

# Andrea Trivella

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9414490/publications.pdf>

Version: 2024-02-01

13  
papers

115  
citations

1684188  
5  
h-index

1281871  
11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

52  
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental study of high-speed rotor supported by air bearings: test RIG and first experimental results. Tribology International, 2006, 39, 839-845.	5.9	45
2	Lumped parameters models of rectangular pneumatic pads: Static analysis. Precision Engineering, 2015, 42, 283-293.	3.4	18
3	Diaphragm valve-controlled air thrust bearing. Tribology International, 2017, 109, 328-335.	5.9	17
4	An infinite stiffness aerostatic pad with a diaphragm valve. Tribology International, 2020, 141, 105964.	5.9	14
5	Design and Analysis of an Aerostatic Pad Controlled by a Diaphragm Valve. Lubricants, 2021, 9, 47.	2.9	6
6	On the Design of a Diaphragm Valve for Aerostatic Bearings. E3S Web of Conferences, 2020, 197, 07006.	0.5	4
7	The Challenges of Oil Free Bearings in Micro-turbomachinery. Mechanisms and Machine Science, 2022, , 403-411.	0.5	3
8	An Identification Method for Orifice-Type Restrictors Based on the Closed-Form Solution of Reynolds Equation. Lubricants, 2021, 9, 55.	2.9	2
9	An aerostatic pad with an internal pressure control. E3S Web of Conferences, 2020, 197, 07002.	0.5	2
10	Experimental and Numerical Dynamic Identification of an Aerostatic Electro-Spindle. Applied Sciences (Switzerland), 2021, 11, 11462.	2.5	2
11	Dynamic behaviour and stability analysis of a compensated aerostatic pad. E3S Web of Conferences, 2021, 312, 05003.	0.5	1
12	Air Pad Controlled by Means of a Diaphragm-Valve: Static and Dynamic Behaviour. Mechanisms and Machine Science, 2021, , 699-710.	0.5	1
13	Unbalance Response Analysis of a Spindle Supported on Gas Bearings: A Comparison between Different Approaches. Lubricants, 2022, 10, 127.	2.9	0