

Maurizio Arena

List of Publications by Year in descending order

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19
papers

207
citations

1163117

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h-index

1058476

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19
all docs

19
docs citations

19
times ranked

211
citing authors

#	ARTICLE	IF	CITATIONS
1	Aero-servo-elastic design of a morphing wing trailing edge system for enhanced cruise performance. Aerospace Science and Technology, 2019, 86, 215-235.	4.8	36
2	Electro-Actuation System Strategy for a Morphing Flap. Aerospace, 2019, 6, 1.	2.2	34
3	Numerical and experimental validation of a full scale servo-actuated morphing aileron model. Smart Materials and Structures, 2018, 27, 105034.	3.5	23
4	Different Methods of Dispersing Carbon Nanotubes in Epoxy Resin and Initial Evaluation of the Obtained Nanocomposite as a Matrix of Carbon Fiber Reinforced Laminate in Terms of Vibroacoustic Performance and Flammability. Materials, 2019, 12, 2998.	2.9	22
5	Strain State Detection in Composite Structures: Review and New Challenges. Journal of Composites Science, 2020, 4, 60.	3.0	20
6	Multifunctional Performance of a Nano-Modified Fiber Reinforced Composite Aeronautical Panel. Materials, 2019, 12, 869.	2.9	19
7	Vibration Response Aspects of a Main Landing Gear Composite Door Designed for High-Speed Rotorcraft. Aerospace, 2021, 8, 52.	2.2	14
8	Static and Dynamic Performance of a Morphing Trailing Edge Concept with High-Damping Elastomeric Skin. Aerospace, 2019, 6, 22.	2.2	10
9	Preliminary failure analysis of an innovative morphing flap tailored for large civil aircraft applications. , 2016, , .		4
10	Modal stability assessment for a morphing aileron subjected to actuation system failures: Numerical analysis supported by test evidence. , 2016, , .		4
11	Dynamic performance of self-sensing epoxy resin for aerospace structures. AIP Conference Proceedings, 2018, , .	0.4	4
12	Impact detection method for composite winglets based on neural network implementation. , 2018, , .		4
13	Aeroelastic analysis of an adaptive trailing edge with a smart elastic skin. AIP Conference Proceedings, 2017, , .	0.4	3
14	Thermal degradation and fire properties of epoxy modified resins. AIP Conference Proceedings, 2018, , .	0.4	3
15	Morphing Aileron. , 2018, , 547-582.		2
16	Acoustic performance assessment of innovative blankets for aeronautical applications. AIP Conference Proceedings, 2018, , .	0.4	2
17	SISO Piezo Based Circuit Development for Active Structural Vibration Control. Fluids, 2020, 5, 183.	1.7	1
18	Vibration Parameters for Impact Detection of Composite Panel: A Neural Network Based Approach. Journal of Composites Science, 2021, 5, 185.	3.0	1

#	ARTICLE	IF	CITATIONS
19	Bidimensional Ray Tracing Model for the Underwater Noise Propagation Prediction. Fluids, 2021, 6, 19.	1.7	1