

Dejan Vasic

List of Publications by Year in descending order

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35
papers

295
citations

933447

10
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

268
citing authors

#	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

#	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 harvester. , 2015, , .		0
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