

Vincenzo Tucci

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4288154/vincenzo-tucci-publications-by-year.pdf>

Version: 2024-04-27

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.

92
papers

1,844
citations

25
h-index

40
g-index

120
ext. papers

2,164
ext. citations

3.4
avg, IF

4.56
L-index

#	Paper	IF	Citations
92	Numerical Evaluation of the Effect of Geometric Tolerances on the High-Frequency Performance of Graphene Field-Effect Transistors. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
91	Self-Sensing Nanocomposites for Structural Applications: Choice Criteria. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
90	Equivalent Electrical Circuit Modeling of CNT-Based Transparent Electrodes. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3408	2.6	
89	Sensitivity analysis of a Graphene Field-Effect Transistors by means of Design of Experiments. <i>Mathematics and Computers in Simulation</i> , 2021 , 183, 187-197	3.3	8
88	Tolerance analysis of a GFET transistor for aerospace and aeronautical application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1024, 012005	0.4	0
87	Damage Monitoring of Structural Resins Loaded with Carbon Fillers: Experimental and Theoretical Study. <i>Nanomaterials</i> , 2020 , 10,	5.4	17
86	Investigation of Electrical Properties of Graphene-Based Nanocomposites Supported by Tunnelling AFM (TUNA). <i>Lecture Notes in Electrical Engineering</i> , 2020 , 375-387	0.2	
85	Flight Path 2050 and ACARE Goals for Maintaining and Extending Industrial Leadership in Aviation: A Map of the Aviation Technology Space.. <i>Sustainability</i> , 2019 , 11, 2065	3.6	7
84	Rheological and electrical behaviour of nanocarbon/poly(lactic) acid for 3D printing applications. <i>Composites Part B: Engineering</i> , 2019 , 167, 467-476	10	39
83	Nanocarbon/Poly(Lactic) Acid for 3D Printing: Effect of Fillers Content on Electromagnetic and Thermal Properties. <i>Materials</i> , 2019 , 12,	3.5	24
82	Electrical Current Map and Bulk Conductivity of Carbon Fiber-Reinforced Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	8
81	Electrical conductivity of carbon nanofiber reinforced resins: Potentiality of Tunneling Atomic Force Microscopy (TUNA) technique. <i>Composites Part B: Engineering</i> , 2018 , 143, 148-160	10	35
80	Experimental and theoretical study on piezoresistive properties of a structural resin reinforced with carbon nanotubes for strain sensing and damage monitoring. <i>Composites Part B: Engineering</i> , 2018 , 145, 90-99	10	59
79	Nanocomposites conductivity point measurement using Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018 , 233, 00022	0.3	
78	Electrical characterization of aeronautical nanocomposites supported by Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018 , 233, 00023	0.3	
77	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. <i>Materials</i> , 2018 , 11,	3.5	23
76	Influence of carbon nanoparticles/epoxy matrix interaction on mechanical, electrical and transport properties of structural advanced materials. <i>Nanotechnology</i> , 2017 , 28, 094001	3.4	57

75	A coarse 3D lattice network modeling electroporation phenomenon in an excitable cell 2017 ,		2
74	A robust approach to the design of an electromagnetic shield based on pyrolytic carbon. <i>AIP Advances</i> , 2016 , 6, 075301	1.5	4
73	Electrical properties of multiphase composites based on carbon nanotubes and an optimized clay content 2016 ,		2
72	Piezoresistive properties of resin reinforced with carbon nanotubes for health-monitoring of aircraft primary structures. <i>Composites Part B: Engineering</i> , 2016 , 107, 192-202	10	101
71	Analysis of the Effects of Hydrotalcite Inclusion on the Temperature-Sensing Properties of CNT-Epoxy Nanocomposites. <i>IEEE Sensors Journal</i> , 2016 , 16, 7977-7985	4	6
70	Correlation between electrical conductivity and manufacturing processes of nanofilled carbon fiber reinforced composites. <i>Composites Part B: Engineering</i> , 2015 , 80, 7-14	10	51
69	Optimization of graphene-based materials outperforming host epoxy matrices. <i>RSC Advances</i> , 2015 , 5, 36969-36978	3.7	61
68	The effect of filler aspect ratio on the electromagnetic properties of carbon-nanofibers reinforced composites. <i>Journal of Applied Physics</i> , 2015 , 118, 064302	2.5	21
67	Effects of thermo-electrical aging on the properties of epoxy-based nanocomposites for motor insulation 2015 ,		3
66	Morphological and electrical characterization of epoxy resin filled with exfoliated graphite 2015 ,		1
65	Effective formulation and processing of nanofilled carbon fiber reinforced composites. <i>RSC Advances</i> , 2015 , 5, 6033-6042	3.7	58
64	Fabrication and Charge Transport Modeling of Thin-Film Transistor Based on Carbon Nanotubes Network. <i>IEEE Nanotechnology Magazine</i> , 2014 , 13, 795-804	2.6	3
63	Evaluation of the bearing voltage and the overshoot phase voltage in PWM inverter-fed by means of a multiconductor transmission line model 2014 ,		1
62	Development of epoxy mixtures for application in aeronautics and aerospace. <i>RSC Advances</i> , 2014 , 4, 15474-15488	3.7	108
61	Simulation and experimental characterization of polymer/carbon nanotubes composites for strain sensor applications. <i>Journal of Applied Physics</i> , 2014 , 116, 054307	2.5	54
60	A morphological and structural approach to evaluate the electromagnetic performances of composites based on random networks of carbon nanotubes. <i>Journal of Applied Physics</i> , 2014 , 115, 154311	2.5	26
59	Enhanced electrical properties of carbon fiber reinforced composites obtained by an effective infusion process 2014 ,		4
58	Feasible industrial fabrication of thin film transistor based on randomized network of single walled carbon nanotubes 2013 ,		1

57	. <i>IEEE Nanotechnology Magazine</i> , 2013 , 12, 696-703	2.6	12
56	nsPEF-induced effects on cell membranes: use of electrophysical model to optimize experimental design. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013 , 20, 1231-1238	2.3	15
55	Numerical investigation on the influence factors of the electrical properties of carbon nanotubes-filled composites. <i>Journal of Applied Physics</i> , 2013 , 113, 244301	2.5	38
54	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. <i>Nanotechnology</i> , 2013 , 24, 305704	3.4	77
53	Improvement of the electrical conductivity in multiphase epoxy-based MWCNT nanocomposites by means of an optimized clay content. <i>Composites Science and Technology</i> , 2013 , 89, 69-76	8.6	30
52	SIMULATION OF THE BEARING VOLTAGE IN AN INVERTER-FED INDUCTION MOTOR BY A FULL THREE PHASE MULTI CONDUCTOR TRANSMISSION LINE MODEL. <i>Progress in Electromagnetics Research B</i> , 2013 , 46, 233-250	0.7	10
51	Pore dynamics induced by nsPEFs: A comparison between experimental and theoretical results 2012 ,		1
50	Robust Design of High-Speed Interconnects Based on an MWCNT. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 799-807	2.6	18
49	Impact of the Variability of the Process Parameters on CNT-Based Nanointerconnects Performances: A Comparison Between SWCNTs Bundles and MWCNT. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 924-933	2.6	25
48	Comparison of the physical properties of epoxy-based composites filled with different types of carbon nanotubes for aeronautic applications. <i>Advances in Polymer Technology</i> , 2012 , 31, 205-218	1.9	34
47	Numerical study of electrical behaviour in carbon nanotube composites. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2012 , 39, 21-27	0.4	15
46	Electrical properties of multi-walled carbon nanotube/tetrafunctional epoxy-amine composites 2012 ,		9
45	Evaluation of the electrical properties of epoxy-based nanocomposites for motor insulation 2011 ,		2
44	Effect of electric field polarization and temperature on the effective permittivity and conductivity of porous anodic aluminium oxide membranes. <i>Microelectronic Engineering</i> , 2011 , 88, 3338-3346	2.5	4
43	Carbon Nanotubes Bundled Interconnects: Design Hints Based on Frequency- and Time-Domain Crosstalk Analyses. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 2702-2711	2.9	6
42	Effect of functionalization on the thermo-mechanical and electrical behavior of multi-wall carbon nanotube/epoxy composites. <i>Carbon</i> , 2011 , 49, 1919-1930	10.4	204
41	Influence of uncertain electrical properties on the conditions for the onset of electroporation in an eukaryotic cell. <i>IEEE Transactions on Nanobioscience</i> , 2010 , 9, 204-12	3.4	11
40	Reliable bounds for the propagation delay in VLSI nano interconnects based on Multi Wall Carbon Nano Tubes 2010 ,		1

39	Cure behavior and physical properties of epoxy resin-filled with multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2686-93	1.3	44
38	Modeling Issues and Performance Analysis of High-Speed Interconnects Based on a Bundle of SWCNT. <i>IEEE Transactions on Electron Devices</i> , 2010 , 57, 1978-1986	2.9	11
37	Dependence of electrical properties of polypropylene isomers on morphology and chain conformation. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 135405	3	8
36	Electromagnetic properties of Carbon NanoTube/epoxy nanocomposites 2009 ,		3
35	Robust Design of Electromagnetic Systems Based on Interval Taylor Extension Applied to a Multiquadric Performance Function. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 1134-1137	2	14
34	Range Analysis on the Wave Propagation Properties of a Single Wall Carbon Nano Tube 2008 ,		4
33	Performances of high-voltage glass insulators subjected to fast transient overvoltages. <i>European Transactions on Electrical Power</i> , 2007 , 6, 119-124		
32	Carbon nanotube induced structural and physical property transitions of syndiotactic polypropylene. <i>Nanotechnology</i> , 2007 , 18, 275703	3.4	39
31	Interval approach to robust design. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2007 , 26, 280-292	0.7	8
30	Performances of dielectric greases for rolling bearings employed in high power induction motors fed by PWM inverters 2007 ,		0
29	An accurate evaluation of electric discharge machining bearings currents in inverter-driven induction motors 2007 ,		7
28	. <i>IEEE Transactions on Energy Conversion</i> , 2004 , 19, 7-17	5.4	42
27	Multiconductor transmission line analysis of steep-front surges in machine windings. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2002 , 9, 467-478	2.3	37
26	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2000 , 42, 39-53	2	17
25	EM fields associated with lightning channels: on the effect of tortuosity and branching. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2000 , 42, 394-404	2	18
24	Interpretation and classification of PD in a HV cryogenic cable termination. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000 , 7, 71-77	2.3	2
23	Temperature distribution along an outdoor insulator subjected to different pollution levels. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000 , 7, 416-423	2.3	10
22	On the effect of anisotropy in nonlinear composite materials for stress grading applications-a numerical study. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2000 , 7, 387-393	2.3	9

21	A Galerkin model to study the field distribution in electrical components employing nonlinear stress grading materials. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 1999 , 6, 765-773	2.3	26
20	Comment on "1-dimensional model for nonlinear stress control in cable terminations" [with reply]. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 1999 , 6, 267-270	2.3	2
19	Partial discharge testing on resin insulated voltage transformers. <i>Electrical Engineering</i> , 1998 , 81, 89-97	1.5	1
18	Field distribution in cable terminations from a quasi-static approximation of the Maxwell equations. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 1996 , 3, 399-409	2.3	21
17	INTERVAL ANALYSIS IN POWER ELECTRONICS. <i>Journal of Circuits, Systems and Computers</i> , 1995 , 05, 317-336	3.3	6
16	. <i>IEEE Transactions on Power Electronics</i> , 1995 , 10, 640-650	7.2	22
15	. <i>IEEE Transactions on Power Electronics</i> , 1994 , 9, 487-496	7.2	26
14	Characterization of the Active Zone for Leader Propagation in SF6 1994 , 105-111		1
13	Fractal characteristics of electrical discharges: experiments and simulation. <i>Journal Physics D: Applied Physics</i> , 1993 , 26, 619-627	3	41
12	Dynamic-mechanical and dielectric characterization of PEEK crystallization. <i>Polymer Engineering and Science</i> , 1990 , 30, 314-320	2.3	35
11	Environmental degradation of the electrical and thermal properties of organic insulating materials. <i>Journal of Materials Science</i> , 1988 , 23, 729-735	4.3	44
10	The effect of the applied field on the electrical properties of metal polymer composites. <i>Polymer Composites</i> , 1988 , 9, 139-143	3	4
9	Partial discharge diagnostics on a HV superconducting model cable		2
8	Numerical evaluation of the electric field in cable terminations equipped with nonlinear grading materials		2
7	Effect of thermal and mechanical stresses on the electrical properties of stress grading materials		5
6	MTL model and FEM package for the evaluation of steep-front surges distribution in machine windings		4
5	Numerical analysis of performances of stress grading cable accessories made of different anisotropic composite materials		2
4	Polarization and depolarization currents in carbon-black loaded polyolefins		2

3	Electrical properties of different composite materials for stress relief in HV cable accessories	14
2		4
1		3