

# Abderrahim Boudenne

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9002599/abderrahim-boudenne-publications-by-citations.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	Thermophysical properties of natural fibre reinforced polyester composites. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 2719-2725	8.6	235
58	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> , <b>2008</b> , 39, 1582-1588	8.4	210
57	Electrical and thermophysical behaviour of PVC-MWCNT nanocomposites. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 1981-1988	8.6	194
56	Renewable materials to reduce building heat loss: Characterization of date palm wood. <i>Energy and Buildings</i> , <b>2011</b> , 43, 491-497	7	189
55	Electrical and thermal behavior of polypropylene filled with copper particles. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 1545-1554	8.4	188
54	Thermal and mechanical performance of natural mortar reinforced with date palm fibers for use as insulating materials in building. <i>Energy and Buildings</i> , <b>2014</b> , 81, 98-104	7	176
53	Experimental investigation of new biocomposite with low cost for thermal insulation. <i>Energy and Buildings</i> , <b>2013</b> , 66, 267-273	7	124
52	Thermophysical properties of polypropylene/aluminum composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 722-732	2.6	78
51	A simultaneous characterization of thermal conductivity and diffusivity of polymer materials by a periodic method. <i>Journal Physics D: Applied Physics</i> , <b>2004</b> , 37, 132-139	3	65
50	The mechanical and adhesive properties of electrically and thermally conductive polymeric composites based on high density polyethylene filled with nickel powder. <i>Materials &amp; Design</i> , <b>2013</b> , 51, 620-628		64
49	Hygic properties and thermal conductivity of a new insulation material for building based on date palm concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 154, 963-971	6.7	63
48	Electrical and thermal properties of polyethylene/silver nanoparticle composites. <i>Polymer Composites</i> , <b>2013</b> , 34, 778-786	3	47
47	Thermophysical properties of polyethylene filled with metal coated polyamide particles. <i>European Polymer Journal</i> , <b>2007</b> , 43, 2443-2452	5.2	38
46	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> , <b>2013</b> , 34, 149-155	3	37
45	Infrared emissivity measurement device: principle and applications. <i>Measurement Science and Technology</i> , <b>2006</b> , 17, 2950-2956	2	36
44	Tensile properties, thermal conductivity, and thermal stability of short carbon fiber reinforced polypropylene composites. <i>Polymer Composites</i> , <b>2018</b> , 39, E664-E670	3	32
43	Analysis of uncertainties in thermophysical parameters of materials obtained from a periodic method. <i>Measurement Science and Technology</i> , <b>2006</b> , 17, 1870-1876	2	32

42	Hygrothermal characterization of a new bio-based construction material: Concrete reinforced with date palm fibers. <i>Construction and Building Materials</i> , <b>2018</b> , 192, 348-356	6.7	32
41	Improvement of thermal and electrical properties of Silicone/ni composites using magnetic field. <i>European Polymer Journal</i> , <b>2015</b> , 63, 11-19	5.2	30
40	Electrical, mechanical and adhesive properties of ethylene-vinylacetate copolymer (EVA) filled with wollastonite fibers coated by silver. <i>European Polymer Journal</i> , <b>2008</b> , 44, 3827-3834	5.2	30
39	Anomalous behavior of thermal conductivity and diffusivity in polymeric materials filled with metallic particles. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 4163-4167	4.3	29
38	Mechanical, thermophysical, and diffusion properties of TiO <sub>2</sub> -filled chlorobutyl rubber composites. <i>Polymer Composites</i> , <b>2011</b> , 32, 1681-1687	3	27
37	Thermophysical and Electrical Properties of Nanocomposites Based on Ethylene/Vinylacetate Copolymer (EVA) Filled with Expanded and Unexpanded Graphite. <i>International Journal of Thermophysics</i> , <b>2010</b> , 31, 936-948	2.1	24
36	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> , <b>2015</b> , 43, 1415-1426	16.2	22
35	Numerical modelling of the effective thermal conductivity of heterogeneous materials. <i>Journal of Thermoplastic Composite Materials</i> , <b>2013</b> , 26, 336-345	1.9	22
34	Transport properties of polyester composite reinforced with treated sisal fibers. <i>Journal of Reinforced Plastics and Composites</i> , <b>2012</b> , 31, 117-127	2.9	18
33	Recent Advances in Green Composites. <i>Key Engineering Materials</i> , <b>2010</b> , 425, 107-166	0.4	18
32	Temperature and liquid crystal concentration effect on thermal conductivity of poly(styrene) dispersed 5CB liquid crystal. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 481-486	2.9	18
31	Effect of amphiphilic coupling agent on heat flow and dielectric properties of flax/polypropylene composites. <i>Composites Part B: Engineering</i> , <b>2012</b> , 43, 526-532	10	16
30	Investigation on heat and moisture transfer in bio-based building wall with consideration of the hysteresis effect. <i>Building and Environment</i> , <b>2019</b> , 163, 106333	6.5	14
29	Thermophysical and mechanical properties of TiO <sub>2</sub> and silica nanoparticle-filled natural rubber composites. <i>Journal of Elastomers and Plastics</i> , <b>2012</b> , 44, 369-382	1.6	14
28	Experimental and modeling study of effective thermal conductivity of polymer filled with date palm fibers. <i>Polymer Composites</i> , <b>2017</b> , 38, 1712-1719	3	12
27	Mechanical and thermophysical properties of EVA copolymer filled with nickel particles. <i>Polymer Composites</i> , <b>2011</b> , 32, 727-736	3	12
26	Thermophysical properties of ethylene/vinylacetate copolymer (EVA) filled with wollastonite fibers coated by silver. <i>European Polymer Journal</i> , <b>2008</b> , 44, 3817-3826	5.2	12
25	Experimental investigation on hygrothermal performance of a bio-based wall made of cement mortar filled with date palm fibers. <i>Energy and Buildings</i> , <b>2019</b> , 202, 109413	7	11

24	Analytical and Numerical Investigation on Effective Thermal Conductivity of Polymer Composites Filled with Conductive Hollow Particles. <i>International Journal of Thermophysics</i> , <b>2013</b> , 34, 101-112	2.1	11
23	Controlled Emissivity Coatings to Delay Ignition of Polyethylene. <i>Materials</i> , <b>2015</b> , 8, 6935-6949	3.5	11
22	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> , <b>2014</b> , 25, 1054-1059	3.2	11
21	Mechanical Properties and Morphology of Composites Based on the EVA Copolymer Filled with Expanded Graphite. <i>Polymer-Plastics Technology and Engineering</i> , <b>2012</b> , 51, 1388-1393		10
20	Thermophysical properties of CTBN and HTPB liquid rubber modified epoxy blends. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 116, NA-NA	2.9	9
19	Mechanical and thermal properties of polycarbonate. II. Influence of titanium dioxide content and quenching on pigmented polycarbonate. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 2710-2717	2.9	9
18	Mechanical and thermal properties of polycarbonate, part 1: Influence of free quenching. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 109, 1505-1514	2.9	9
17	Study on the Durability of New Construction Materials Based on Mortar Reinforced with Date Palm Fibers Wastes. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 3801-3809	3.2	9
16	Use of hollow metallic particles for the thermal conductivity enhancement and lightening of filled polymer. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 127, 113-118	4.7	8
15	Thermophysical characterization of polymers according to the temperature using a periodic method. <i>Polymer Testing</i> , <b>2018</b> , 66, 235-243	4.5	6
14	Thermal Conductivity of Polymer/Carbon Nanotube Composites. <i>Materials Science Forum</i> , <b>2012</b> , 714, 99-113	0.4	6
13	Numerical Investigation of Heat Transfer of Silver-Coated Glass Particles Dispersed in Ethylene Vinyl Acetate Matrix. <i>International Journal of Thermophysics</i> , <b>2014</b> , 35, 1803-1816	2.1	5
12	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> , <b>2010</b> , 13, 012015	0.4	5
11	Thermal and electrical properties of phenol formaldehyde foams reinforcing with reduced graphene oxide. <i>Polymer Composites</i> , <b>2020</b> , 41, 4329-4339	3	5
10	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> , <b>2019</b> , 85, 02009	0.5	4
9	Metallic Particle-Filled Polymer Microcomposites <b>2012</b> , 575-612		4
8	Thermophysical Properties of Multiphase Polymer Systems <b>2011</b> , 387-423		4
7	Dataset on the hygrothermal performance of a date palm concrete wall. <i>Data in Brief</i> , <b>2019</b> , 27, 104590	1.2	3

6	Physical, Thermophysical and Interfacial Properties of Multiphase Polymer Systems: State of the Art, New Challenges and Opportunities <b>2011</b> , 1-12		3
5	Parametric estimation of thermoradiative properties of materials based on harmonic excitation. <i>Review of Scientific Instruments</i> , <b>2006</b> , 77, 035106	1.7	3
4	Sensitivity analysis of transient heat and moisture transfer in a bio-based date palm concrete wall. <i>Building and Environment</i> , <b>2021</b> , 202, 108019	6.5	3
3	Development of Bio-Composites Based of Polymer Matrix and Keratin Fibers: Contribution to Poultry Biomass Recycling. <i>Materials Science Forum</i> , <b>2012</b> , 714, 237-243	0.4	2
2	Hygrothermal study of mortar with date palm fiber reinforcement <b>2018</b> ,		1
1	Thermophysical and Thermal Expansion Properties <b>2012</b> , 1		0