

Uei-Ming Jow

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,862
citations

1163117

8
h-index

1588992

8
g-index

15
all docs

15
docs citations

15
times ranked

1450
citing authors

#	ARTICLE	IF	CITATIONS
1	EnerCage: A Smart Experimental Arena With Scalable Architecture for Behavioral Experiments. IEEE Transactions on Biomedical Engineering, 2014, 61, 139-148.	4.2	50
2	Geometrical Design of a Scalable Overlapping Planar Spiral Coil Array to Generate a Homogeneous Magnetic Field. IEEE Transactions on Magnetics, 2013, 49, 2933-2945.	2.1	56
3	A smart cage for behavioral experiments on small freely behaving animal subjects. , 2013, , .		3
4	Real time control of a wireless powering and tracking system for long-term and large-area electrophysiology experiments. , 2012, , .		3
5	Towards a Smart Experimental Arena for Long-Term Electrophysiology Experiments. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 414-423.	4.0	37
6	Design and Optimization of a 3-Coil Inductive Link for Efficient Wireless Power Transmission. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 579-591.	4.0	505
7	Towards a smart experimental arena for long-term electrophysiology experiments. , 2011, , .		6
8	An Inductively Powered Scalable 32-Channel Wireless Neural Recording System-on-a-Chip for Neuroscience Applications. IEEE Transactions on Biomedical Circuits and Systems, 2010, 4, 360-371.	4.0	161
9	Optimization of Data Coils in a Multiband Wireless Link for Neuroprosthetic Implantable Devices. IEEE Transactions on Biomedical Circuits and Systems, 2010, 4, 301-310.	4.0	104
10	An inductively powered scalable 32-channel wireless neural recording system-on-a-chip for neuroscience applications. , 2010, 2010, 120-121.		111
11	Modeling and optimization of printed spiral coils in air and muscle tissue environments. , 2009, 2009, 6387-90.		5
12	Modeling and Optimization of Printed Spiral Coils in Air, Saline, and Muscle Tissue Environments. IEEE Transactions on Biomedical Circuits and Systems, 2009, 3, 339-347.	4.0	256
13	Optimization of a multiband wireless link for neuroprosthetic implantable devices. , 2008, , .		9
14	Design and Optimization of Printed Spiral Coils for Efficient Transcutaneous Inductive Power Transmission. IEEE Transactions on Biomedical Circuits and Systems, 2007, 1, 193-202.	4.0	540
15	Design and Optimization of Printed Spiral Coils for Efficient Inductive Power Transmission. , 2007, , .		16