Roberto Belotti

List of Publications by Year
in descending order

14 papers	**124** citations	1163117 **8** h-index	1281871 **11** g-index
14 all docs	**14** docs citations	**14** times ranked	**58** citing authors

#	Article	IF	Citations
1	Optimal Design of Vibrating Systems Through Partial Eigenstructure Assignment. Journal of Mechanical Design, Transactions of the ASME, 2016, 138, .	2.9	22
2	A new method of passive modifications for partial frequency assignment of general structures. Mechanical Systems and Signal Processing, 2018, 99, 586-599.	8.0	21
3	Pole assignment in vibrating systems with time delay: An approach embedding an a-priori stability condition based on Linear Matrix Inequality. Mechanical Systems and Signal Processing, 2020, 137, 106396.	8.0	16
4	Pole Assignment for Active Vibration Control of Linear Vibrating Systems through Linear Matrix Inequalities. Applied Sciences (Switzerland), 2020, 10, 5494.	2.5	11
5	Response optimization of underactuated vibration generators through dynamic structural modification and shaping of the excitation forces. International Journal of Advanced Manufacturing Technology, 2021, 112, 505-524.	3.0	11
6	Dynamic structural modification of vibrating systems oriented to eigenstructure assignment through active control: A concurrent approach. Journal of Sound and Vibration, 2018, 422, 358-372.	3.9	10
7	Antiresonance Assignment in Point and Cross Receptances for Undamped Vibrating Systems. Journal of Mechanical Design, Transactions of the ASME, 2020, 142, .	2.9	9
8	Designing auxiliary systems for the inverse eigenstructure assignment in vibrating systems. Archive of Applied Mechanics, 2017, 87, 171-182.	2.2	8
9	Multi-domain optimization of the eigenstructure of controlled underactuated vibrating systems. Structural and Multidisciplinary Optimization, 2021, 63, 499-514.	3.5	8
10	Shared human–robot path following control of an unmanned ground vehicle. Mechatronics, 2022, 83, 102750.	3.3	4
11	An Approximation-Based Design Optimization Approach to Eigenfrequency Assignment for Flexible Multibody Systems. Applied Sciences (Switzerland), 2021, 11, 11558.	2.5	3
12	Homogeneity for Shared Control in the Presence of Disturbances. IFAC-PapersOnLine, 2019, 52, 235-240.	0.9	1
13	Concurrent Active Control and Dynamic Structural Modification in the Design and the Optimization of Vibrating Systems. Mechanisms and Machine Science, 2017, , 475-482.	0.5	0
14	A Deadband-Based Method for User Effort Reduction in Human-Robot Shared Control. IFAC-PapersOnLine, 2019, 52, 519-524.	0.9	0