Okyay Altay

List of Publications by Year
in descending order

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19	193	1040056 9	1125743 13
papers	citations	h-index	g-index

25	25	25	117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A semi-active tuned liquid column damper for lateral vibration control of high-rise structures: Theory and experimental verification. Structural Control and Health Monitoring, 2018, 25, e2270.	4.0	35
2	Mathematical modeling and optimization scheme for omnidirectional tuned liquid column dampers. Journal of Sound and Vibration, 2020, 484, 115523.	3.9	23
3	Numerical analysis of passive toroidal tuned liquid column dampers for the vibration control of monopile wind turbines using FVM and FEM. Ocean Engineering, 2022, 247, 110637.	4.3	19
4	Real-time hybrid simulation framework for the investigation of soil-structure interaction effects on the vibration control performance of shape memory alloys. Engineering Structures, 2021, 243, 112621.	5.3	15
5	Strain amplitude effects on the seismic performance of dampers utilizing shape memory alloy wires. Engineering Structures, 2021, 244, 112708.	5.3	15
6	Vibration Mitigation of Wind Turbine Towers with Tuned Mass Dampers. Advances in Industrial Control, 2014, , 337-373.	0.5	11
7	Multilayer toroidal tuned liquid column dampers for seismic vibration control of structures. Structures, 2021, 33, 406-422.	3.6	11
8	Macroscopic modeling of strain-rate dependent energy dissipation of superelastic SMA dampers considering destabilization of martensitic lattice. Smart Materials and Structures, 2020, 29, 025005.	3.5	9
9	Identification and semi-active control of structures with abrupt stiffness degradations. Mechanical Systems and Signal Processing, 2022, 163, 108131.	8.0	8
10	Machine Learning Enhanced Dynamic Response Modelling of Superelastic Shape Memory Alloy Wires. Materials, 2022, 15, 304.	2.9	8
11	Identification of abrupt stiffness changes of structures with tuned mass dampers under sudden events. Structural Control and Health Monitoring, 2020, 27, e2530.	4.0	6
12	Investigations on the Performance of a Novel Semi-active Tuned Liquid Column Damper. Procedia Engineering, 2017, 199, 1580-1585.	1.2	5
13	Strain rate dependent formulation of the latent heat evolution of superelastic shape memory alloy wires incorporated in multistory frame structures. Journal of Intelligent Material Systems and Structures, 2021, 32, 1198-1214.	2.5	2
14	Moving horizon estimator for vibration control of high-rising structures. , 2021, , .		2
15	EXPERIMENTAL IDENTIFICATION OF AN ELASTO-MECHANICAL MULTI-DEGREE-OF-FREEDOM-SYSTEM USING STOCHASTIC SIGNALS. Acta Polytechnica CTU Proceedings, 0, 7, 64.	0.3	1
16	Hierarchical model predictive vibration control for highâ€rise structures using semiâ€active tuned liquid column damper. Structural Control and Health Monitoring, 0, , .	4.0	1
17	CANFISâ€Based Semiâ€active Vibration Control of Stochastically Excited Highâ€Rise Civil Engineering Structures with Nonlinearities and Uncertainties. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900132.	0.2	0
18	Rate dependent free energy formulations for dynamically excited superelastic SMA wires. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000209.	0.2	0

#	Article	IF	Citations
19	Neural Network Parameter Identification Based Constitutive Modeling of Superelastic Shape Memory Alloys. Proceedings in Applied Mathematics and Mechanics, 2021, 21, .	0.2	0