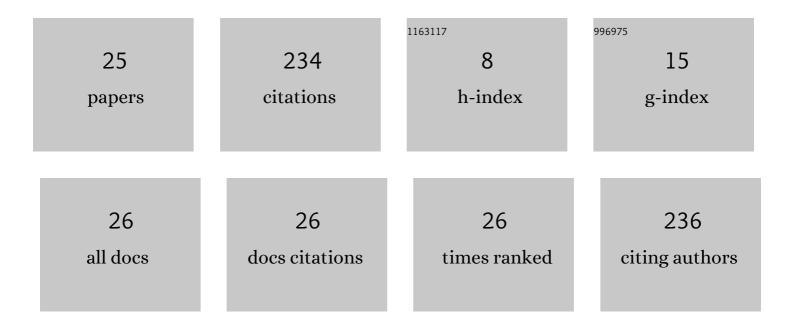
## HÃ¥kan Johansson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A numerical framework for load identification and regularization with application to rolling disc problem. Computers and Structures, 2011, 89, 38-47.	4.4	41
2	Review on wind turbines with focus on drive train system dynamics. Wind Energy, 2015, 18, 567-590.	4.2	31
3	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
4	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
5	A strategy for input estimation with sensitivity analysis. International Journal for Numerical Methods in Engineering, 2007, 69, 2219-2246.	2.8	15
6	Parameter identification with sensitivity assessment and error computation. GAMM Mitteilungen, 2007, 30, 430-457.	5.5	14
7	Condition Monitoring of Railway Crossing Geometry via Measured and Simulated Track Responses. Sensors, 2022, 22, 1012.	3.8	14
8	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
9	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
10	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
11	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
12	Load identification for a rolling disc: finite element discretization and virtual calibration. Computational Mechanics, 2012, 49, 137-147.	4.0	6
13	Identification of wheel–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
14	A Priori Assessment of Adipose Tissue Mechanical Testing by Global Sensitivity Analysis. Journal of Biomechanical Engineering, 2018, 140, .	1.3	6
15	Calibration of a class of non-linear viscoelasticity models with adaptive error control. Computational Mechanics, 2007, 41, 107-119.	4.0	5
16	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
17	Application-specific error control for parameter identification problems. International Journal for Numerical Methods in Biomedical Engineering, 2011, 27, 608-618.	2.1	4
18	Calibration of a Nonlinear Elastic Composite With Goal-Oriented Error Control. International Journal for Multiscale Computational Engineering, 2005, 3, 363-378.	1.2	4

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#	Article	IF	CITATIONS
19	Multibody dynamic modelling of a direct wind turbine drive train. Wind Engineering, 2020, 44, 519-547.	1.9	3
20	A numerical study on the safety beltâ€toâ€pelvis interaction. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3572.	2.1	3
21	Performance improvement of a transmission synchronizer via sensitivity analysis and Pareto optimization. Cogent Engineering, 2018, 5, 1471768.	2.2	2
22	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
23	Dynamics and Pareto Optimization of a Generic Synchronizer Mechanism. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 417-425.	0.5	1
24	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
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