

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	A study of pure hydrolysis of carbon fibre reinforced polyamide 6 composites tested under mode I loading. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106719.	7.6	9
2	Fracture test to accelerate the prediction of polymer embrittlement during aging – Case of PET hydrolysis. Polymer Degradation and Stability, 2022, 196, 109848.	5.8	6
3	Seawater ageing of infused flax fibre reinforced acrylic composites. Composites Part C: Open Access, 2022, 8, 100246.	3.2	9
4	Modelling pure polyamide 6 hydrolysis: Influence of water content in the amorphous phase. Polymer Degradation and Stability, 2021, 183, 109435.	5.8	21
5	Fatigue crack growth properties of carbon-polyamide 6 thermoplastic composites using a multi- \hat{T} G control method. Engineering Fracture Mechanics, 2021, 252, 107825.	4.3	4
6	Fatigue of improved polyamide mooring ropes for floating wind turbines. Ocean Engineering, 2020, 199, 107011.	4.3	18
7	Fatigue Behaviour of Acrylic Matrix Composites: Influence of Seawater. Applied Composite Materials, 2019, 26, 507-518.	2.5	24
8	Carbon/polyamide 6 thermoplastic composite cylinders for deep sea applications. Composite Structures, 2019, 212, 535-546.	5.8	19
9	Impact of hydrolytic degradation on mechanical properties of PET - Towards an understanding of microplastics formation. Polymer Degradation and Stability, 2019, 161, 175-182.	5.8	85
10	Thermoplastic matrix composites for marine applications. , 2019, , 31-53.		14
11	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
12	Residual Strains using Integrated Continuous Fiber Optic Sensing in Thermoplastic Composites and Structural Health Monitoring. Experimental Mechanics, 2018, 58, 167-176.	2.0	16
13	Marine Ageing Behaviour of New Environmentally Friendly Composites. Solid Mechanics and Its Applications, 2018, , 225-237.	0.2	3
14	Durability of Polymers and Composites: The Key to Reliable Marine Renewable Energy Production. , 2018, , .		0
15	Improved Bend Over Sheave Durability of HMPE Ropes for Deep Sea Handling. , 2018, , .		3
16	Fatigue of polyamide mooring ropes for floating wind turbines. MATEC Web of Conferences, 2018, 165, 10002.	0.2	3
17	Yield stress changes induced by water in polyamide 6: Characterization and modeling. Polymer Degradation and Stability, 2017, 137, 272-280.	5.8	60
18	Modelling the non Fickian water absorption in polyamide 6. Polymer Degradation and Stability, 2016, 133, 404-412.	5.8	45

#	ARTICLE	IF	CITATIONS
19	Effect of sea water and humidity on the tensile and compressive properties of carbon-polyamide 6 laminates. Composites Part A: Applied Science and Manufacturing, 2016, 91, 250-261.	7.6	73
20	Prediction of mechanical property loss in polyamide during immersion in sea water. AIP Conference Proceedings, 2016, , .	0.4	0
21	Fatigue behavior of natural rubber in marine environment: Comparison between air and sea water. Materials & Design, 2015, 65, 462-467.	5.1	26