

Ting Chia Chang

List of Publications by Year in descending order

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21
papers

2,959
citations

1040056

9
h-index

1281871

11
g-index

21
all docs

21
docs citations

21
times ranked

4689
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Single Layered WSe ₂ p-FETs with Chemically Doped Contacts. Nano Letters, 2012, 12, 3788-3792.	9.1	1,547
2	Degenerate n-Doping of Few-Layer Transition Metal Dichalcogenides by Potassium. Nano Letters, 2013, 13, 1991-1995.	9.1	651
3	A mm-Sized Implantable Medical Device (IMD) With Ultrasonic Power Transfer and a Hybrid Bi-Directional Data Link. IEEE Journal of Solid-State Circuits, 2015, 50, 1741-1753.	5.4	192
4	A mm-Sized Wireless Implantable Device for Electrical Stimulation of Peripheral Nerves. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 257-270.	4.0	171
5	A Miniaturized Single-Transducer Implantable Pressure Sensor With Time-Multiplexed Ultrasonic Data and Power Links. IEEE Journal of Solid-State Circuits, 2018, 53, 1089-1101.	5.4	99
6	Near-ideal electrical properties of InAs/WSe ₂ van der Waals heterojunction diodes. Applied Physics Letters, 2013, 102, .	3.3	71
7	Design of Tunable Ultrasonic Receivers for Efficient Powering of Implantable Medical Devices With Reconfigurable Power Loads. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 1554-1562.	3.0	43
8	End-to-End Design of Efficient Ultrasonic Power Links for Scaling Towards Submillimeter Implantable Receivers. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1100-1111.	4.0	43
9	Sound Technologies, Sound Bodies: Medical Implants with Ultrasonic Links. IEEE Microwave Magazine, 2016, 17, 39-54.	0.8	40
10	A mm-sized implantable device with ultrasonic energy transfer and RF data uplink for high-power applications. , 2014, , .		24
11	A miniaturized ultrasonically powered programmable optogenetic implant stimulator system. , 2016, , .		22
12	Ultrasonic Implant Localization for Wireless Power Transfer: Active Uplink and Harmonic Backscatter. , 2019, , .		13
13	Scaling of ultrasound-powered receivers for sub-millimeter wireless implants. , 2017, , .		12
14	Assessment of miniaturized ultrasound-powered implants: an in vivo study. Journal of Neural Engineering, 2020, 17, 016072.	3.5	8
15	Multi-Access Networking with Wireless Ultrasound-Powered Implants. , 2019, 2019, .		7
16	Design of high-efficiency miniaturized ultrasonic receivers for powering medical implants with reconfigurable power levels. , 2015, , .		4
17	Closed-loop ultrasonic power and communication with multiple miniaturized active implantable medical devices. , 2017, , .		4
18	Closed-loop ultrasonic power and communication with multiple miniaturized active implantable medical devices. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
19	The power of sound: miniaturized medical implants with ultrasonic links. , 2017, , .		2
20	Thermal analysis of ultrasound-powered miniaturized implants: A tissue-phantom study. Journal of the Acoustical Society of America, 2018, 143, 3373-3382.	1.1	1
21	Ultrasonic Implant Localization for Wireless Power Transfer: Active Uplink and Harmonic Backscatter. Ultrasonics Symposium (IUS), 2009 IEEE International, 2019, 2019, 818-821.	0.0	1