

# Erin Patrick

## List of Publications by Year in descending order

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20  
papers

659  
citations

933264

10  
h-index

1058333

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving From Wired to Wireless Brain Stimulation to Treat Movement Disorders: Are We Breaking Ground?. <i>Movement Disorders</i> , 2021, 36, 610-610.	2.2	0
2	A multi-channel peripheral nerve stimulator with integrate-and-fire encoding. <i>Journal of Medical Engineering and Technology</i> , 2021, 45, 187-196.	0.8	0
3	Modeling Process and Device Behavior of Josephson Junctions in Superconductor Electronics With TCAD. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 5448-5454.	1.6	5
4	Effects of Varied Stimulation Parameters on Adipose-Derived Stem Cell Response to Low-Level Electrical Fields. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3401-3411.	1.3	6
5	Thermal Simulations of High Current $\text{In}^2\text{-Ga}_{2\text{O}_3}$ Schottky Rectifiers. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q3195-Q3201.	0.9	31
6	Effects of fluorine incorporation into $\text{In}^2\text{-Ga}_2\text{O}_3$ . <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	27
7	Thermal Stability of Implanted or Plasma Exposed Deuterium in Single Crystal $\text{Ga}_{2\text{O}_3}$ . <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, Q3026-Q3029.	0.9	19
8	Extraction of Migration Energies and Role of Implant Damage on Thermal Stability of Deuterium in $\text{Ga}_{2\text{O}_3}$ . <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, P794-P797.	0.9	16
9	Deuterium incorporation and diffusivity in plasma-exposed bulk $\text{Ga}_2\text{O}_3$ . <i>Applied Physics Letters</i> , 2016, 109, .	1.5	16
10	Review of Ionizing Radiation Damage Effects on GaN Devices. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, Q35-Q60.	0.9	243
11	Total Dose Radiation Damage: A Simulation Framework. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 1650-1657.	1.2	11
12	Electrode impedance analysis of chronic tungsten microwire neural implants: understanding abiotic vs. biotic contributions. <i>Frontiers in Neuroengineering</i> , 2014, 7, 13.	4.8	67
13	Effect of proton irradiation on AlGaIn/GaN high electron mobility transistor off-state drain breakdown voltage. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	21
14	Enhancement of AlGaIn/GaN high electron mobility transistors off-state drain breakdown voltage via backside proton irradiation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014, 32, 021203.	0.6	7
15	Modeling Proton Irradiation in AlGaIn/GaN HEMTs: Understanding the Increase of Critical Voltage. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 4103-4108.	1.2	34
16	Corrosion of tungsten microelectrodes used in neural recording applications. <i>Journal of Neuroscience Methods</i> , 2011, 198, 158-171.	1.3	142
17	An implantable integrated low-power amplifier-microelectrode array for Brain-Machine Interfaces. , 2010, 2010, 1816-9.		4
18	Design of an implantable intracortical microelectrode system for brain-machine interfaces. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
19	Flexible polymer substrate and tungsten microelectrode array for an implantable neural recording system. , 2008, 2008, 3158-61.		7
20	Design and Fabrication of a Flexible Substrate Microelectrode Array for Brain Machine Interfaces. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0