Gokhan Serhat

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2360014/publications.pdf

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18	215	1163117 8	1058476 14
papers	citations	h-index	g-index

18	18	18	83
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-objective optimization of composite plates using lamination parameters. Materials and Design, 2019, 180, 107904.	7.0	33
2	Lamination Parameter Interpolation Method for Design of Manufacturable Variable-Stiffness Composite Panels. AIAA Journal, 2019, 57, 3052-3065.	2.6	22
3	Electroelastic modeling of thin-laminated composite plates with surface-bonded piezo-patches using Rayleighâ€“Ritz method. Journal of Intelligent Material Systems and Structures, 2018, 29, 2192-2205.	2.5	21
4	Design of curved composite panels for optimal dynamic response using lamination parameters. Composites Part B: Engineering, 2018, 147, 135-146.	12.0	21
5	Unifying lamination parameters with spectral-Tchebychev method for variable-stiffness composite plate design. Composite Structures, 2020, 242, 112183.	5.8	18
6	Dynamic analysis of doubly curved composite panels using lamination parameters and spectral-Tchebychev method. Computers and Structures, 2020, 239, 106294.	4.4	17
7	A semi-analytical model for dynamic analysis of non-uniform plates. Applied Mathematical Modelling, 2019, 76, 883-899.	4.2	12
8	Free and Forced Vibration Modes of the Human Fingertip. Applied Sciences (Switzerland), 2021, 11, 5709.	2.5	10
9	Maximizing buckling load of elliptical composite cylinders using lamination parameters. Engineering Structures, 2022, 262, 114342.	5.3	10
10	Calibrating a Soft ERT-Based Tactile Sensor with a Multiphysics Model and Sim-to-real Transfer Learning. , 2020, , .		9
11	Predicting the Force Map of an ERT-Based Tactile Sensor Using Simulation and Deep Networks. IEEE Transactions on Automation Science and Engineering, 2023, 20, 425-439.	5.2	8
12	Concurrent Lamination and Tapering Optimization of Cantilever Composite Plates under Shear. Materials, 2021, 14, 2285.	2.9	7
13	Design of Circular Composite Cylinders for Optimal Natural Frequencies. Materials, 2021, 14, 3203.	2.9	7
14	A design methodology for fiber layup optimization of filament wound structural components. Structures, 2022, 38, 1125-1136.	3.6	7
15	Multi-objective optimization of composite sandwich panels using lamination parameters and spectral Chebyshev method. Composite Structures, 2022, 289, 115417.	5.8	7
16	Contact evolution of dry and hydrated fingertips at initial touch. PLoS ONE, 2022, 17, e0269722.	2.5	5
17	Multi-Objective Optimization of Stiffened, Fiber-Reinforced Composite Fuselages for Mechanical and Vibro-Acoustic Requirements. , 2016, , .		1
18	COMPACT: Concurrent or Ordered Matrix-Based Packing Arrangement Computation Technique. Applied Sciences (Switzerland), 2021, 11, 5217.	2.5	0