

Okyay Altay

List of Publications by Year in descending order

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19
papers

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citations

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g-index

25
all docs

25
docs citations

25
times ranked

117
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and semi-active control of structures with abrupt stiffness degradations. Mechanical Systems and Signal Processing, 2022, 163, 108131.	8.0	8
2	Machine Learning Enhanced Dynamic Response Modelling of Superelastic Shape Memory Alloy Wires. Materials, 2022, 15, 304.	2.9	8
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	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
5	Rate dependent free energy formulations for dynamically excited superelastic SMA wires. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000209.	0.2	0
6	Moving horizon estimator for vibration control of high-rising structures. , 2021, , .		2
7	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
8	Strain amplitude effects on the seismic performance of dampers utilizing shape memory alloy wires. Engineering Structures, 2021, 244, 112708.	5.3	15
9	Multilayer toroidal tuned liquid column dampers for seismic vibration control of structures. Structures, 2021, 33, 406-422.	3.6	11
10	Neural Network Parameter Identification Based Constitutive Modeling of Superelastic Shape Memory Alloys. Proceedings in Applied Mathematics and Mechanics, 2021, 21, .	0.2	0
11	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
12	Mathematical modeling and optimization scheme for omnidirectional tuned liquid column dampers. Journal of Sound and Vibration, 2020, 484, 115523.	3.9	23
13	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
14	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
15	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
16	Investigations on the Performance of a Novel Semi-active Tuned Liquid Column Damper. Procedia Engineering, 2017, 199, 1580-1585.	1.2	5
17	Vibration Mitigation of Wind Turbine Towers with Tuned Mass Dampers. Advances in Industrial Control, 2014, , 337-373.	0.5	11
18	EXPERIMENTAL IDENTIFICATION OF AN ELASTO-MECHANICAL MULTI-DEGREE-OF-FREEDOM-SYSTEM USING STOCHASTIC SIGNALS. Acta Polytechnica CTU Proceedings, 0, 7, 64.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Hierarchical model predictive vibration control for high-rise structures using semi-active tuned liquid column damper. Structural Control and Health Monitoring, 0, , .	4.0	1