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List of Publications by Year
in descending order

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52 papers	723 citations	623734 14 h-index	552781 26 g-index
53 all docs	53 docs citations	53 times ranked	1033 citing authors

#	Article	IF	Citations
1	Accelerated Testing and Reliability of FDM-Based Structural Electronics. Applied Sciences (Switzerland), 2022, 12, 1110.	2.5	4
2	Carbon Nanotube-Based Composite Filaments for 3D Printing of Structural and Conductive Elements. Applied Sciences (Switzerland), 2021, 11, 1272.	2.5	28
3	Additive Manufacturing of Electronics from Silver Nanopowders Sintered on 3D Printed Lowâ€Temperature Substrates.. Advanced Engineering Materials, 2021, 23, 2001085.	3.5	10
4	Printed Flexible Thermoelectric Nanocomposites Based on Carbon Nanotubes and Polyaniline. Materials, 2021, 14, 4122.	2.9	9
5	Are We Able to Print Components as Strong as Injection Molded?â€"Comparing the Properties of 3D Printed and Injection Molded Components Made from ABS Thermoplastic. Applied Sciences (Switzerland), 2021, 11, 6946.	2.5	10
6	Highly conductive electronics circuits from aerosol jet printed silver inks. Scientific Reports, 2021, 11, 18141.	3.3	26
7	Photonic curing of silver paths on 3D printed polymer substrate. Circuit World, 2019, 45, 9-14.	0.9	2
8	Electrical and rheological percolation threshold of graphene pastes for screen-printing. Circuit World, 2019, 45, 26-30.	0.9	3
9	Conductive Paths and Connections on Polymer Substrates for Structural Electronics. Periodica Polytechnica Electrical Engineering and Computer Science, 2019, 63, 94-98.	1.0	0
10	Heterophase materials for fused filament fabrication of structural electronics. Journal of Materials Science: Materials in Electronics, 2019, 30, 1236-1245.	2.2	21
11	Characterization of PMMA/BaTiO₃ Composite Layers Through Printed Capacitor Structures for Microwave Frequency Applications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1736-1743.	4.6	4
12	Efficient Inkjet Printing of Graphene-Based Elements: Influence of Dispersing Agent on Ink Viscosity. Nanomaterials, 2018, 8, 602.	4.1	41
13	Electrically conductive acrylonitrile butadiene styrene(ABS)/copper composite filament for fused deposition modeling. , 2018, , .		3
14	Rapid prototyping in printed electronics. , 2018, , .		0
15	Aerosol jet printing head for printed microscale electronics. , 2018, , .		0
16	Microwave Characterization of Printed Inductors With Ferrimagnetic BaFe₁₂O₁₉Composite Layers. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	4
17	Noise Properties of Graphene-Polymer Thick-Film Resistors. Metrology and Measurement Systems, 2017, 24, 585-590.	1.4	1
18	Sprayâ€deposited carbonâ€nanotube counterâ€electrodes for dyeâ€sensitized solar cells. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1157-1164.	1.8	10

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19	Graphene-Based Dipole Antenna for a UHF RFID Tag. IEEE Transactions on Antennas and Propagation, 2016, 64, 2862-2868.	5.1	43
20	Aqueous biological graphene based formulations for ink-jet printing. Polish Journal of Chemical Technology, 2016, 18, 46-52.	0.5	1
21	Electric Properties of Graphene-Based Conductive Layers from DC Up To Terahertz Range. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 480-490.	3.1	39
22	Microwave properties of sphere-, flake-, and disc-shaped BaFe12O19 nanoparticle inks for high-frequency applications on printed electronics. Journal of Magnetism and Magnetic Materials, 2016, 419, 218-224.	2.3	8
23	Rheology of inks for various techniques of printed electronics. Advances in Intelligent Systems and Computing, 2016, , 447-451.	0.6	5
24	Simple optical method for recognizing physical parameters of graphene nanoplatelets materials. , 2015, , .		0
25	Graphene-based dipole antenna for a UHF RFID tag. , 2015, , .		6
26	The influence of graphene screen printing paste's composition on its viscosity. Proceedings of SPIE, 2015, , .	0.8	6
27	Detection of subsurface defects and measurement of thickness of screen layers made of graphene and carbon nanotubes with application of full-field optical coherence tomography in Linnik configuration. , 2015, , .		1
28	Graphene electrodes for voltammetric measurements in biological fluids. Circuit World, 2015, 41, 112-115.	0.9	2
29	Influence of electric field on separation and orientation of carbon nanotubes in spray coated layers. Circuit World, 2015, 41, 107-111.	0.9	2
30	Perovskite-type KTaO₃â€“reduced graphene oxide hybrid with improved visible light photocatalytic activity. RSC Advances, 2015, 5, 91315-91325.	3.6	49
31	Transparent Electrodes with Nanotubes and Graphene for Printed Optoelectronic Applications. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	11
32	Screen-Printed Resistive Pressure Sensors Containing Graphene Nanoplatelets and Carbon Nanotubes. Sensors, 2014, 14, 17304-17312.	3.8	50
33	Printed electroluminescent structures for smart cards. , 2014, , .		0
34	Electroluminescent structures with nanomaterials for direct printing of interactive packages and labels. , 2014, , .		2
35	Electroluminescent structures printed on paper and textile elastic substrates. Circuit World, 2014, 40, 13-16.	0.9	36
36	Optical measurements of selected properties of nanocomposite layers with graphene and carbon nanotubes fillers. , 2014, , .		0

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37	Influence of Carbon Nanoparticles Morphology on Physical Properties of Polymer Composites. Acta Physica Polonica A, 2014, 125, 861-863.	0.5	15
38	Radio Frequency Characteristics of Printed Meander Inductors and Interdigital Capacitors. Japanese Journal of Applied Physics, 2013, 52, 05DC08.	1.5	0
39	Influence of electrical stress on printed polymer resistors filled with carbon nanomaterials. Materials Science-Poland, 2013, 31, 548-554.	1.0	0
40	Inkjet-Printed Memristor: Printing Process Development. Japanese Journal of Applied Physics, 2013, 52, 05DB21.	1.5	9
41	Experimental evaluation of ITO, AZO, TiO<inf>2</inf> and CNT compounds as transparent conductive layers for flexible PV structures. , 2013, , .		0
42	Carbon footprint of electronic devices. Proceedings of SPIE, 2013, , .	0.8	5
43	SAC 305 solder paste with carbon nanotubes â€“ part I: investigation of the influence of the carbon nanotubes on the SAC solder paste properties. Soldering and Surface Mount Technology, 2012, 24, 267-279.	1.5	19
44	Comparison of ZnO:Al, ITO and carbon nanotube transparent conductive layers in flexible solar cells applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1292-1298.	3.5	30
45	Printed electroluminescent structures fabricated with metal-free compositions filled with carbon and ceramics nanomaterials. , 2011, , .		0
46	Investigations on printed elastic resistors containing carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2011, 22, 1321-1329.	2.2	11
47	Printed transparent electrodes containing carbon nanotubes for elastic circuits applications with enhanced electrical durability under severe conditions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 358-362.	3.5	15
48	Electrical performance of carbon nanotube-polymer composites at frequencies up to 220 GHz. Applied Physics Letters, 2011, 99, .	3.3	16
49	Flexible Temperature Sensors on Fibers. Sensors, 2010, 10, 7934-7946.	3.8	157
50	Investigation of properties of the SAC solder paste with the silver nanoparticle and carbon nanotube additives and the nano solder joints. , 2010, , .		4
51	Polymer composites based on carbon nanotubes for printed electronics. , 2009, , .		4
52	<title>Multiwalled carbon nanotubes deposition in thick film silver conductor</title>. Proceedings of SPIE, 2007, , .	0.8	1