Tamara NestoroviÄ

List of Publications by Year
in descending order

66	643	759233 12	677142 22
papers	citations	h-index	g-index

67	67	67	548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-gradient full waveform inversion approaches for exploration during mechanized tunneling applied to surrogate laboratory measurements. Tunnelling and Underground Space Technology, 2022, 120, 104252.	6.2	6
2	A hybrid exploration approach for the prediction of geological changes ahead of mechanized tunnel excavation. Journal of Applied Geophysics, 2022, 203, 104684.	2.1	5
3	Software-in-the-loop optimization of actuator and sensor placement for a smart piezoelectric funnel-shaped inlet of a magnetic resonance imaging tomograph. Mechanical Systems and Signal Processing, 2021, 147, 107097.	8.0	6
4	Assessment of a Dual Kalman Filter-Based Approach for Input/Output Estimation in an Aluminum Plate. Lecture Notes in Civil Engineering, 2021, , 584-593.	0.4	0
5	Local Latin hypercube refinement for multi-objective design uncertainty optimization. Applied Soft Computing Journal, 2021, 112, 107807.	7.2	7
6	Artificial Intelligence Neural Network Approach to Self Tuning of a Discrete-Time PID Control System. , 2021, , .		1
7	Reconstruction of structural anomalies out of seismic measurements by means of a non-deterministic full waveform inversion approach for application in mechanized tunneling. Journal of Applied Geophysics, 2020, 182, 104180.	2.1	6
8	Global Optimization based on Mixed H₂ and H_{inf} Approach for Placement of Piezoelectric Actuators and Sensors on Curved Surfaces in Actively Controlled Structures. , 2020, , .		1
9	Robust nonlinear control of atomic force microscope via immersion and invariance. International Journal of Robust and Nonlinear Control, 2019, 29, 1031-1050.	3.7	9
10	Intelligent optimization and machine learning algorithms for structural anomaly detection using seismic signals. Mechanical Systems and Signal Processing, 2019, 133, 106250.	8.0	13
11	Material defects localization in concrete plate-like structures â€“ Experimental and numerical study. Mechanics Research Communications, 2019, 98, 9-15.	1.8	4
12	Frequencyâ€bounded Delay and Sum: A modified Damage Detection Method in thinâ€walled Plates. Proceedings in Applied Mathematics and Mechanics, 2019, 19, e201900368.	0.2	1
13	Vibration control subjected to windup problem: An applied view on analysis and synthesis with convex formulation. Control Engineering Practice, 2019, 82, 50-71.	5.5	4
14	Observer-based repetitive model predictive control in active vibration suppression. Structural Control and Health Monitoring, 2018, 25, e2149.	4.0	13
15	Imaging disturbance zones ahead of a tunnel by elastic full-waveform inversion: Adjoint gradient based inversion vs. parameter space reduction using a level-set method. Underground Space (China), 2018, 3, 21-33.	7.5	18
16	Nonlinear observer-based recurrent wavelet neuro-controller in disturbance rejection control of flexible structures. Engineering Applications of Artificial Intelligence, 2018, 69, 50-64.	8.1	13
17	Robust nonfragile observer-based H₂/H_{â^ž} controller. JVC/Journal of Vibration and Control, 2018, 24, 722-738.	2.6	12
18	Advanced Disturbance Rejection Control of Smart Flexible Structures. , 2018, , .		0

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19	Frequency Domain Subspace Identification of Multivariable Dynamical Systems for Robust Control Design. IFAC-PapersOnLine, 2018, 51, 990-995.	0.9	5
20	Optimal Input Excitation Design for Nonparametric Uncertainty Quantification of Multi-Input Multi-Output Systems. IFAC-PapersOnLine, 2018, 51, 114-119.	0.9	6
21	Reconstructing disturbance zones ahead of the tunnel face by elastic waveform inversion supported by a parametric level-set representation. Soil Dynamics and Earthquake Engineering, 2018, 115, 606-621.	3.8	12
22	Experimental and numerical research on damage localization in plate-like concrete structures using hybrid approach. Structural Control and Health Monitoring, 2018, 25, e2214.	4.0	14
23	Robust Linear Output Regulation Using Extended State Observer. Mathematical Problems in Engineering, 2018, 2018, 1-12.	1.1	7
24	Semi-Analytical Modeling and Vibration Control of a Geometrically Nonlinear Plate. International Journal of Structural Stability and Dynamics, 2017, 17, 1771003.	2.4	3
25	Disturbance rejection control based on state-reconstruction and persistence disturbance estimation. Journal of the Franklin Institute, 2017, 354, 8015-8037.	3.4	4
26	Hybrid approach for two dimensional damage localization using piezoelectric smart aggregates. Mechanics Research Communications, 2017, 85, 69-75.	1.8	7
27	Transient response of an active nonlinear sandwich piezolaminated plate. Communications in Nonlinear Science and Numerical Simulation, 2017, 45, 158-175.	3.3	9
28	Finite element model updating using simulated annealing hybridized with unscented Kalman filter. Computers and Structures, 2016, 177, 176-191.	4.4	40
29	Identification of modal parameters for complex structures by experimental modal analysis approach. Advances in Mechanical Engineering, 2016, 8, 168781401664911.	1.6	11
30	Robust observer-based adaptive fuzzy sliding mode controller. Mechanical Systems and Signal Processing, 2016, 76-77, 58-71.	8.0	49
31	Unscented hybrid simulated annealing for fast inversion of tunnel seismic waves. Computer Methods in Applied Mechanics and Engineering, 2016, 301, 281-299.	6.6	22
32	Nonlinear Kalman Filters for Model Calibration of Soil Parameters for Geomechanical Modeling in Mechanized Tunneling. Journal of Computing in Civil Engineering, 2016, 30, 04015025.	4.7	12
33	Reliability of disturbance rejection control based on the geometrical disturbance decoupling. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 823-824.	0.2	1
34	MU-SYNTHESIS BASED ACTIVE ROBUST VIBRATION CONTROL OF AN MRI INLET. Facta Universitatis, Series: Mechanical Engineering, 2016, 14, 37.	4.6	11
35	Otkrivanje oÅ¡teÄ‡enja armiranobetonskih konstrukcija primjenom piezoelektriÄnih pametnih agregata. Gradevinar, 2016, 68, 371-380.	0.2	2
36	Numerical modeling of damage detection in concrete beams using piezoelectric patches. Mechanics Research Communications, 2015, 64, 15-22.	1.8	34

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37	Optimal placement of piezoelectric actuators and sensors on a smart beam and a smart plate using multi-objective genetic algorithm. Smart Structures and Systems, 2015, 15, 1041-1062.	1.9	8
38	User defined finite element for modeling and analysis of active piezoelectric shell structures. Meccanica, 2014, 49, 1763-1774.	2.0	22
39	Identification of parameters in nonlinear geotechnical models using extenden Kalman filter. MATEC Web of Conferences, 2014, 16, 05010.	0.2	1
40	Identification of a fault zone ahead of the tunnel excavation face using the extended Kalman filter. Mechanics Research Communications, 2013, 53, 47-52.	1.8	8
41	Finite-time boundedness analysis of a class of linear discrete descriptor systems: An LMI approach. , 2013, , .		0
42	Optimal actuator and sensor placement based on balanced reduced models. Mechanical Systems and Signal Processing, 2013, 36, 271-289.	8.0	51
43	Further results on stability of singular time delay systems in the sense of non-Lyapunov: A new delay dependent conditions. , 2013, , .		1
44	The extended Kalman Filter and the unscented Kalman Filter for Material Parameter Identification with Application in Tunneling. Proceedings in Applied Mathematics and Mechanics, 2013, 13, 393-394.	0.2	1
45	A new approach to the stability of discrete descriptor time delay systems in the sense of non-lyapunov delay independent conditions. , 2012, , .		3
46	LMI approach to non-Lyapunov stability of discrete descriptor time delay systems. , 2012, , .		1
47	Experimental model identification and vibration control of a smart cantilever beam using piezoelectric actuators and sensors. Journal of Electroceramics, 2012, 29, 42-55.	2.0	25
48	Implementation of a user defined piezoelectric shell element for analysis of active structures. Finite Elements in Analysis and Design, 2012, 52, 11-22.	3.2	29
49	On finite and practical stability of time delayed systems: Lyapunov-Krassovski approach, delay dependent criteria. , 2011, , .		7
50	A new approach to stability of singular time delay systems in the sense of non-Lyapunov delay independent conditions. , 2011, , .		1
51	Further results on stability of linear discrete time delay systems over a finite time interval: Novel delay-independent conditions. , 2011, , .		2
52	Time delayed system stability theory in the sense of non-Lyapunov delay independent and delay dependent approach: New results. , 2011, , .		0
53	A new approach to the stability of time-delay systems in the sense of Non-Lyapunov delay-independent and delay-dependent criteria. , 2010, , .		6
54	Modelling and analysis of piezoelectric smart structures for vibration and noise control. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 29-39.	0.6	6

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55	Direct model reference adaptive control (MRAC) design and simulation for the vibration suppression of piezoelectric smart structures. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1896-1909.	3.3	26
56	Methods and possibilities of a virtual design for actively controlled smart systems. Computers and Structures, 2008, 86, 240-250.	4.4	7
57	Analysis and Design of Smart Structures to Control Vibration and Noise. , 2007, , 49.		2
58	Model Reference Adaptive System for the Noise Control of an Active Piezoelectric Acoustic Box. , 2007, , .		1
59	Vibration control of a funnel-shaped shell structure with distributed piezoelectric actuators and sensors. Smart Materials and Structures, 2006, 15, 1119-1132.	3.5	20
60	Finite element-based overall design of controlled smart structures. Structural Control and Health Monitoring, 2006, 13, 1052-1067.	4.0	7
61	Active control of a piezoelectric funnel-shaped structure based on subspace identification. Structural Control and Health Monitoring, 2006, 13, 1068-1079.	4.0	13
62	A direct model reference adaptive control system design and simulation for the vibration suppression of a piezoelectric smart structure. , 2006, , .		0
63	Active vibration control using optimal LQ tracking system with additional dynamics. International Journal of Control, 2005, 78, 1182-1197.	1.9	22
64	Possibilities of Optimal and Adaptive Control Laws Design in Piezoelectric Smart Structures. Proceedings in Applied Mathematics and Mechanics, 2003, 3, 138-139.	0.2	1
65	Comparison of controller design approaches from a vibration suppression point of view. , 2003, , .		2
66	Entwurf intelligenter Strukturen unter Einbeziehung der Regelung (Design of Intelligent Structures) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	2