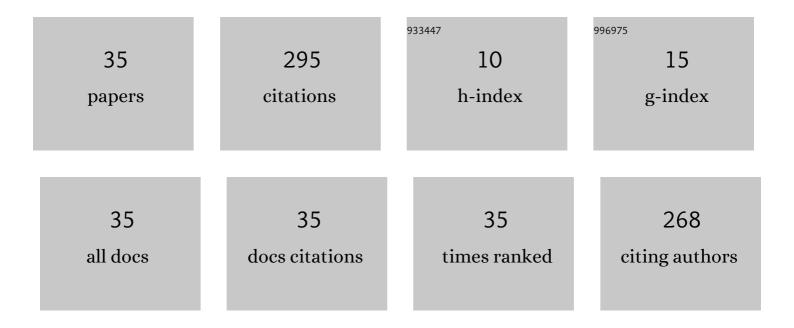
Dejan Vasic

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9772852/publications.pdf Version: 2024-02-01



DEIAN VASIC

#	Article	IF	CITATIONS
1	Self-powered piezoelectric energy harvester for bicycle. Journal of Mechanical Science and Technology, 2014, 28, 2501-2510.	1.5	32
2	Study of a piezoelectric switching circuit for energy harvesting with bistable broadband technique by work-cycle analysis. Journal of Intelligent Material Systems and Structures, 2013, 24, 180-193.	2.5	29
3	Piezoelectric micro-transformer based on SOI structure. Sensors and Actuators A: Physical, 2005, 117, 317-324.	4.1	26
4	Self-powered piezoelectric energy harvesting device using velocity control synchronized switching technique. , 2010, , .		24
5	Design of fixed frequency controlled radial-mode stacked disk-type piezoelectric transformers for DC/DC converter applications. Smart Materials and Structures, 2009, 18, 085025.	3.5	18
6	Self-powered semi-passive piezoelectric structural damping based on zero-velocity crossing detection. Smart Materials and Structures, 2013, 22, 025029.	3.5	18
7	Power enhancement of piezoelectric transformers by adding heat transfer equipment. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2129-2136.	3.0	17
8	Piezoelectric micro-transformer based on PZT unimorph membrane. Journal of Micromechanics and Microengineering, 2004, 14, S90-S96.	2.6	16
9	A non-contact mechanical solution for implementing synchronized switching techniques for energy harvesting using reed switches. Smart Materials and Structures, 2016, 25, 125013.	3.5	12
10	Electromagnetic Interference Analysis of DC–DC Converters Based on Piezoelectric Transformers. Japanese Journal of Applied Physics, 2010, 49, 061501.	1.5	11
11	Modeling of piezoelectric energy harvester with multi-mode dynamic magnifier with matrix representation. International Journal of Applied Electromagnetics and Mechanics, 2013, 43, 237-255.	0.6	11
12	Semi-passive piezoelectric structural damping based on a pulse-width modulation switching circuit. Journal of Mechanical Science and Technology, 2013, 27, 3625-3633.	1.5	9
13	Piezoelectric transformer-based DC/DC converter with improved burst-mode control. , 2013, , .		9
14	Self-Powered Electronics for Piezoelectric Energy Harvesting Devices. , 2012, , .		7
15	Magnetic plucked meso-scale piezoelectric energy harvester for low-frequency rotational motion. Smart Materials and Structures, 2021, 30, 105014.	3.5	7
16	Self-powered piezoelectric energy harvester for bicycle. , 2013, , .		5
17	Electrical Interfacing Circuit Discussion of Galloping-based Piezoelectric Energy Harvester. Physics Procedia, 2015, 70, 1017-1021.	1.2	5
18	Synchronized switch harvesting applied to piezoelectric flags. Smart Materials and Structures, 2016, 25, 085004.	3.5	5

DEJAN VASIC

#	Article	IF	CITATIONS
19	Small power step-up converter for driving flapping wings of the micro robotic insects. , 2012, , .		4
20	Study of a piezoelectric transformer-based DC/DC converter with a cooling system and current-doubler rectifier. Smart Materials and Structures, 2013, 22, 095005.	3.5	4
21	Improvement of burst-mode control of piezoelectric transformer based DC/DC converter. Smart Materials and Structures, 2013, 22, 055020.	3.5	4
22	Energy recovery power supply for piezoelectric actuator. , 2014, , .		4
23	Fixed frequency controlled piezoelectric 10W DC/DC converter. , 2010, , .		3
24	Application of thermoelectricity to IGBT for temperature regulation and energy harvesting. , 2012, , .		3
25	Design considerations of Piezoelectric transformers with voltage-mode rectifiers for DC/DC converter application. , 2008, , .		2
26	Piezoelectric energy harvester with PWM electric interface. , 2013, , .		2
27	Energy recovery DC/AC converter for piezoelectric transformer. , 2014, , .		2
28	Energy harvesting of two cantilever beams structure: interfacing circuit discussion. , 2015, , .		2
29	Modeling of a multi-electrodes traveling-wave piezoelectric transformer. , 2018, , .		2
30	EMI analysis of a DC-DC converter using a piezoelectric transformer. , 2009, , .		1
31	Comparison of Piezoelectric Structural Damping Based on Velocity Controlled Switching and Pulse Width Modulation Switching Circuits. , 2012, , .		1
32	Comparison of bistable magnetic non-linear piezoelectric energy harvester with traditional linear technique. , 2012, , .		0
33	Interfacing circuit for two galloping-based piezoelectric energy harveter. , 2015, , .		Ο
34	Design of piezoelectric transformer for DC/DC converter with stochastic optimization method. , 2016, , .		0
35	Representation of a multi-electrodes piezoelectric transformer by experimental extraction of its electric parameters. , 2019, , .		0