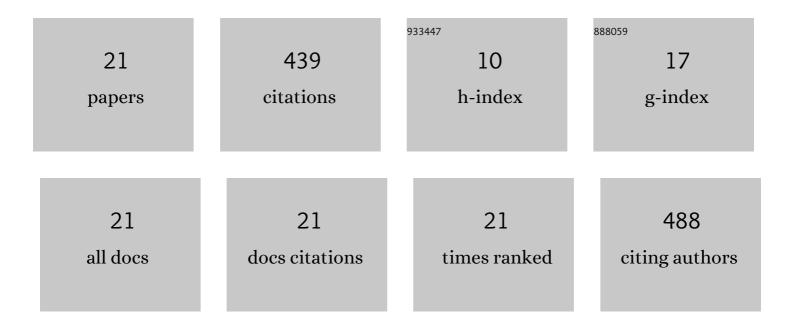
Mael Arhant

List of Publications by Year in descending order

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Μλει Δρηλητ

#	Article	lF	CITATIONS
1	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
2	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
3	Yield stress changes induced by water in polyamide 6: Characterization and modeling. Polymer Degradation and Stability, 2017, 137, 272-280.	5.8	60
4	Modelling the non Fickian water absorption in polyamide 6. Polymer Degradation and Stability, 2016, 133, 404-412.	5.8	45
5	Fatigue behavior of natural rubber in marine environment: Comparison between air and sea water. Materials & Design, 2015, 65, 462-467.	5.1	26
6	Fatigue Behaviour of Acrylic Matrix Composites: Influence of Seawater. Applied Composite Materials, 2019, 26, 507-518.	2.5	24
7	Modelling pure polyamide 6 hydrolysis: Influence of water content in the amorphous phase. Polymer Degradation and Stability, 2021, 183, 109435.	5.8	21
8	Carbon/polyamide 6 thermoplastic composite cylinders for deep sea applications. Composite Structures, 2019, 212, 535-546.	5.8	19
9	Fatigue of improved polyamide mooring ropes for floating wind turbines. Ocean Engineering, 2020, 199, 107011.	4.3	18
10	Residual Strains using Integrated Continuous Fiber Optic Sensing in Thermoplastic Composites and Structural Health Monitoring. Experimental Mechanics, 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. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106719.	7.6	9
13	Seawater ageing of infused flax fibre reinforced acrylic composites. Composites Part C: Open Access, 2022, 8, 100246.	3.2	9
14	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
15	Fatigue crack growth properties of carbon-polyamide 6 thermoplastic composites using a multi-ΔG control method. Engineering Fracture Mechanics, 2021, 252, 107825.	4.3	4
16	Marine Ageing Behaviour of New Environmentally Friendly Composites. Solid Mechanics and Its Applications, 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. MATEC Web of Conferences, 2018, 165, 10002.	0.2	3

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#	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