

# Shuntaro Yamato

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7787872/publications.pdf>

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14  
papers

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citations

1163117  
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1281871  
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14  
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docs citations

14  
times ranked

60  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode decoupled and sensorless cutting force monitoring based on multi-encoder. International Journal of Advanced Manufacturing Technology, 2017, 92, 4081-4093.	3.0	16
2	Sensor-less on-line chatter detection in turning process based on phase monitoring using power factor theory. Precision Engineering, 2018, 51, 103-116.	3.4	16
3	Self-acting optimal design of spindle speed variation for regenerative chatter suppression based on novel analysis of internal process energy behavior. International Journal of Machine Tools and Manufacture, 2020, 159, 103639.	13.4	16
4	Development of Automatic Chatter Suppression System in Parallel Milling by Real-Time Spindle Speed Control with Observer-Based Chatter Monitoring. International Journal of Precision Engineering and Manufacturing, 2021, 22, 227-240.	2.2	14
5	Enhancement of cutting force observer by identification of position and force-amplitude dependent model parameters. International Journal of Advanced Manufacturing Technology, 2019, 104, 3589-3605.	3.0	12
6	Precompensation of machine dynamics for cutting force estimation based on disturbance observer. CIRP Annals - Manufacturing Technology, 2020, 69, 333-336.	3.6	10
7	Integrated in-process chatter monitoring and automatic suppression with adaptive pitch control in parallel turning. Advances in Manufacturing, 2018, 6, 291-300.	6.1	9
8	Programmable Optimal Design of Sinusoidal Spindle Speed Variation for Regenerative Chatter Suppression. Procedia Manufacturing, 2018, 18, 152-160.	1.9	8
9	Enhancement of Sensor-less Cutting Force Estimation by Tuning of Observer Parameters from Cutting Test. Procedia Manufacturing, 2019, 41, 272-279.	1.9	5
10	Chatter Suppression in Parallel Turning Assisted with Tool Swing Motion Provided by Feed System. International Journal of Automation Technology, 2019, 13, 80-91.	1.0	5
11	Development of sensorless chatter detection method in ball screw drive system applying mode decoupling. , 2017, , .		1
12	Experimental verification of design methodology for chatter suppression in tool swing-assisted parallel turning. International Journal of Advanced Manufacturing Technology, 2020, 110, 1759-1771.	3.0	1
13	Analysis of tool posture control method on curved surface using polishing machine with 5-axis serial-parallel mechanism. , 2017, , .		0
14	Phase shift monitoring based on mode-decoupled disturbance observer for chatter detection. Proceedings of International Conference on Leading Edge Manufacturing in 21st Century LEM21, 2017, 2017.9, 019.	0.0	0