

Thomas Semm

List of Publications by Year in descending order

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16
papers

142
citations

1307366

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1199470

12
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17
all docs

17
docs citations

17
times ranked

92
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimensionality Reduction of High-Fidelity Machine Tool Models by Using Global Sensitivity Analysis. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	6
2	Damping in ram based vertical lathes and portal machines. CIRP Annals - Manufacturing Technology, 2022, 71, 369-372.	1.7	1
3	Der digitale Zwilling der Werkzeugmaschine/The digital twin of machine tools. WT Werkstattstechnik, 2021, 111, 179-183.	0.1	0
4	Process Monitoring in Friction Stir Welding Using Convolutional Neural Networks. Metals, 2021, 11, 535.	1.0	14
5	Decision-based process planning for wire and arc additively manufactured and machined parts. Journal of Manufacturing Systems, 2021, 59, 180-189.	7.6	7
6	Identification of optimization potentials using flexible multibody models with local damping information. Procedia CIRP, 2021, 99, 75-79.	1.0	0
7	Utilizing uncertainty information in remaining useful life estimation via Bayesian neural networks and Hamiltonian Monte Carlo. Journal of Manufacturing Systems, 2021, 61, 799-807.	7.6	36
8	Einsatz eines Digitalen Zwillings zur Prozessoptimierung und prädiktiven Instandhaltung. ZWF Zeitschrift fuer Wirtschaftlichen Fabrikbetrieb, 2020, 115, 78-83.	0.2	0
9	Determining the machining allowance for WAAM parts. Production Engineering, 2020, 14, 629-637.	1.1	22
10	Probabilistic information fusion to model the pose-dependent dynamics of milling robots. Production Engineering, 2020, 14, 435-444.	1.1	6
11	Efficient Dynamic Parameter Identification Framework for Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	1.3	7
12	The influence of the process parameters on the surface integrity during peripheral milling of Ti-6Al-4V. TM Technisches Messen, 2020, 87, 721-731.	0.3	8
13	Substructure Coupling of a Machine Tool in Arbitrary Axis Positions Considering Local Linear Damping Models. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	1.3	18
14	Dynamic substructuring of machine tools considering local damping models. Procedia CIRP, 2018, 77, 670-674.	1.0	8
15	Integration of an Android Application into the Learning Factory for Optimized Machining. Procedia Manufacturing, 2018, 23, 9-14.	1.9	5
16	Experimental derivation of a condition monitoring test cycle for machine tool feed drives. Production Engineering, 0, , 1.	1.1	2