

Andreas Otto

List of Publications by Year in descending order

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32
papers

541
citations

623734

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23
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32
all docs

32
docs citations

32
times ranked

381
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of spindle speed variation for chatter suppression in turning. CIRP Journal of Manufacturing Science and Technology, 2013, 6, 102-109.	4.5	76
2	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
3	Stability of milling with non-uniform pitch and variable helix Tools. International Journal of Advanced Manufacturing Technology, 2017, 89, 2613-2625.	3.0	53
4	Extension of Tlustý'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
5	Nonlinear dynamics of delay systems: an overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180389.	3.4	31
6	Control of Transport PDE/Nonlinear ODE Cascades With State-Dependent Propagation Speed. IEEE Transactions on Automatic Control, 2017, 62, 6278-6293.	5.7	30
7	Position-dependent stability analysis of turning with tool and workpiece compliance. International Journal of Advanced Manufacturing Technology, 2015, 79, 1453-1463.	3.0	28
8	Chatter prediction for uncertain parameters. Advances in Manufacturing, 2018, 6, 319-333.	6.1	28
9	Laminar Chaos. Physical Review Letters, 2018, 120, 084102.	7.8	25
10	Synchronization in networks with heterogeneous coupling delays. Physical Review E, 2018, 97, 012311.	2.1	20
11	Laminar Chaos in Experiments: Nonlinear Systems with Time-Varying Delays and Noise. Physical Review Letters, 2019, 123, 154101.	7.8	18
12	Time delay effects in the control of synchronous electricity grids. Chaos, 2020, 30, 013122.	2.5	17
13	The influence of tangential and torsional vibrations on the stability lobes in metal cutting. Nonlinear Dynamics, 2015, 82, 1989-2000.	5.2	16
14	Universal Dichotomy for Dynamical Systems with Variable Delay. Physical Review Letters, 2017, 118, 044104.	7.8	14
15	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
16	From dynamical systems with time-varying delay to circle maps and Koopman operators. Physical Review E, 2017, 95, 062214.	2.1	13
17	Stability Analysis of Machining with Spindle Speed Variation. Advanced Materials Research, 2011, 223, 600-609.	0.3	11
18	Topological feature vectors for chatter detection in turning processes. International Journal of Advanced Manufacturing Technology, 2022, 119, 5687-5713.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Resonant Doppler effect in systems with variable delay. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180119.	3.4	9
20	Delay-induced wave instabilities in single-species reaction-diffusion systems. Physical Review E, 2017, 96, 052202.	2.1	7
21	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
22	Stability analysis of machine-tool vibrations in the frequency domain. IFAC-PapersOnLine, 2015, 48, 328-333.	0.9	4
23	Dynamics of a driven harmonic oscillator coupled to independent Ising spins in random fields. Physical Review E, 2020, 101, 042217.	2.1	4
24	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
25	Control of transport PDE/nonlinear ODE cascades with state-dependent propagation speed. , 2016, , .		2
26	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
27	Combining Safe Collaborative and High-Accuracy Operations in Industrial Robots. Arena2036, 2021, , 451-459.	0.9	2
28	Transformations from Variable Delays to Constant Delays with Applications in Engineering and Biology. Advances in Delays and Dynamics, 2017, , 169-183.	0.4	1
29	Modularer digitaler Zwingling für Werkzeugmaschinen. ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb, 2021, 116, 622-626.	0.3	1
30	Dynamical Systems with Time-Varying Delay: Dissipative and More Dissipative Systems. , 2018, , 27-37.		1
31	Dynamics of a driven harmonic oscillator coupled to pairwise interacting Ising spins in random fields. Physical Review E, 2021, 104, 054212.	2.1	1
32	The Effect of Torsional Vibrations on Metal Cutting Dynamics. Procedia CIRP, 2018, 77, 461-464.	1.9	0