Materials for Wind Turbine Blades: An Overview - DTU Orbit (14/12/2018)

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A short overview of composite materials for wind turbine applications is presented here. Requirements toward the wind turbine materials, loads, as well as available materials are reviewed. Apart from the traditional composites for wind turbine blades (glass fibers/epoxy matrix composites), natural composites, hybrid and nanoengineered composites are discussed. Manufacturing technologies for wind turbine composites, as well their testing and modelling approaches are reviewed.

General information
State: Published
Contributors: Mishnaevsky, L., Branner, K., Petersen, H. N., Beauson, J., McGugan, M., Sørensen, B. F.
Number of pages: 24
Publication date: 2017
Peer-reviewed: Yes

Publication information
Journal: Materials
Volume: 10
Issue number: 11
ISSN (Print): 1996-1944
Ratings:
Web of Science (2018): Indexed yes
Scopus rating (2017): CiteScore 3.02 SJR 0.732 SNIP 1.285
Web of Science (2017): Impact factor 2.467
Web of Science (2017): Indexed yes
Scopus rating (2016): CiteScore 3.26 SJR 0.838 SNIP 1.495
Web of Science (2016): Impact factor 2.654
Web of Science (2016): Indexed yes
Scopus rating (2015): CiteScore 3.11 SJR 0.83 SNIP 1.457
Web of Science (2015): Impact factor 2.728
Scopus rating (2014): CiteScore 2.69 SJR 0.767 SNIP 1.229
Web of Science (2014): Impact factor 2.651
Web of Science (2014): Indexed yes
Scopus rating (2013): CiteScore 3.12 SJR 1.001 SNIP 1.631
Web of Science (2013): Impact factor 1.879
ISI indexed (2013): ISI indexed yes
Scopus rating (2012): SJR 0.841 SNIP 1.465
Web of Science (2012): Impact factor 2.247
ISI indexed (2012): ISI indexed no
Scopus rating (2011): SJR 0.651 SNIP 1.212
Web of Science (2011): Impact factor 1.677
ISI indexed (2011): ISI indexed no
Web of Science (2011): Indexed yes
Scopus rating (2010): SJR 0.392 SNIP 0.981
Original language: English
Electronic versions:
materials_10_01285.pdf
DOIs:
10.3390/ma10111285
Source: FindIt
Source-ID: 2392851207
Research output: Research - peer-review › Journal article – Annual report year: 2017