HÃ¥kan Johansson

List of Publications by Year
in descending order

25	234	1163117 8	996975 15
papers	citations	h-index	g-index

26	26	26	236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Condition Monitoring of Railway Crossing Geometry via Measured and Simulated Track Responses. Sensors, 2022, 22, 1012.	3.8	14
2	A numerical study on the safety beltâ€toâ€pelvis interaction. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3572.	2.1	3
3	Numerical modelling of neutral atmospheric boundary layer flow through heterogeneous forest canopies in complex terrain (a case study of a Swedish wind farm). Renewable Energy, 2021, 180, 806-828.	8.9	11
4	Multibody dynamic modelling of a direct wind turbine drive train. Wind Engineering, 2020, 44, 519-547.	1.9	3
5	A Priori Assessment of Adipose Tissue Mechanical Testing by Global Sensitivity Analysis. Journal of Biomechanical Engineering, 2018, 140, .	1.3	6
6	A Nonlinear Viscoelastic Model for Adipose Tissue Representing Tissue Response at a Wide Range of Strain Rates and High Strain Levels. Journal of Biomechanical Engineering, 2018, 140, .	1.3	8
7	Performance improvement of a transmission synchronizer via sensitivity analysis and Pareto optimization. Cogent Engineering, 2018, 5, 1471768.	2.2	2
8	Global Sensitivity Analysis of High Speed Shaft Subsystem of a Wind Turbine Drive Train. International Journal of Rotating Machinery, 2018, 2018, 1-20.	0.8	0
9	Dynamics and Pareto Optimization of a Generic Synchronizer Mechanism. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 417-425.	0.5	1
10	Review on wind turbines with focus on drive train system dynamics. Wind Energy, 2015, 18, 567-590.	4.2	31
11	Identification of wheelâ€“rail contact forces based on strain measurements, an inverse scheme and a finite-element model of the wheel. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2014, 228, 343-354.	2.0	6
12	Simulation of active skeletal muscle tissue with a transversely isotropic viscohyperelastic continuum material model. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2013, 227, 571-580.	1.8	8
13	A two-scale finite element formulation of Stokes flow in porous media. Computer Methods in Applied Mechanics and Engineering, 2013, 261-262, 96-104.	6.6	25
14	Load identification for a rolling disc: finite element discretization and virtual calibration. Computational Mechanics, 2012, 49, 137-147.	4.0	6
15	Identification of Wheel-Rail Contact Forces Based on Strain Measurement and Finite Element Model of the Rolling Wheel. Conference Proceedings of the Society for Experimental Mechanics, 2012, , 169-177.	0.5	1
16	Application-specific error control for parameter identification problems. International Journal for Numerical Methods in Biomedical Engineering, 2011, 27, 608-618.	2.1	4
17	A numerical framework for load identification and regularization with application to rolling disc problem. Computers and Structures, 2011, 89, 38-47.	4.4	41
18	Estimation of model errors in the calibration of viscoelastic material models. International Journal for Numerical Methods in Engineering, 2008, 76, 1568-1582.	2.8	5

#	Article	IF	Citations
19	A strategy for input estimation with sensitivity analysis. International Journal for Numerical Methods in Engineering, 2007, 69, 2219-2246.	2.8	15
20	Calibration of a class of non-linear viscoelasticity models with sensitivity assessment based on duality. International Journal for Numerical Methods in Engineering, 2007, 69, 2513-2537.	2.8	6
21	Parameter identification with sensitivity assessment and error computation. GAMM Mitteilungen, 2007, 30, 430-457.	5.5	14
22	Calibration of a class of non-linear viscoelasticity models with adaptive error control. Computational Mechanics, 2007, 41, 107-119.	4.0	5
23	Parameter identification in constitutive models via optimization witha posteriori error control. International Journal for Numerical Methods in Engineering, 2005, 62, 1315-1340.	2.8	15
24	Calibration of a Nonlinear Elastic Composite With Goal-Oriented Error Control. International Journal for Multiscale Computational Engineering, 2005, 3, 363-378.	1.2	4
25	Numerical Modelling of Neutral Atmospheric Boundary Layer Flow Through Heterogeneous Forest Canopies in Complex Terrain (A Case Study of a Swedish Wind Farm). SSRN Electronic Journal, 0, , .	0.4	0