

# Giovanni De Bellis

## List of Publications by Year in descending order

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45  
papers

1,559  
citations

279798

23  
h-index

302126

39  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphite Nanoplatelets and <i>Caenorhabditis elegans</i> : Insights from an <i>in Vivo</i> Model. Nano Letters, 2012, 12, 2740-2744.	9.1	139
2	Highly conductive multilayer-graphene paper as a flexible lightweight electromagnetic shield. Carbon, 2015, 89, 260-271.	10.3	122
3	Electromagnetic absorbing properties of graphene-polymer composite shields. Carbon, 2014, 73, 175-184.	10.3	113
4	Synthesis, Modeling, and Experimental Characterization of Graphite Nanoplatelet-Based Composites for EMC Applications. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 17-27.	2.2	90
5	Electromagnetic properties of composites containing graphite nanoplatelets at radio frequency. Carbon, 2011, 49, 4291-4300.	10.3	77
6	Graphene-based dental adhesive with anti-biofilm activity. Journal of Nanobiotechnology, 2017, 15, 89.	9.1	69
7	Inhibition of microbial growth by carbon nanotube networks. Nanoscale, 2013, 5, 9023.	5.6	63
8	Nitrogen-doped graphene films from chemical vapor deposition of pyridine: influence of process parameters on the electrical and optical properties. Beilstein Journal of Nanotechnology, 2015, 6, 2028-2038.	2.8	63
9	Zinc oxide microrods and nanorods: different antibacterial activity and their mode of action against Gram-positive bacteria. RSC Advances, 2014, 4, 56031-56040.	3.6	60
10	Zinc Oxide Nanorods-Decorated Graphene Nanoplatelets: A Promising Antimicrobial Agent against the Cariogenic Bacterium Streptococcus mutans. Nanomaterials, 2016, 6, 179.	4.1	59
11	The piezoresistive effect in graphene-based polymeric composites. Nanotechnology, 2013, 24, 465702.	2.6	50
12	Synthesis and characterization of ZnO nanorods with a narrow size distribution. RSC Advances, 2015, 5, 49861-49870.	3.6	49
13	Nucleation effect of unmodified graphene nanoplatelets on PVDF/GNP film composites. Materials Today Communications, 2017, 11, 163-173.	1.9	48
14	Electromagnetic and Dynamic Mechanical Properties of Epoxy and Vinylester-Based Composites Filled with Graphene Nanoplatelets. Polymers, 2016, 8, 272.	4.5	45
15	Cyclododecane as support material for clean and facile transfer of large-area few-layer graphene. Applied Physics Letters, 2014, 105, .	3.3	40
16	Phase Inversion in PVDF Films with Enhanced Piezoresponse Through Spin-Coating and Quenching. Polymers, 2019, 11, 1096.	4.5	39
17	Effect of different carbon nanotubes on cell viability and proliferation. Journal of Physics Condensed Matter, 2007, 19, 395013.	1.8	36
18	The protein scaffold of the lipocalin odorant-binding protein is suitable for the design of new biosensors for the detection of explosive components. Journal of Physics Condensed Matter, 2007, 19, 395012.	1.8	34

#	ARTICLE	IF	CITATIONS
19	Evaluation of the antibacterial power and biocompatibility of zinc oxide nanorods decorated graphene nanoplatelets: new perspectives for antibiodeteriorative approaches. <i>Journal of Nanobiotechnology</i> , 2017, 15, 57.	9.1	31
20	Antibacterial Effect of Zinc Oxide-Based Nanomaterials on Environmental Biodeteriogens Affecting Historical Buildings. <i>Nanomaterials</i> , 2020, 10, 335.	4.1	28
21	Piezoelectric Effect and Electroactive Phase Nucleation in Self-Standing Films of Unpoled PVDF Nanocomposite Films. <i>Nanomaterials</i> , 2018, 8, 743.	4.1	26
22	PFM Characterization of PVDF Nanocomposite Films With Enhanced Piezoelectric Response. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 955-961.	2.0	25
23	3D Porous Graphene Based Aerogel for Electromagnetic Applications. <i>Scientific Reports</i> , 2019, 9, 15719.	3.3	25
24	Piezoelectric Thin Films of ZnO-Nanorods/Nanowalls Grown by Chemical Bath Deposition. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 311-319.	2.0	23
25	Carbon nanotubes on Jurkat cells: effects on cell viability and plasma membrane potential. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 474204.	1.8	22
26	â€œIn vitro toxicity studies of zinc oxide nano- and microrods on mammalian cells: A comparative analysisâ€• <i>Materials Letters</i> , 2016, 179, 90-94.	2.6	22
27	Carbon nanotubes toxicology and effects on metabolism and immunological modification<i>in vitro</i>and<i>in vivo</i>. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 474203.	1.8	20
28	Control of the size and density of ZnO-nanorods grown onto graphene nanoplatelets in aqueous suspensions. <i>RSC Advances</i> , 2016, 6, 83217-83225.	3.6	17
29	Screening Electromagnetic Interference Effect using Nanocomposites. <i>Macromolecular Symposia</i> , 2008, 263, 21-29.	0.7	15
30	Effects of the Ionizing Radiation Disinfection Treatment on Historical Leather. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	14
31	Green Solvents for the Liquid Phase Exfoliation Production of Graphene: The Promising Case of Cyrene. <i>Frontiers in Chemistry</i> , 2022, 10, 878799.	3.6	14
32	Electrical, Mechanical and Electromechanical Properties of Graphene-Thermoset Polymer Composites Produced Using Acetone-DMF Solvents. <i>Polymers</i> , 2018, 10, 82.	4.5	12
33	Borate and Silicate Bioactive Glass Coatings Prepared by Nanosecond Pulsed Laser Deposition. <i>Coatings</i> , 2020, 10, 1105.	2.6	11
34	Surface evaluation of the effect of X-rays irradiation on parchment artefacts through AFM and SEM. <i>Applied Surface Science</i> , 2020, 513, 145881.	6.1	11
35	Electro-Mechanical Properties of Multilayer Graphene-Based Polymeric Composite Obtained through a Capillary Rise Method. <i>Sensors</i> , 2016, 16, 1780.	3.8	10
36	Waterproof Graphene-PVDF Wearable Strain Sensors for Movement Detection in Smart Gloves. <i>Sensors</i> , 2021, 21, 5277.	3.8	10

#	ARTICLE	IF	CITATIONS
37	Graphene Based Wideband Electromagnetic Absorbing Textiles at Microwave Bands. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 710-719.	2.2	8
38	Electrical and Electromechanical Properties of Stretchable Multilayer-Graphene/PDMS Composite Foils. IEEE Nanotechnology Magazine, 2016, 15, 687-695.	2.0	6
39	Piezo-resistive properties of graphene based PVDF composite films for strain sensing. , 2017, , .		4
40	Flexible Graphene Based Polymeric Electrodes for Low Energy Applications. , 2020, , .		3
41	Electromechanical modeling of GNP nanocomposites for stress sensors applications. , 2011, , .		2
42	Piezoresistive Fabric Produced Through PVDF-Graphene Nanocomposite Film Incorporation in Textile Via Screen Printing Technique. , 2019, , .		2
43	Electromagnetic modelling and experimental characterization of carbon-based nanocomposites. , 2011, , .		1
44	Pathway to tailor the phase composition, microstructure and mechanical properties of pulsed laser deposited cobalt-substituted calcium phosphate coatings on titanium. Surface and Coatings Technology, 2022, 437, 128275.	4.8	1
45	Porous Graphene Based PVDF Aerogel Composite for Sweat Sensing Applications. , 2018, , .		0