

# SÃ©bastien Lalonde

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2952033/publications.pdf>

Version: 2024-02-01

12  
papers

233  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear damping calculation in cylindrical gear dynamic modeling. Journal of Sound and Vibration, 2012, 331, 2110-2128.	3.9	52
2	Modeling multilayered wire strands, a strategy based on 3D finite element beam-to-beam contacts - Part I: Model formulation and validation. International Journal of Mechanical Sciences, 2017, 126, 281-296.	6.7	50
3	Modeling multilayered wire strands, a strategy based on 3D finite element beam-to-beam contacts - Part II: Application to wind-induced vibration and fatigue analysis of overhead conductors. International Journal of Mechanical Sciences, 2017, 126, 297-307.	6.7	37
4	Numerical Analysis of ACSR Conductorâ€™s Clamp Systems Undergoing Wind-Induced Cyclic Loads. IEEE Transactions on Power Delivery, 2018, 33, 1518-1526.	4.3	35
5	A stochastic prediction of roughness evolution in dynamic contact modelling applied to gear mild wear and contact fatigue. Tribology International, 2019, 140, 105854.	5.9	16
6	Modeling and monitoring of tooth fillet crack growth in dynamic simulation of spur gear set. Journal of Sound and Vibration, 2015, 343, 144-165.	3.9	13
7	Fretting fatigue life assessment of overhead conductors using a clamp/conductor numerical model and biaxial fretting fatigue tests on individual wires. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 1498-1514.	3.4	13
8	Prediction of thin-rimmed gear crack propagation from a factorial design approach. Fatigue and Fracture of Engineering Materials and Structures, 2011, 34, 470-486.	3.4	7
9	Early diagnostic of concurrent gear degradation processes progressing under time-varying loads. Mechanical Systems and Signal Processing, 2016, 76-77, 337-352.	8.0	3
10	Tip relief designed to optimize contact fatigue life of spur gears using adapted PSO and Firefly algorithms. SN Applied Sciences, 2021, 3, 66.	2.9	3
11	Finite separation method: an efficient boundary element crack modeling technique. Computational Mechanics, 2009, 44, 791-807.	4.0	2
12	Fatigue strength evaluation for individual strands of overhead conductors using a biaxial fretting fatigue test bench. MATEC Web of Conferences, 2019, 300, 06003.	0.2	0