

# Shawn K Kelly

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8872451/publications.pdf>

Version: 2024-02-01

24  
papers

1,728  
citations

1683354

5  
h-index

1719596

7  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adiabatic Electrode Stimulator. , 2022, , 1157-1183.		0
2	Residual voltage as an ad-hoc indicator of electrode damage in biphasic electrical stimulation. Journal of Neural Engineering, 2021, 18, 0460c1.	1.8	1
3	The Boston Retinal Implant. , 2017, , 85-97.		3
4	On using residual voltage to estimate electrode model parameters for damage detection. , 2015, 2015, .		1
5	Adiabatic Electrode Stimulator. , 2015, , 1-28.		0
6	Redundant safety features in a high-channel-count retinal neurostimulator. , 2014, 2014, 216-219.		3
7	Developments on the Boston 256-channel retinal implant. , 2013, , .		19
8	On the cause and control of residual voltage generated by electrical stimulation of neural tissue. , 2012, 2012, 3899-902.		13
9	ASIC design and data communications for the Boston retinal prosthesis. , 2012, 2012, 292-5.		13
10	Overview of the boston retinal prosthesis: Challenges and opportunities to restore useful vision to the blind. , 2011, 2011, 7492-5.		14
11	A Power-Efficient Neural Tissue Stimulator With Energy Recovery. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 20-29.	2.7	95
12	A Hermetic Wireless Subretinal Neurostimulator for Vision Prostheses. IEEE Transactions on Biomedical Engineering, 2011, 58, 3197-3205.	2.5	99
13	Communication and control system for a 15-channel hermetic retinal prosthesis. Biomedical Signal Processing and Control, 2011, 6, 356-363.	3.5	4
14	Development of the boston retinal prosthesis. , 2011, 2011, 3135-8.		10
15	Calcium channel dynamics limit synaptic release in response to prosthetic stimulation with sinusoidal waveforms. Journal of Neural Engineering, 2011, 8, 046005.	1.8	23
16	In vivo operation of the Boston 15-channel wireless subretinal visual prosthesis. Proceedings of SPIE, 2010, , .	0.8	4
17	Optimal primary coil size for wireless power telemetry to medical implants. , 2010, , .		6
18	Development and Implantation of a Minimally Invasive Wireless Subretinal Neurostimulator. IEEE Transactions on Biomedical Engineering, 2009, 56, 2502-2511.	2.5	141

#	ARTICLE	IF	CITATIONS
19	The boston retinal prosthesis: A 15-channel hermetic wireless neural stimulator. , 2009, , .		10
20	Visual prostheses: Current progress and challenges. , 2009, , .		4
21	Realization of a 15-channel, hermetically-encased wireless subretinal prosthesis for the blind. , 2009, 2009, 200-3.		23
22	Methods and Perceptual Thresholds for Short-Term Electrical Stimulation of Human Retina with Microelectrode Arrays. , 2003, 44, 5355.		365
23	Perceptual Efficacy of Electrical Stimulation of Human Retina with a Microelectrode Array during Short-Term Surgical Trials. , 2003, 44, 5362.		468
24	The electrical conductivity of human cerebrospinal fluid at body temperature. IEEE Transactions on Biomedical Engineering, 1997, 44, 220-223.	2.5	409