

Jose Daniel Diniz Melo

List of Publications by Year in descending order

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papers

862
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567281

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all docs

34
docs citations

34
times ranked

828
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerated aging effects on carbon fiber/epoxy composites. Composites Part B: Engineering, 2017, 110, 298-306.	12.0	164
2	An invariant-based theory of composites. Composites Science and Technology, 2014, 100, 237-243.	7.8	94
3	Time and temperature dependence of the viscoelastic properties of CFRP by dynamic mechanical analysis. Composite Structures, 2005, 70, 240-253.	5.8	70
4	Time and temperature dependence of carbon/epoxy interface strength. Composites Science and Technology, 2010, 70, 1395-1400.	7.8	64
5	A unit circle failure criterion for carbon fiber reinforced polymer composites. Composites Science and Technology, 2016, 123, 71-78.	7.8	41
6	Viscoelastic Characterization of Transversely Isotropic Composite Laminae. Journal of Composite Materials, 2003, 37, 129-145.	2.4	39
7	Extraction and Characterization of Cellulosic Nanowhisker Obtained from Discarded Cotton Fibers. Materials Today: Proceedings, 2015, 2, 1-7.	1.8	39
8	The effect of processing conditions on the energy absorption capability of composite tubes. Composite Structures, 2008, 82, 622-628.	5.8	25
9	Effects of thermal and chemical treatments on physical properties of kaolinite. Ceramics International, 2010, 36, 33-38.	4.8	25
10	A novel invariant-based design approach to carbon fiber reinforced laminates. Composite Structures, 2017, 159, 44-52.	5.8	23
11	Trace-based stiffness for a universal design of carbon-fiber reinforced composite structures. Composites Science and Technology, 2015, 118, 23-30.	7.8	22
12	Effect of cold plasma treatment on recycled polyethylene/kapok composites interface adhesion. Composite Interfaces, 2019, 26, 871-886.	2.3	21
13	Magnetic properties of polymer matrix composites with embedded ferrite particles. NDT and E International, 2016, 77, 42-48.	3.7	17
14	Effects of an Open Hole on the Biaxial Strengths of Composite Laminates. Journal of Composite Materials, 2010, 44, 2429-2445.	2.4	16
15	Encapsulation of solvent into halloysite nanotubes to promote self-healing ability in polymers. Advanced Composite Materials, 2014, 23, 507-519.	1.9	16
16	Thermal and chemical treatments of montmorillonite clay. Ceramics International, 2013, 39, 5063-5067.	4.8	15
17	Composites from recycled polyethylene and plasma treated kapok fibers. Cellulose, 2020, 27, 2115-2134.	4.9	15
18	Evaluation of Notched Strength of Composite Laminates for Structural Design. Journal of Composite Materials, 2010, 44, 2381-2392.	2.4	14

#	ARTICLE	IF	CITATIONS
19	Determination of the Elastic Constants of a Transversely Isotropic Lamina Using Laminate Coefficients of Thermal Expansion. <i>Journal of Composite Materials</i> , 2002, 36, 1321-1329.	2.4	13
20	Time and Temperature Dependence of the Viscoelastic Properties of PEEK/IM7. <i>Journal of Composite Materials</i> , 2004, 38, 1815-1830.	2.4	12
21	Influence of synthesis parameters on properties and characteristics of poly (urea-formaldehyde) microcapsules for self-healing applications. <i>Journal of Microencapsulation</i> , 2019, 36, 410-419.	2.8	12
22	Mechanical and Microstructural Evaluation of Polymer Matrix Composites Filled with Recycled Industrial Waste. <i>Journal of Reinforced Plastics and Composites</i> , 2009, 28, 2459-2471.	3.1	11
23	Effect of fiber volume fraction on the energy absorption capacity of composite materials. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 153-161.	3.1	11
24	Long-term creep-rupture failure envelope of epoxy. <i>Mechanics of Time-Dependent Materials</i> , 2014, 18, 113-121.	4.4	8
25	Accelerated aging effects in composites used as repair for pipes in oil industry. <i>Polymer Composites</i> , 2021, 42, 5918-5929.	4.6	8
26	Mechanical Evaluation of Polymer Composite Hip Protectors. <i>International Journal of Biomaterials</i> , 2010, 2010, 1-6.	2.4	7
27	Viscoelastic Properties of PEEK-IM7 Related to Temperature. <i>Journal of Reinforced Plastics and Composites</i> , 2005, 24, 545-556.	3.1	5
28	High Energy Mill Processing of Polymer Based Nanocomposites. <i>Journal of Composite Materials</i> , 2008, 42, 2363-2375.	2.4	3
29	Addition of magnetic markers for non-destructive evaluation of polymer composites. <i>Materials Research</i> , 2011, 14, 508-513.	1.3	1
30	Evaluation of the synthesis variables' effect on the properties of PUF/ENB microcapsules using experimental design. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	1
31	The role of poly (ethylene-co-methacrylic acid) (EMAA) on cure kinetics and thermomechanical properties of epoxy. <i>Polymer Bulletin</i> , 0, , 1.	3.3	1
32	Sub-Scale Testing for Strength and Creep-Rupture of Polymers. <i>Journal of Testing and Evaluation</i> , 2015, 43, 20130123.	0.7	0