

# Krzysztof Bernacki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9406319/publications.pdf>

Version: 2024-02-01

32  
papers

283  
citations

933447

10  
h-index

940533

16  
g-index

32  
all docs

32  
docs citations

32  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	ExoClock Project. II. A Large-scale Integrated Study with 180 Updated Exoplanet Ephemerides. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 40.	7.7	24
2	Recognition of the finger vascular system using multi-wavelength imaging. <i>IET Biometrics</i> , 2022, 11, 249-259.	2.5	1
3	Technical Limits of Passivity-Based Control Gains for a Single-Phase Voltage Source Inverter. <i>Energies</i> , 2021, 14, 4560.	3.1	7
4	Gathering Energy of the Stray Currents in Electrified Railways Environment for Power Supply. <i>Energies</i> , 2021, 14, 6206.	3.1	2
5	Modeling and CFD simulation of an isothermal heat flow microcalorimeter. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 112999.	4.1	2
6	Controlled Energy Flow in Z-Source Inverters. <i>Energies</i> , 2021, 14, 7272.	3.1	2
7	Measuring the power conversion losses in voltage source inverters. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 124, 153359.	2.9	14
8	Different Features of Control Systems for Single-Phase Voltage Source Inverters. <i>Energies</i> , 2020, 13, 4100.	3.1	11
9	Modified Distance Transformation for Image Enhancement in NIR Imaging of Finger Vein System. <i>Sensors</i> , 2020, 20, 1644.	3.8	4
10	Continuous-Time Approach to Discrete-Time PID Control for UPS Inverters - A Case Study. <i>Lecture Notes in Computer Science</i> , 2020, , 170-181.	1.3	1
11	Disturbance and Signal Filter for Power Line Communication. <i>Electronics (Switzerland)</i> , 2019, 8, 378.	3.1	8
12	Decreasing the Single-Phase Inverter Output Voltage Distortions Caused by Impedance Networks. <i>IEEE Transactions on Industry Applications</i> , 2019, 55, 7586-7594.	4.9	6
13	A High-Resolution Measurement System Designed for Semiconductor Microcalorimetry Sensors. <i>Electronics (Switzerland)</i> , 2019, 8, 1147.	3.1	2
14	Passivity-Based Control Design Methodology for UPS Systems. <i>Energies</i> , 2019, 12, 4301.	3.1	15
15	Design, Modeling and Simulation of PID Control for DC/AC Inverters. , 2019, , ,		3
16	Drawbacks of impedance networks. <i>International Journal of Circuit Theory and Applications</i> , 2018, 46, 612-628.	2.0	7
17	A Control for an Unbalanced 3-Phase Load in UPS Systems. <i>Elektronika Ir Elektrotehnika</i> , 2018, 24, .	0.8	7
18	Impact of NIR wavelength lighting in image acquisition on finger vein biometric system effectiveness. <i>Opto-electronics Review</i> , 2017, 25, 263-268.	2.4	11

#	ARTICLE	IF	CITATIONS
19	Selecting the coil core powder material for the output filter of a voltage source inverter. Electronics Letters, 2017, 53, 1068-1069.	1.0	15
20	Review of Image Quality Measures for Solar Imaging. Solar Physics, 2017, 292, 1.	2.5	11
21	BRITE Constellation: data processing and photometry. Astronomy and Astrophysics, 2017, 605, A26.	5.1	40
22	Some Aspects of Voltage Source Inverter Control. Elektronika Ir Elektrotehnika, 2017, 23, .	0.8	2
23	Electromagnetic Compatibility of Impedance Source Inverters. Elektronika Ir Elektrotehnika, 2017, 23, .	0.8	7
24	Sterowanie "Passivity Based Control" w trójfazowych falownikach napięcia przeznaczonych dla systemów UPS. Elektronika, 2017, 1, 4-8.	0.0	0
25	Different approaches to modelling single-phase voltage source inverters for uninterruptible power supply systems. IET Power Electronics, 2016, 9, 1513-1520.	2.1	19
26	The dynamic properties of a single-phase transformer-based inverter for ups systems. International Journal of Circuit Theory and Applications, 2016, 44, 444-459.	2.0	3
27	Poziomy emisji elektromagnetycznej wysokich częstotliwości w środowisku zurbanizowanym. Przegląd Elektrotechniczny, 2016, 1, 11-14.	0.2	0
28	NIR finger vascular system imaging in angiology applications. , 2015, , .		3
29	Electromagnetic compatibility of voltage source inverters for uninterruptible power supply system depending on the pulse-width modulation scheme. IET Power Electronics, 2015, 8, 1026-1034.	2.1	22
30	A Passive FPAA-Based RF Scatter Meteor Detector. Publications of the Astronomical Society of the Pacific, 2015, 127, 152-160.	3.1	4
31	Influence of $Z_{\text{source}}$ source output impedance on dynamic properties of single-phase voltage source inverters for uninterrupted power supply. IET Power Electronics, 2014, 7, 1978-1988.	2.1	26
32	The influence of the properties of magnetic materials on a voltage source inverter control. , 2014, , .		4