

# Lars Oliver Bernhammer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2713996/publications.pdf>

Version: 2024-02-01

16  
papers

130  
citations

1684188

5  
h-index

1588992

8  
g-index

16  
all docs

16  
docs citations

16  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue and extreme load reduction of wind turbine components using smart rotors. Journal of Wind Engineering and Industrial Aerodynamics, 2016, 154, 84-95.	3.9	44
2	Sizing and control of trailing edge flaps on a smart rotor for maximum power generation in low fatigue wind regimes. Wind Energy, 2016, 19, 607-624.	4.2	22
3	Geometrically Nonlinear Structural Modal Analysis Using Fictitious Masses. AIAA Journal, 2017, 55, 3584-3593.	2.6	15
4	Aeroelastic Control Using Distributed Floating Flaps Activated by Piezoelectric Tabs. Journal of Aircraft, 2013, 50, 732-740.	2.4	14
5	Gust load alleviation of an unmanned aerial vehicle wing using variable camber. Journal of Intelligent Material Systems and Structures, 2014, 25, 795-805.	2.5	12
6	Model Validation and Simulated Fatigue Load Alleviation of SNL SMART Rotor Experiment. , 2013, , .		5
7	Energy harvesting for actuators and sensors using free-floating flaps. Journal of Intelligent Material Systems and Structures, 2017, 28, 163-177.	2.5	5
8	Wind tunnel tests with combined pitch and free-floating flap control: data-driven iterative feedforward controller tuning. Wind Energy Science, 2016, 1, 205-220.	3.3	3
9	Sizing and Control of Trailing Edge Flaps on a Smart Rotor for Maximum Power Generation in Low Fatigue Wind Regimes. , 2014, , .		2
10	Structural Optimization of Multi-Megawatt, Offshore Vertical Axis Wind Turbine Rotors. , 2014, , .		2
11	Experimental and Numerical Investigation of an Autonomous Flap for Load Alleviation. Journal of Aircraft, 2017, 54, 464-475.	2.4	2
12	Wind Turbine Structural Model Using Non-Linear Modal Formulations. , 2014, , .		1
13	Combined structural optimization and aeroelastic analysis of a Vertical Axis Wind Turbine. , 2015, , .		1
14	Experimental investigation of an autonomous flap for load alleviation. , 2015, , .		1
15	Geometrically Non-linear Structural Dynamics using Increased-Order Modelling. , 2016, , .		1
16	Aeroelastic Time-Domain Simulation of SNL Smart Rotor Experiment. , 2015, , .		0