

Abderrahim Boudenne

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9002599/abderrahim-boudenne-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.

59
papers

2,310
citations

23
h-index

47
g-index

62
ext. papers

2,602
ext. citations

4.1
avg, IF

4.83
L-index

#	Paper	IF	Citations
59	Sensitivity analysis of transient heat and moisture transfer in a bio-based date palm concrete wall. <i>Building and Environment</i> , 2021 , 202, 108019	6.5	3
58	Thermal and electrical properties of phenol formaldehyde foams reinforcing with reduced graphene oxide. <i>Polymer Composites</i> , 2020 , 41, 4329-4339	3	5
57	Study on the Durability of New Construction Materials Based on Mortar Reinforced with Date Palm Fibers Wastes. <i>Waste and Biomass Valorization</i> , 2020 , 11, 3801-3809	3.2	9
56	Experimental investigation on hygrothermal performance of a bio-based wall made of cement mortar filled with date palm fibers. <i>Energy and Buildings</i> , 2019 , 202, 109413	7	11
55	Numerical modelling and experimental study of heat and moisture properties of a wall based on date palm fibers concrete. <i>E3S Web of Conferences</i> , 2019 , 85, 02009	0.5	4
54	Investigation on heat and moisture transfer in bio-based building wall with consideration of the hysteresis effect. <i>Building and Environment</i> , 2019 , 163, 106333	6.5	14
53	Dataset on the hygrothermal performance of a date palm concrete wall. <i>Data in Brief</i> , 2019 , 27, 104590	1.2	3
52	Thermophysical characterization of polymers according to the temperature using a periodic method. <i>Polymer Testing</i> , 2018 , 66, 235-243	4.5	6
51	Tensile properties, thermal conductivity, and thermal stability of short carbon fiber reinforced polypropylene composites. <i>Polymer Composites</i> , 2018 , 39, E664-E670	3	32
50	Hygrothermal study of mortar with date palm fiber reinforcement 2018 ,		1
49	Hygrothermal characterization of a new bio-based construction material: Concrete reinforced with date palm fibers. <i>Construction and Building Materials</i> , 2018 , 192, 348-356	6.7	32
48	Experimental and modeling study of effective thermal conductivity of polymer filled with date palm fibers. <i>Polymer Composites</i> , 2017 , 38, 1712-1719	3	12
47	Hygric properties and thermal conductivity of a new insulation material for building based on date palm concrete. <i>Construction and Building Materials</i> , 2017 , 154, 963-971	6.7	63
46	Use of hollow metallic particles for the thermal conductivity enhancement and lightening of filled polymer. <i>Polymer Degradation and Stability</i> , 2016 , 127, 113-118	4.7	8
45	Improvement of thermal and electrical properties of Silicone/ili composites using magnetic field. <i>European Polymer Journal</i> , 2015 , 63, 11-19	5.2	30
44	Unconventional experimental technologies used for phase change materials (PCM) characterization: part 2 [morphological and structural characterization, physico-chemical stability and mechanical properties. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 1415-1426	16.2	22
43	Controlled Emissivity Coatings to Delay Ignition of Polyethylene. <i>Materials</i> , 2015 , 8, 6935-6949	3.5	11

42	Numerical Investigation of Heat Transfer of Silver-Coated Glass Particles Dispersed in Ethylene Vinyl Acetate Matrix. <i>International Journal of Thermophysics</i> , 2014 , 35, 1803-1816	2.1	5
41	Thermal and mechanical performance of natural mortar reinforced with date palm fibers for use as insulating materials in building. <i>Energy and Buildings</i> , 2014 , 81, 98-104	7	176
40	Significant enhancement of electrical and thermal conductivities of polyethylene carbon nanotube composites by the addition of a low amount of silver nanoparticles. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 1054-1059	3.2	11
39	Electrical and thermal properties of polyethylene/silver nanoparticle composites. <i>Polymer Composites</i> , 2013 , 34, 778-786	3	47
38	Experimental investigation of new biocomposite with low cost for thermal insulation. <i>Energy and Buildings</i> , 2013 , 66, 267-273	7	124
37	Numerical modelling of the effective thermal conductivity of heterogeneous materials. <i>Journal of Thermoplastic Composite Materials</i> , 2013 , 26, 336-345	1.9	22
36	Analytical and Numerical Investigation on Effective Thermal Conductivity of Polymer Composites Filled with Conductive Hollow Particles. <i>International Journal of Thermophysics</i> , 2013 , 34, 101-112	2.1	11
35	The mechanical and adhesive properties of electrically and thermally conductive polymeric composites based on high density polyethylene filled with nickel powder. <i>Materials & Design</i> , 2013 , 51, 620-628		64
34	Effect of filler size on thermophysical and electrical behavior of nanocomposites based on expanded graphite nanoparticles filled in low-density polyethylene matrix. <i>Polymer Composites</i> , 2013 , 34, 149-155	3	37
33	Metallic Particle-Filled Polymer Microcomposites 2012 , 575-612		4
32	Thermophysical and mechanical properties of TiO ₂ and silica nanoparticle-filled natural rubber composites. <i>Journal of Elastomers and Plastics</i> , 2012 , 44, 369-382	1.6	14
31	Transport properties of polyester composite reinforced with treated sisal fibers. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 117-127	2.9	18
30	Thermophysical and Thermal Expansion Properties 2012 , 1		0
29	Effect of amphiphilic coupling agent on heat flow and dielectric properties of flax/polypropylene composites. <i>Composites Part B: Engineering</i> , 2012 , 43, 526-532	10	16
28	Thermal Conductivity of Polymer/Carbon Nanotube Composites. <i>Materials Science Forum</i> , 2012 , 714, 99-113	0.4	6
27	Development of Bio-Composites Based of Polymer Matrix and Keratin Fibers: Contribution to Poultry Biomass Recycling. <i>Materials Science Forum</i> , 2012 , 714, 237-243	0.4	2
26	Mechanical Properties and Morphology of Composites Based on the EVA Copolymer Filled with Expanded Graphite. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 1388-1393		10
25	Thermophysical Properties of Multiphase Polymer Systems 2011 , 387-423		4

24	Mechanical and thermophysical properties of EVA copolymer filled with nickel particles. <i>Polymer Composites</i> , 2011 , 32, 727-736	3	12
23	Mechanical, thermophysical, and diffusion properties of TiO ₂ -filled chlorobutyl rubber composites. <i>Polymer Composites</i> , 2011 , 32, 1681-1687	3	27
22	Renewable materials to reduce building heat loss: Characterization of date palm wood. <i>Energy and Buildings</i> , 2011 , 43, 491-497	7	189
21	Physical, Thermophysical and Interfacial Properties of Multiphase Polymer Systems: State of the Art, New Challenges and Opportunities 2011 , 1-12		3
20	A simultaneous characterization and uncertainty analysis of thermal conductivity and diffusivity of bio-insulate material "Palm date Wood" obtained from a periodic method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 13, 012015	0.4	5
19	Recent Advances in Green Composites. <i>Key Engineering Materials</i> , 2010 , 425, 107-166	0.4	18
18	Thermophysical and Electrical Properties of Nanocomposites Based on EthyleneVinylacetate Copolymer (EVA) Filled with Expanded and Unexpanded Graphite. <i>International Journal of Thermophysics</i> , 2010 , 31, 936-948	2.1	24
17	Thermophysical properties of CTBN and HTPB liquid rubber modified epoxy blends. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	9
16	Effect of fiber loading and chemical treatments on thermophysical properties of banana fiber/polypropylene commingled composite materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2008 , 39, 1582-1588	8.4	210
15	Mechanical and thermal properties of polycarbonate, part 1: Influence of free quenching. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1505-1514	2.9	9
14	Electrical and thermophysical behaviour of PVC-MWCNT nanocomposites. <i>Composites Science and Technology</i> , 2008 , 68, 1981-1988	8.6	194
13	Electrical, mechanical and adhesive properties of ethylene-vinylacetate copolymer (EVA) filled with wollastonite fibers coated by silver. <i>European Polymer Journal</i> , 2008 , 44, 3827-3834	5.2	30
12	Thermophysical properties of ethyleneVinylacetate copolymer (EVA) filled with wollastonite fibers coated by silver. <i>European Polymer Journal</i> , 2008 , 44, 3817-3826	5.2	12
11	Mechanical and thermal properties of polycarbonate. II. Influence of titanium dioxide content and quenching on pigmented polycarbonate. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 2710-2717	2.9	9
10	Thermophysical properties of polyethylene filled with metal coated polyamide particles. <i>European Polymer Journal</i> , 2007 , 43, 2443-2452	5.2	38
9	Parametric estimation of thermoradiative properties of materials based on harmonic excitation. <i>Review of Scientific Instruments</i> , 2006 , 77, 035106	1.7	3
8	Infrared emissivity measurement device: principle and applications. <i>Measurement Science and Technology</i> , 2006 , 17, 2950-2956	2	36
7	Analysis of uncertainties in thermophysical parameters of materials obtained from a periodic method. <i>Measurement Science and Technology</i> , 2006 , 17, 1870-1876	2	32

6	Thermophysical properties of natural fibre reinforced polyester composites. <i>Composites Science and Technology</i> , 2006 , 66, 2719-2725	8.6	235
5	Electrical and thermal behavior of polypropylene filled with copper particles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005 , 36, 1545-1554	8.4	188
4	Anomalous behavior of thermal conductivity and diffusivity in polymeric materials filled with metallic particles. <i>Journal of Materials Science</i> , 2005 , 40, 4163-4167	4.3	29
3	Thermophysical properties of polypropylene/aluminum composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 722-732	2.6	78
2	A simultaneous characterization of thermal conductivity and diffusivity of polymer materials by a periodic method. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 132-139	3	65
1	Temperature and liquid crystal concentration effect on thermal conductivity of poly(styrene) dispersed 5CB liquid crystal. <i>Journal of Applied Polymer Science</i> , 2003 , 89, 481-486	2.9	18