

Mael Arhant

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/415972/publications.pdf>

Version: 2024-02-01

21
papers

439
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of hydrolytic degradation on mechanical properties of PET - Towards an understanding of microplastics formation. <i>Polymer Degradation and Stability</i> , 2019, 161, 175-182.	5.8	85
2	Effect of sea water and humidity on the tensile and compressive properties of carbon-polyamide 6 laminates. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 91, 250-261.	7.6	73
3	Yield stress changes induced by water in polyamide 6: Characterization and modeling. <i>Polymer Degradation and Stability</i> , 2017, 137, 272-280.	5.8	60
4	Modelling the non Fickian water absorption in polyamide 6. <i>Polymer Degradation and Stability</i> , 2016, 133, 404-412.	5.8	45
5	Fatigue behavior of natural rubber in marine environment: Comparison between air and sea water. <i>Materials & Design</i> , 2015, 65, 462-467.	5.1	26
6	Fatigue Behaviour of Acrylic Matrix Composites: Influence of Seawater. <i>Applied Composite Materials</i> , 2019, 26, 507-518.	2.5	24
7	Modelling pure polyamide 6 hydrolysis: Influence of water content in the amorphous phase. <i>Polymer Degradation and Stability</i> , 2021, 183, 109435.	5.8	21
8	Carbon/polyamide 6 thermoplastic composite cylinders for deep sea applications. <i>Composite Structures</i> , 2019, 212, 535-546.	5.8	19
9	Fatigue of improved polyamide mooring ropes for floating wind turbines. <i>Ocean Engineering</i> , 2020, 199, 107011.	4.3	18
10	Residual Strains using Integrated Continuous Fiber Optic Sensing in Thermoplastic Composites and Structural Health Monitoring. <i>Experimental Mechanics</i> , 2018, 58, 167-176.	2.0	16
11	Thermoplastic matrix composites for marine applications. , 2019, , 31-53.		14
12	A study of pure hydrolysis of carbon fibre reinforced polyamide 6 composites tested under mode I loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 152, 106719.	7.6	9
13	Seawater ageing of infused flax fibre reinforced acrylic composites. <i>Composites Part C: Open Access</i> , 2022, 8, 100246.	3.2	9
14	Fracture test to accelerate the prediction of polymer embrittlement during aging “ Case of PET hydrolysis. <i>Polymer Degradation and Stability</i> , 2022, 196, 109848.	5.8	6
15	Fatigue crack growth properties of carbon-polyamide 6 thermoplastic composites using a multi- \hat{T} C control method. <i>Engineering Fracture Mechanics</i> , 2021, 252, 107825.	4.3	4
16	Marine Ageing Behaviour of New Environmentally Friendly Composites. <i>Solid Mechanics and Its Applications</i> , 2018, , 225-237.	0.2	3
17	Improved Bend Over Sheave Durability of HMPE Ropes for Deep Sea Handling. , 2018, ,		3
18	Fatigue of polyamide mooring ropes for floating wind turbines. <i>MATEC Web of Conferences</i> , 2018, 165, 10002.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Mechanical Behaviour of Composites Reinforced by Bamboo Strips, Influence of Seawater Aging. Revue Des Composites Et Des Materiaux Avances, 2019, 29, 209-214.	0.6	1
20	Prediction of mechanical property loss in polyamide during immersion in sea water. AIP Conference Proceedings, 2016, , .	0.4	0
21	Durability of Polymers and Composites: The Key to Reliable Marine Renewable Energy Production. , 2018, , .		0