Pyungwoo Yeon

List of Publications by Year
in descending order

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17	453	1040056	1281871
papers	citations	9	11
		h-index	g-index

17	17	17	567
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An RF-Ultrasound Relay for Adaptive Wireless Powering Across Tissue Interfaces. IEEE Journal of Solid-State Circuits, 2022, 57, 3429-3441.	5.4	4
2	Microfabrication, Coil Characterization, and Hermetic Packaging of Millimeter-Sized Free-Floating Neural Probes. IEEE Sensors Journal, 2021, 21, 13837-13848.	4.7	5
3	Optimal Design of Passive Resonating Wireless Sensors for Wearable and Implantable Devices. IEEE Sensors Journal, 2019, 19, 7460-7470.	4.7	13
4	Automated High-Throughput Hermetic Failure Monitoring System for Millimeter-Sized Wireless Implantable Medical Devices. , 2019, , .		4
5	Chip-Scale Coils for Millimeter-Sized Bio-Implants. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1088-1099.	4.0	38
6	Towards a 1.1 mm² free-floating wireless implantable neural recording SoC. , 2018, , .		27
7	Robust Wireless Power Transmission to mm-Sized Free-Floating Distributed Implants. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 692-702.	4.0	94
8	All-soft, battery-free, and wireless chemical sensing platform based on liquid metal for liquid- and gas-phase VOC detection. Lab on A Chip, 2017, 17, 2323-2329.	6.0	40
9	Feasibility Study on Active Back Telemetry and Power Transmission Through an Inductive Link for Millimeter-Sized Biomedical Implants. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1366-1376.	4.0	38
10	Millimeter-scale integrated and wirewound coils for powering implantable neural microsystems. , 2017, , .		10
11	Wireless coil array sensors for monitoring hermetic failure of millimeter-sized biomedical implants. , 2017, , .		1
12	Fabrication and Microassembly of a mm-Sized Floating Probe for a Distributed Wireless Neural Interface. Micromachines, 2016, 7, 154.	2.9	31
13	Optimal design of a 3-coil inductive link for millimeter-sized biomedical implants. , 2016, , .		15
14	A Multicycle Q-Modulation for Dynamic Optimization of Inductive Links. IEEE Transactions on Industrial Electronics, 2016, 63, 5091-5100.	7.9	37
15	A multi-cycle Q-modulation technique for wirelessly-powered biomedical implants. , 2015, , .		4
16	Wireless Power Transfer With Zero-Phase-Difference Capacitance Control. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 938-947.	5.4	21
17	A Q-Modulation Technique for Efficient Inductive Power Transmission. IEEE Journal of Solid-State Circuits, 2015, 50, 2839-2848.	5.4	71