

# Bengt Oelmann

## List of Publications by Year in descending order

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34  
papers

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citations

1040056

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docs citations

34  
times ranked

283  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Performance of the Two-Diode Model for Photovoltaic Cells Under Indoor Artificial Lighting. IEEE Access, 2021, 9, 1350-1361.	4.2	9
2	Self-Powered Wireless Sensor Using a Pressure Fluctuation Energy Harvester. Sensors, 2021, 21, 1546.	3.8	8
3	System Implementation Trade-Offs for Low-Speed Rotational Variable Reluctance Energy Harvesters. Sensors, 2021, 21, 6317.	3.8	4
4	Design Optimization and Comparison of Cylindrical Electromagnetic Vibration Energy Harvesters. Sensors, 2021, 21, 7985.	3.8	8
5	Performance of An Electromagnetic Energy Harvester with Linear and Nonlinear Springs under Real Vibrations. Sensors, 2020, 20, 5456.	3.8	9
6	A Comparison of One- and Two-Diode Model Parameters at Indoor Illumination Levels. IEEE Access, 2020, 8, 172057-172064.	4.2	8
7	Power Estimation for Indoor Light Energy Harvesting Systems. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7513-7521.	4.7	25
8	Estimating Harvestable Energy in Time-Varying Indoor Light Conditions. , 2020, , .		3
9	Distributed Measurement of Light Conditions for Indoor Photovoltaic Applications. , 2020, , .		0
10	Suitability of Communication Technologies for Harvester-Powered IoT-Nodes. , 2019, , .		1
11	Energy-autonomous On-rotor RPM Sensor Using Variable Reluctance Energy Harvesting. , 2019, , .		2
12	One-diode photovoltaic model parameters at indoor illumination levels – A comparison. Solar Energy, 2019, 180, 707-716.	6.1	46
13	Design, modeling and optimization of an m-shaped variable reluctance energy harvester for rotating applications. Energy Conversion and Management, 2019, 195, 1280-1294.	9.2	14
14	A space-coiling resonator for improved energy harvesting in fluid power systems. Sensors and Actuators A: Physical, 2019, 291, 58-67.	4.1	10
15	A Scalable, Data-driven Approach for Power Estimation of Photovoltaic Devices under Indoor Conditions. , 2019, , .		5
16	A Survey on Variable Reluctance Energy Harvesters in Low-Speed Rotating Applications. IEEE Sensors Journal, 2018, 18, 3426-3435.	4.7	18
17	Torque sensor design considering thermal stability for harsh industrial environments. , 2018, , .		2
18	Force Transmission Interfaces for Pressure Fluctuation Energy Harvesters. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	An Apparatus for the Performance Estimation of Pressure Fluctuation Energy Harvesters. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2705-2713.	4.7	10
20	Torque Sensor Based on Differential Air Pressure Using Volumetric Strain. IEEE Sensors Journal, 2017, 17, 3269-3277.	4.7	5
21	Characterization of Indoor Light Conditions by Light Source Classification. IEEE Sensors Journal, 2017, 17, 3884-3891.	4.7	28
22	A concept for remotely reconfigurable solar energy harvesting testbeds. , 2017, , .		3
23	Investigation of a 2 V 1.1 kW MOSFET commutated DC motor. , 2016, , .		1
24	Initial characterization of a 2V 1.1kW MOSFET commutated DC motor. , 2016, , .		2
25	Functional verification of a torque sensor based on the volumetric strain method. , 2016, , .		1
26	The effects of temperature gradient on transient behavior of low-range differential air pressure calibration setup. , 2015, , .		6
27	Design optimization of differential air pressure sensor calibration setup for sensitivity minimization to thermal gradient. , 2015, , .		0
28	High Performance Reference Setup for Characterization and Calibration of Low-Range Differential Pressure Sensors. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 154-162.	4.7	5
29	On the Modeling of Solar-Powered Wireless Sensor Nodes. Journal of Sensor and Actuator Networks, 2014, 3, 207-223.	3.9	5
30	A comparative study of in-sensor processing vs. raw data transmission using ZigBee, BLE and Wi-Fi for data intensive monitoring applications. , 2014, , .		29
31	Remote image capturing with low-cost and low-power wireless camera nodes. , 2014, , .		0
32	Model and Placement Optimization of a Sky Surveillance Visual Sensor Network. , 2011, , .		7
33	Printed touch sensor for interactive packaging and display. , 2007, , .		14
34	Influence of Refresh Circuits Connected to Low Power Digital Quasi-Floating Gate Designs. , 2006, , .		3