

Pascal Ray

List of Publications by Year in descending order

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15
papers

434
citations

1040056

9
h-index

1372567

10
g-index

15
all docs

15
docs citations

15
times ranked

311
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic characterization of machining robot and stability analysis. International Journal of Advanced Manufacturing Technology, 2016, 82, 351-359.	3.0	116
2	Stability optimization in robotic milling through the control of functional redundancies. Robotics and Computer-Integrated Manufacturing, 2018, 50, 181-192.	9.9	68
3	Modal identification of spindle-tool unit in high-speed machining. Mechanical Systems and Signal Processing, 2011, 25, 2388-2398.	8.0	63
4	Dynamic modeling and stability prediction in robotic machining. International Journal of Advanced Manufacturing Technology, 2017, 88, 3053-3065.	3.0	51
5	Stability-Based Spindle Design Optimization. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2007, 129, 407-415.	2.2	47
6	Stiffness Computation and Identification of Parallel Kinematic Machine Tools. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2009, 131, .	2.2	31
7	Learning the forward kinematics behavior of a hybrid robot employing artificial neural networks. Robotica, 2012, 30, 847-855.	1.9	18
8	Control of a Multi Degrees Functional Redundancies Robotic Cell for Optimization of the Machining Stability. Procedia CIRP, 2017, 58, 269-274.	1.9	12
9	Modelling Approach for a High Speed Machine Tool Spindle-Bearing System. , 2005, , 305.		11
10	Modélisation des manipulateurs flexibles appliquée aux machines-outils UTGV Modeling of flexible manipulators applied to HSMW machine tools. Mecanique Et Industries, 2002, 3, 173-180.	0.2	10
11	Comparison of numerical and neural network methods for the kinematic modeling of a hybrid structure robot. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1162-1171.	2.1	4
12	Direct Measurement of Dynamic Structural Deformations in Order to Improve Dynamic Models of PKM. , 2007, , 205-218.		2
13	High frequency Displacement Measurement based on video and accelerometer for mechanical purpose. , 2007, , .		1
14	Measuring the Deformation of a Parallel Kinematics Machine under Dynamic Conditions, by Combining Video and Accelerometers. , 2006, , .		0
15	Modèle dynamique d'Électrobroche en rotation et prédiction de la stabilité de la coupe. Mecanique Et Industries, 2007, 8, 489-495.	0.2	0