

Ben Minnaert

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

558
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840776

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all docs

43
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43
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	A Proposal for Typical Artificial Light Sources for the Characterization of Indoor Photovoltaic Applications. <i>Energies</i> , 2014, 7, 1500-1516.	3.1	135
2	Europe and the Future for WPT : European Contributions to Wireless Power Transfer Technology. <i>IEEE Microwave Magazine</i> , 2017, 18, 56-87.	0.8	59
3	Efficiency potential of organic bulk heterojunction solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2007, 15, 741-748.	8.1	57
4	A Review of the Current State of Technology of Capacitive Wireless Power Transfer. <i>Energies</i> , 2021, 14, 5862.	3.1	35
5	Efficiency simulations of thin film chalcogenide photovoltaic cells for different indoor lighting conditions. <i>Thin Solid Films</i> , 2011, 519, 7537-7540.	1.8	32
6	Guidelines for the Bandgap Combinations and Absorption Windows for Organic Tandem and Triple-Junction Solar Cells. <i>Materials</i> , 2012, 5, 1933-1953.	2.9	29
7	Conjugate Image Theory Applied on Capacitive Wireless Power Transfer. <i>Energies</i> , 2017, 10, 46.	3.1	28
8	Maximizing the Power Transfer for a Mixed Inductive and Capacitive Wireless Power Transfer System. , 2018, , .		22
9	Empirical study of the characteristics of current-state organic bulk heterojunction solar cells. <i>EPJ Applied Physics</i> , 2007, 38, 111-114.	0.7	14
10	Optimal Analytical Solution for a Capacitive Wireless Power Transfer System with One Transmitter and Two Receivers. <i>Energies</i> , 2017, 10, 1444.	3.1	14
11	An effective medium model versus a network model for nanostructured solar cells. <i>Comptes Rendus Chimie</i> , 2006, 9, 735-741.	0.5	12
12	Single variable expressions for the efficiency of a reciprocal power transfer system. <i>International Journal of Circuit Theory and Applications</i> , 2017, 45, 1418-1430.	2.0	12
13	Constant capacitive wireless power transfer at variable coupling. , 2018, , .		9
14	Optimal Terminations for a Single-Input Multiple-Output Resonant Inductive WPT Link. <i>Energies</i> , 2020, 13, 5157.	3.1	9
15	The Suitability of Organic Solar Cells for Different Indoor Conditions. <i>Advances in Science and Technology</i> , 2010, 74, 170-175.	0.2	8
16	Coupling-Independent Capacitive Wireless Power Transfer Using Frequency Bifurcation. <i>Energies</i> , 2018, 11, 1912.	3.1	8
17	Wireless energy transfer by means of inductive coupling for dairy cow health monitoring. <i>Computers and Electronics in Agriculture</i> , 2018, 152, 101-108.	7.7	7
18	Capacitive Wireless Power Transfer with Multiple Transmitters: Efficiency Optimization. <i>Energies</i> , 2020, 13, 3482.	3.1	7

#	ARTICLE	IF	CITATIONS
19	Maximum efficiency solution for capacitive wireless power transfer with N receivers. <i>Wireless Power Transfer</i> , 2020, 7, 65-75.	1.1	6
20	Optimal energy storage solution for an inductively powered system for dairy cows. , 2017, , .		5
21	Challenges for Wireless Power Transfer in Building-Integrated Photovoltaics. , 2018, , .		5
22	Optimizing the Power Output for a Capacitive Wireless Power Transfer System with N receivers. , 2019, , .		5
23	Multiple Input Multiple Output Resonant Inductive WPT Link: Optimal Terminations for Efficiency Maximization. <i>Energies</i> , 2021, 14, 2194.	3.1	5
24	Device Modeling of Nano-Structured Solar Cells. , 2006, , 45-80.		4
25	Simulation of the influence of the absorption window for stacked and monolithic organic tandem solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1125-1131.	6.2	4
26	Numerical assessment of EMF exposure of a cow to a wireless power transfer system for dairy cattle. <i>Computers and Electronics in Agriculture</i> , 2018, 151, 219-225.	7.7	4
27	The Potential of Tandem Photovoltaic Solar Cells for Indoor Applications. , 0, , .		4
28	Conjugate image theory for non-symmetric inductive, capacitive and mixed coupling. , 2017, , .		3
29	Design of a Capacitive Wireless Power Transfer Link with Minimal Receiver Circuitry. , 2018, , .		3
30	Gain Expressions for Capacitive Wireless Power Transfer with One Electric Field Repeater. <i>Electronics (Switzerland)</i> , 2021, 10, 723.	3.1	3
31	Analysis of Capacitive Wireless Power Transfer SIMO Systems based on the Duality Principle. , 2021, , .		2
32	Power maximization for a multiple-input and multiple-output wireless power transfer system described by the admittance matrix. , 2020, , .		2
33	Modelling of organic triple-junction solar cells. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
34	Evaluation of the vertical magnetic field generated by a spiral planar coil. , 2015, , .		1
35	Experimental characterization methods for the electromagnetic emission of inductive wireless power circuits. , 2015, , .		1
36	The feasibility of wireless power transfer integration in contemporary furniture. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	Efficiency Angle for Wireless Power Transfer Systems with Multiple Receivers. , 2021, , .		1
38	General Procedure to Optimize a MIMO Capacitive Wireless Power Transfer System. , 2021, , .		1
39	Dedicated computational models for the electromagnetic emissions of integrated circuits. , 2015, , .		0
40	An improved algorithm for the creation of homogeneous magnetic field distributions. , 2015, , .		0
41	The Theoretical Influence of the Difference Between the LUMO Energy Levels of Donor and Acceptor in Organic Photovoltaic Triplejunction Solar Cells. , 0, , .		0
42	Efficiency Angle as Figure of Merit for Reciprocal MIMO Networks. , 2021, , .		0
43	Multiple Inputs Inductive WPT: Efficiency Analysis by Using a Generalized Eigenvalue Approach. , 2021, , .		0