

# Andreas Otto

## List of Publications by Year in descending order

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32  
papers

541  
citations

623734

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642732

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g-index

32  
all docs

32  
docs citations

32  
times ranked

381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological feature vectors for chatter detection in turning processes. International Journal of Advanced Manufacturing Technology, 2022, 119, 5687-5713.	3.0	10
2	Chatter detection in turning using machine learning and similarity measures of time series via dynamic time warping. Journal of Manufacturing Processes, 2022, 77, 190-206.	5.9	14
3	Combining Safe Collaborative and High-Accuracy Operations in Industrial Robots. Arena2036, 2021, , 451-459.	0.9	2
4	Modularer digitaler Zwingling für Werkzeugmaschinen. ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb, 2021, 116, 622-626.	0.3	1
5	Dynamics of a driven harmonic oscillator coupled to pairwise interacting Ising spins in random fields. Physical Review E, 2021, 104, 054212.	2.1	1
6	Laminar chaos in experiments and nonlinear delayed Langevin equations: A time series analysis toolbox for the detection of laminar chaos. Physical Review E, 2020, 101, 032213.	2.1	6
7	Time delay effects in the control of synchronous electricity grids. Chaos, 2020, 30, 013122.	2.5	17
8	On transfer learning for chatter detection in turning using wavelet packet transform and ensemble empirical mode decomposition. CIRP Journal of Manufacturing Science and Technology, 2020, 28, 118-135.	4.5	59
9	Dynamics of a driven harmonic oscillator coupled to independent Ising spins in random fields. Physical Review E, 2020, 101, 042217.	2.1	4
10	Resonant Doppler effect in systems with variable delay. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180119.	3.4	9
11	Nonlinear dynamics of delay systems: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180389.	3.4	31
12	Laminar Chaos in Experiments: Nonlinear Systems with Time-Varying Delays and Noise. Physical Review Letters, 2019, 123, 154101.	7.8	18
13	Laminar Chaos. Physical Review Letters, 2018, 120, 084102.	7.8	25
14	Synchronization in networks with heterogeneous coupling delays. Physical Review E, 2018, 97, 012311.	2.1	20
15	Effect of the interaction between tool and workpiece modes on turning with round inserts. International Journal of Dynamics and Control, 2018, 6, 571-581.	2.5	2
16	The Effect of Torsional Vibrations on Metal Cutting Dynamics. Procedia CIRP, 2018, 77, 461-464.	1.9	0
17	Chatter prediction for uncertain parameters. Advances in Manufacturing, 2018, 6, 319-333.	6.1	28
18	Dynamical Systems with Time-Varying Delay: Dissipative and More Dissipative Systems. , 2018, , 27-37.		1

#	ARTICLE	IF	CITATIONS
19	Control of Transport PDE/Nonlinear ODE Cascades With State-Dependent Propagation Speed. IEEE Transactions on Automatic Control, 2017, 62, 6278-6293.	5.7	30
20	Stability of milling with non-uniform pitch and variable helix Tools. International Journal of Advanced Manufacturing Technology, 2017, 89, 2613-2625.	3.0	53
21	Transformations from Variable Delays to Constant Delays with Applications in Engineering and Biology. Advances in Delays and Dynamics, 2017, , 169-183.	0.4	1
22	Universal Dichotomy for Dynamical Systems with Variable Delay. Physical Review Letters, 2017, 118, 044104.	7.8	14
23	From dynamical systems with time-varying delay to circle maps and Koopman operators. Physical Review E, 2017, 95, 062214.	2.1	13
24	Delay-induced wave instabilities in single-species reaction-diffusion systems. Physical Review E, 2017, 96, 052202.	2.1	7
25	Control of transport PDE/nonlinear ODE cascades with state-dependent propagation speed. , 2016, , .		2
26	Stability analysis of machine-tool vibrations in the frequency domain. IFAC-PapersOnLine, 2015, 48, 328-333.	0.9	4
27	Position-dependent stability analysis of turning with tool and workpiece compliance. International Journal of Advanced Manufacturing Technology, 2015, 79, 1453-1463.	3.0	28
28	The influence of tangential and torsional vibrations on the stability lobes in metal cutting. Nonlinear Dynamics, 2015, 82, 1989-2000.	5.2	16
29	Extension of Tlusty's law for the identification of chatter stability lobes in multi-dimensional cutting processes. International Journal of Machine Tools and Manufacture, 2014, 82-83, 50-58.	13.4	36
30	Application of spindle speed variation for chatter suppression in turning. CIRP Journal of Manufacturing Science and Technology, 2013, 6, 102-109.	4.5	76
31	Stability Analysis of Machining with Spindle Speed Variation. Advanced Materials Research, 2011, 223, 600-609.	0.3	11
32	Lyapunov Spectrum of Linear Delay Differential Equations with Time-Varying Delay. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 206-211.	0.4	2