

Baoxing Chen

List of Publications by Year in descending order

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27
papers

557
citations

840776

11
h-index

888059

17
g-index

27
all docs

27
docs citations

27
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Thermoelectric Properties of the New Ternary Bismuth Sulfides $\text{KBi}_{6.33}\text{S}_{10}$ and $\text{K}_2\text{Bi}_8\text{S}_{13}$. Chemistry of Materials, 1996, 8, 1465-1474.	6.7	130
2	Power density optimization for micro thermoelectric generators. Energy, 2015, 93, 2006-2017.	8.8	76
3	High-Bandwidth Low-Insertion Loss Solenoid Transformers Using FeCoB Multilayers. IEEE Transactions on Power Electronics, 2013, 28, 4395-4401.	7.9	47
4	RF Magnetic Properties of $\text{FeCoB}/\text{Al}_{2}\text{O}_{3}/\text{FeCoB}$ Structure With Varied $\text{Al}_{2}\text{O}_{3}$ Thickness. IEEE Transactions on Magnetics, 2011, 47, 3104-3107.	2.1	35
5	An alternate route to giant magnetoresistance in MBE-grown Co/Cu superlattices (invited). Journal of Applied Physics, 1994, 75, 6174-6177.	2.5	29
6	Isolated half-bridge gate driver with integrated high-side supply. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	29
7	Fully integrated isolated dc-dc converter using micro-transformers. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	23
8	A Fully Isolated Delta-Sigma ADC for Shunt Based Current Sensing. IEEE Journal of Solid-State Circuits, 2016, 51, 2232-2240.	5.4	20
9	Experimental Characterization of Microfabricated Thermoelectric Energy Harvesters for Smart Sensor and Wearable Applications. Advanced Materials Technologies, 2018, 3, 1700383.	5.8	17
10	Heat conduction of (111) Co/Cu superlattices. Journal of Applied Physics, 1997, 81, 4586-4588.	2.5	14
11	Fabrication and Characterization of Bi_2Te_3 -Based Chip-Scale Thermoelectric Energy Harvesting Devices. Journal of Electronic Materials, 2017, 46, 2844-2846.	2.2	14
12	Deposition and Fabrication of Sputtered Bismuth Telluride and Antimony Telluride for Microscale Thermoelectric Energy Harvesters. Thin Solid Films, 2021, 717, 138444.	1.8	14
13	Isolation in Digital Power Supplies Using Micro-Transformers. , 2009, , .		12
14	A transformer-based digital isolator with 20kVpk surge capability and $> 200\text{kV}/\mu\text{s}$ Common Mode Transient Immunity. , 2016, , .		12
15	Searching for New Thermoelectrics in Chemically and Structurally Complex Bismuth Chalcogenides. Materials Research Society Symposia Proceedings, 1997, 478, 333.	0.1	11
16	An isolated DC-DC converter with fully integrated magnetic core transformer. , 2017, , .		10
17	A Fully Isolated Amplifier Based on Charge-Balanced SAR Converters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1795-1804.	5.4	10
18	A 52% Peak Efficiency $> 1\text{-W}$ Isolated Power Transfer System Using Fully Integrated Transformer With Magnetic Core. IEEE Journal of Solid-State Circuits, 2019, 54, 3326-3335.	5.4	10

#	ARTICLE	IF	CITATIONS
19	Complex bismuth chalcogenides as thermoelectrics. , 0, , .		8
20	4A isolated half-bridge gate driver with 4.5V to 18V output drive voltage. , 2014, , .		8
21	Thermoelectric Properties of RhSb ₃ Crystals and Thin Films. Materials Research Society Symposia Proceedings, 1996, 452, 1037.	0.1	6
22	Chip-scale thermal energy harvester using Bi ₂ Te ₃ . , 2015, , .		6
23	An All-Digital Gigahertz Class-S Transmitter in a 65-nm CMOS. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 1402-1411.	3.1	5
24	Introduction to Energy Harvesting Transducers and Their Power Conditioning Circuits. , 2019, , 3-12.		5
25	Modeling and Optimization of Small Thermoelectric Generators for Low-Power Electronics. , 2013, , .		4
26	A fully isolated delta-sigma ADC for shunt based current sensing. , 2015, , .		1
27	Polyimide Films for Digital Isolators. , 0, , .		1