

# Bastian Meylan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1072670/publications.pdf>

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9  
papers

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citations

1684188  
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1588992  
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docs citations

9  
times ranked

190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Failure in Lubricated Surfaces Using Acoustic Time-Frequency Features and Random Forest Algorithm. IEEE Transactions on Industrial Informatics, 2017, 13, 1541-1553.	11.3	53
2	Acoustic emission and machine learning based classification of wear generated using a pin-on-disc tribometer equipped with a digital holographic microscope. Wear, 2021, 476, 203622.	3.1	24
3	Electro-fragmentation analysis of dielectric thin films on flexible polymer substrates. Thin Solid Films, 2009, 517, 2000-2006.	1.8	18
4	Effect of Surface Texturing on Cast Iron Reciprocating against Steel under Cyclic Loading in Boundary and Mixed Lubrication Conditions. Lubricants, 2018, 6, 2.	2.9	7
5	A new ball-on-disk vacuum tribometer with <i>in situ</i> measurement of the wear track by digital holographic microscopy. Surface Topography: Metrology and Properties, 2017, 5, 044004.	1.6	6
6	3D reconstruction of cracks propagation in mechanical workpieces analyzing non-stationary acoustic mixtures. Mechanical Systems and Signal Processing, 2019, 119, 55-64.	8.0	5
7	Acoustic Emission for In Situ Monitoring of Solid Materials Pre-Weakening by Electric Discharge: A Machine Learning Approach. IEEE Access, 2018, 6, 40313-40324.	4.2	4
8	Characterization of ablated porcine bone and muscle using laser-induced acoustic wave method for tissue differentiation. , 2017, , .		3
9	Acoustic emission and machine learning for in situ monitoring of a gold-copper ore weakening by electric pulse. Journal of Cleaner Production, 2021, 280, 124348.	9.3	2