

# Baoxing Chen

## List of Publications by Year in descending order

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27  
papers

557  
citations

840776

11  
h-index

888059

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g-index

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docs citations

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times ranked

562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition and Fabrication of Sputtered Bismuth Telluride and Antimony Telluride for Microscale Thermoelectric Energy Harvesters. <i>Thin Solid Films</i> , 2021, 717, 138444.	1.8	14
2	A 52% Peak Efficiency &gt; 1-W Isolated Power Transfer System Using Fully Integrated Transformer With Magnetic Core. <i>IEEE Journal of Solid-State Circuits</i> , 2019, 54, 3326-3335.	5.4	10
3	Introduction to Energy Harvesting Transducers and Their Power Conditioning Circuits. , 2019, , 3-12.		5
4	A Fully Isolated Amplifier Based on Charge-Balanced SAR Converters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2018, 65, 1795-1804.	5.4	10
5	Experimental Characterization of Microfabricated Thermoelectric Energy Harvesters for Smart Sensor and Wearable Applications. <i>Advanced Materials Technologies</i> , 2018, 3, 1700383.	5.8	17
6	An isolated DC-DC converter with fully integrated magnetic core transformer. , 2017, , .		10
7	Fabrication and Characterization of Bi <sub>2</sub> Te <sub>3</sub> -Based Chip-Scale Thermoelectric Energy Harvesting Devices. <i>Journal of Electronic Materials</i> , 2017, 46, 2844-2846.	2.2	14
8	A Fully Isolated Delta-Sigma ADC for Shunt Based Current Sensing. <i>IEEE Journal of Solid-State Circuits</i> , 2016, 51, 2232-2240.	5.4	20
9	A transformer-based digital isolator with 20kV <sub>PK</sub> surge capability and &gt; 200kV/Âµs Common Mode Transient Immunity. , 2016, , .		12
10	An All-Digital Gigahertz Class-S Transmitter in a 65-nm CMOS. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2016, 24, 1402-1411.	3.1	5
11	Chip-scale thermal energy harvester using Bi <sub>2</sub> Te <sub>3</sub> . , 2015, , .		6
12	A fully isolated delta-sigma ADC for shunt based current sensing. , 2015, , .		1
13	Power density optimization for micro thermoelectric generators. <i>Energy</i> , 2015, 93, 2006-2017.	8.8	76
14	4A isolated half-bridge gate driver with 4.5V to 18V output drive voltage. , 2014, , .		8
15	High-Bandwidth Low-Insertion Loss Solenoid Transformers Using FeCoB Multilayers. <i>IEEE Transactions on Power Electronics</i> , 2013, 28, 4395-4401.	7.9	47
16	Modeling and Optimization of Small Thermoelectric Generators for Low-Power Electronics. , 2013, , .		4
17	RF Magnetic Properties of FeCoB/Al <sub>2</sub> O <sub>3</sub> /FeCoB Structure With Varied Al <sub>2</sub> O <sub>3</sub> Thickness. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 3104-3107.	2.1	35
18	Isolation in Digital Power Supplies Using Micro-Transformers. , 2009, , .		12

#	ARTICLE	IF	CITATIONS
19	Fully integrated isolated dc-dc converter using micro-transformers. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	23
20	Isolated half-bridge gate driver with integrated high-side supply. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	29
21	Heat conduction of (111) Co/Cu superlattices. Journal of Applied Physics, 1997, 81, 4586-4588.	2.5	14
22	Searching for New Thermoelectrics in Chemically and Structurally Complex Bismuth Chalcogenides. Materials Research Society Symposia Proceedings, 1997, 478, 333.	0.1	11
23	Synthesis and Thermoelectric Properties of the New Ternary Bismuth Sulfides KBi <sub>6</sub> SS <sub>10</sub> and K <sub>2</sub> Bi <sub>8</sub> S <sub>13</sub> . Chemistry of Materials, 1996, 8, 1465-1474.	6.7	130
24	Thermoelectric Properties of RhSb <sub>3</sub> Crystals and Thin Films. Materials Research Society Symposia Proceedings, 1996, 452, 1037.	0.1	6
25	An alternate route to giant magnetoresistance in MBE-grown Co-Cu superlattices (invited). Journal of Applied Physics, 1994, 75, 6174-6177.	2.5	29
26	Complex bismuth chalcogenides as thermoelectrics. , 0, , .		8
27	Polyimide Films for Digital Isolators. , 0, , .		1