6
51	Carbon Dots Dispersed on Graphene/SiO ₂ /Si: A Morphological Study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800559.	0.8	6
52	Single-crystal diamond MIS diode for deep UV detection. <i>Radiation Effects and Defects in Solids</i> , 2010, 165, 737-745.	0.4	5
53	Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications. <i>Diamond and Related Materials</i> , 2011, 20, 532-537.	1.8	5
54	Competitive Detection of Volatile Compounds from Food Degradation by a Zinc Oxide Sensor. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2261.	1.3	5

#	ARTICLE	IF	CITATIONS
55	Temperature dependence of the thermo-optic coefficient in 4H-SiC and GaN slabs at the wavelength of 1550Ånm. Scientific Reports, 2022, 12, 4809.	1.6	5
56	Pulse height defect in pCVD and scCVD diamond based detectors. Diamond and Related Materials, 2006, 15, 1986-1989.	1.8	4
57	On the CVD Growth of C Nanotubes over Fe-Loaded Montmorillonite Catalysts. Nanomaterials and Nanotechnology, 2011, 1, 15.	1.2	4
58	Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts. Diamond and Related Materials, 2012, 23, 54-60.	1.8	4
59	Microstructure of anatase-based hybrid nanocomposites. Journal Physics D: Applied Physics, 2013, 46, 125303.	1.3	4
60	Cross interference effects between water and NH ₃ on a sensor based on graphene/silicon Schottky diode. , 2015, , .		4
61	Iron-catalyst performances in carbon nanotube growth by chemical vapour deposition. EPJ Applied Physics, 2008, 44, 171-180.	0.3	4
62	Nanocrystalline graphene for ultrasensitive surface-enhanced Raman spectroscopy. Applied Surface Science, 2022, 599, 154035.	3.1	4
63	Analysis of trapping—detrapping defects in high quality single crystal diamond films grown by Chemical Vapor Deposition. Diamond and Related Materials, 2006, 15, 1878-1881.	1.8	3
64	Characterization of homoepitaxial CVD diamond grown at moderate microwave power. Diamond and Related Materials, 2006, 15, 517-521.	1.8	3
65	Characterization of homoepitaxial diamond for ionizing radiation detectors. Journal of Non-Crystalline Solids, 2006, 352, 2575-2579.	1.5	3
66	Optical and structural properties of silicon carbon nitride thin films deposited by reactive pulsed laser ablation. Radiation Effects and Defects in Solids, 2010, 165, 754-759.	0.4	3
67	Fast growth of polycrystalline graphene by chemical vapor deposition of ethanol on copper. , 2014, , .		3
68	Micro-photoluminescence of Carbon Dots Deposited on Twisted Double-Layer Graphene Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2021, 13, 7324-7333.	4.0	3
69	Improving graphene/4H-SiC/graphene MSM UV photodetector sensitivity using interdigitated electrodes formalism and embedded gold plasmonic nanoparticles. Optics and Laser Technology, 2022, 148, 107683.	2.2	3
70	Optical Characterisation of High-Quality Homoepitaxial Diamond. Topics in Applied Physics, 2006, , 345-358.	0.4	2
71	Spectroscopic investigation of homoepitaxial CVD diamond for detection applications. Diamond and Related Materials, 2008, 17, 372-376.	1.8	2
72	Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 1286-1295.	0.9	2

#	ARTICLE	IF	CITATIONS
73	Micro-Raman Analysis of Three-Dimensional Macroporous Sponge-Like Network of Carbon Nanotubes under Tension. Journal of Physical Chemistry C, 2014, 118, 13912-13919.	1.5	2
74	Surface Chemistry and Thermal Stability in Air of Carbon Nanotubes Functionalised via a Novel Eco-Friendly Approach to HNO ₃ Vapor Oxidation. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 83-92.	1.0	2
75	Effect of Working Atmospheres on the Detection of Diacetyl by Resistive SnO ₂ Sensor. Applied Sciences (Switzerland), 2022, 12, 367.	1.3	2
76	Nucleation Process of CVD Diamond on Molybdenum Substrates. , 0, , 329-343.		1
77	Graphene-Si Schottky diode in environmental conditions at low NH ₃ ppm level. , 2014, , .		1
78	Thermo-optic Effect of 4H-silicon Carbide at Fiber-optic Communication Wavelengths. , 2019, , .		0
79	Neuronal Networks: Interactions between Primary Neurons and Graphene Films with Different Structure and Electrical Conductivity (Adv. Funct. Mater. 11/2021). Advanced Functional Materials, 2021, 31, 2170075.	7.8	0
80	Room Temperature Hydrogen Sensor Based on Pt/TiO ₂ /MWCNT Composites. Lecture Notes in Electrical Engineering, 2011, , 87-91.	0.3	0