

Andrzej Rybak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8913871/publications.pdf>

Version: 2024-02-01

46
papers

937
citations

393982

19
h-index

476904

29
g-index

46
all docs

46
docs citations

46
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally Conductive Shape Memory Polymer Composites Filled with Boron Nitride for Heat Management in Electrical Insulation. <i>Polymers</i> , 2021, 13, 2191.	2.0	18
2	Functional Polymer Composite with Core-Shell Ceramic Filler: II. Rheology, Thermal, Mechanical, and Dielectric Properties. <i>Polymers</i> , 2021, 13, 2161.	2.0	15
3	Montmorillonite-triclosan hybrid as effective antibacterial additive with enhanced thermal stability for protection of plastic electrical components. <i>Polymer Bulletin</i> , 2020, 77, 17-31.	1.7	7
4	Monitoring of air voids at plastic-metal interfaces by terahertz radiation. <i>Infrared Physics and Technology</i> , 2020, 104, 103119.	1.3	5
5	Synthesis and characterization of silane based binder for the amorphous metal ribbon. <i>Thin Solid Films</i> , 2020, 716, 138433.	0.8	1
6	Modelling of Effective Thermal Conductivity of Composites Filled with Core-Shell Fillers. <i>Materials</i> , 2020, 13, 5480.	1.3	7
7	Spectroscopic and rheological investigation of candidates for the double-layered binder for amorphous metal ribbon. <i>Journal of Molecular Structure</i> , 2020, 1207, 127763.	1.8	0
8	Processing Influence on Thermal Conductivity of Polymer Nanocomposites. , 2019, , 463-487.		9
9	Highly structured graphene polyethylene nanocomposites. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	9
10	Aluminosilicate-epoxy resin composite as novel material for electrical insulation with enhanced mechanical properties and improved thermal conductivity. <i>Polymer Composites</i> , 2019, 40, 3182-3188.	2.3	26
11	Transient dynamics of a nonlinear magneto-optical rotation. <i>Physical Review A</i> , 2018, 97, .	1.0	10
12	Investigation of the influence of pretreatment parameters on the surface characteristics of amorphous metal for use in power industry. <i>Journal of Molecular Structure</i> , 2018, 1160, 360-367.	1.8	6
13	Graphene nanoplatelet-silica hybrid epoxy composites as electrical insulation with enhanced thermal conductivity. <i>Polymer Composites</i> , 2018, 39, E1682.	2.3	47
14	Epoxy composites with ceramic core-shell fillers for thermal management in electrical devices. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1676-1682.	1.6	26
15	Investigation into Limitation of Arc Erosion in LV Switches Through Application of Hybrid Switching. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 446-453.	0.6	9
16	Two-Step Procedure of Fly Ash Modification as an Alternative Method for Creation of Functional Composite. <i>Journal of Polymers and the Environment</i> , 2017, 25, 1342-1347.	2.4	25
17	Enhanced thermal conductivity of graphene nanoplatelets epoxy composites. <i>Materials Science-Poland</i> , 2017, 35, 382-389.	0.4	46
18	Gas Barrier, Thermal, Mechanical and Rheological Properties of Highly Aligned Graphene-LDPE Nanocomposites. <i>Polymers</i> , 2017, 9, 294.	2.0	54

#	ARTICLE	IF	CITATIONS
19	An Investigation into the Influence of Filler Silanization Conditions on Mechanical and Thermal Parameters of Epoxy Resin-Fly Ash Composites. <i>Journal of Polymers and the Environment</i> , 2016, 24, 298-308.	2.4	29
20	Influence of magnetic field-aided filler orientation on structure and transport properties of ferrite filled composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 419, 345-353.	1.0	15
21	Terahertz Detection of Wavelength-Size Metal Particles in Pressboard Samples. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 99-107.	2.0	13
22	Polymer matrix influence on stability of wood polymer composites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1076-1082.	1.6	25
23	Enhanced thermal conductivity of epoxy matrix composites with hybrid fillers. <i>Polymers for Advanced Technologies</i> , 2015, 26, 26-31.	1.6	57
24	Metal migration at conductor / XLPE interface subjected to partial discharges at different electrical stresses. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015, 22, 456-462.	1.8	4
25	Magnetic-aligned, magnetite-filled epoxy composites with enhanced thermal conductivity. <i>Journal of Materials Science</i> , 2015, 50, 2510-2516.	1.7	35
26	Functional composites with core-shell fillers: I. Particle synthesis and thermal conductivity measurements. <i>Journal of Materials Science</i> , 2015, 50, 7779-7789.	1.7	29
27	Analysis of interfacial metal Migration into dielectric materials subjected to high voltage stress. , 2014, , .		0
28	Correlation between nanostructural, optical, and photoelectrical properties of P3<sc>HT</sc>:<sc>S</sc>i<sc>NW</sc> nanocomposites for solar cell application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 670-676.	0.8	5
29	Modification of epoxy anhydride thermosets with a hyperbranched poly(ester amide). II. Thermal, dynamic mechanical, and dielectric properties and thermal reworkability. <i>Journal of Applied Polymer Science</i> , 2013, 128, 4001-4013.	1.3	17
30	Migration effects at conductor / XLPE interface subjected to partial discharges at different electrical stresses. , 2013, , .		0
31	Interaction of conductor with polymeric materials (XLPE/EPR) at partial discharges. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2012, 19, 2119-2127.	1.8	25
32	Silicon Nanowire/P3HT Hybrid Solar Cells: Effect of the Electron Localization at Wire Nanodiameters. <i>Energy Procedia</i> , 2012, 31, 136-143.	1.8	17
33	Comparison of PWM and SIN aging of insulating material subjected to surface discharges. , 2012, , .		5
34	Hybrid films based on silicon nanowires dispersed in a semiconducting polymer for thin film solar cells: Opportunities and new challenges. <i>Synthetic Metals</i> , 2012, 161, 2623-2627.	2.1	4
35	Modification of epoxy anhydride thermosets using a hyperbranched poly(ester amide): I. Kinetic study. <i>Polymer International</i> , 2012, 61, 1710-1725.	1.6	37
36	The influence of different conductors on insulating materials degradation by partial discharges. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
37	Photogeneration of free charge carriers in tenuously packed π -conjugated polymer chains. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2075-2083.	1.6	6
38	Conductive polymer composites based on metallic nanofiller as smart materials for current limiting devices. <i>Composites Science and Technology</i> , 2010, 70, 410-416.	3.8	114
39	Hybrid polymer/TiO ₂ films by in situ hydrolysis condensation of titanium alkoxide precursors for photovoltaic transparent windows. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1627-1630.	0.8	2
40	Synthesis of polystyrene coated SiC nanowires as fillers in a polyurethane matrix for electromechanical conversion. <i>Nanotechnology</i> , 2010, 21, 145610.	1.3	21
41	Electrical and thermomechanical properties of segregated nanocomposites based on PVC and multiwalled carbon nanotubes. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 635-641.	1.5	51
42	Photogeneration and photovoltaic effect in poly(N-vinylcarbazole):TiO ₂ bulk-heterojunction elaborated by hydrolysis-condensation reactions of TiO ₂ precursors. <i>Synthetic Metals</i> , 2009, 159, 508-512.	2.1	13
43	Influence of molecular order on charge carrier photogeneration in perylene derivative layer. <i>Thin Solid Films</i> , 2008, 516, 4201-4207.	0.8	12
44	Charge carrier transport in layers of discotic liquid crystals as studied by transient photocurrents. <i>Synthetic Metals</i> , 2006, 156, 302-309.	2.1	22
45	Photogeneration and photovoltaic effect in blends of derivatives of hexabenzocoronene and perylene. <i>Synthetic Metals</i> , 2005, 155, 150-156.	2.1	31
46	Photogeneration and transport in thin films of p- and n-type discotic liquid crystals. <i>Synthetic Metals</i> , 2003, 137, 905-906.	2.1	23