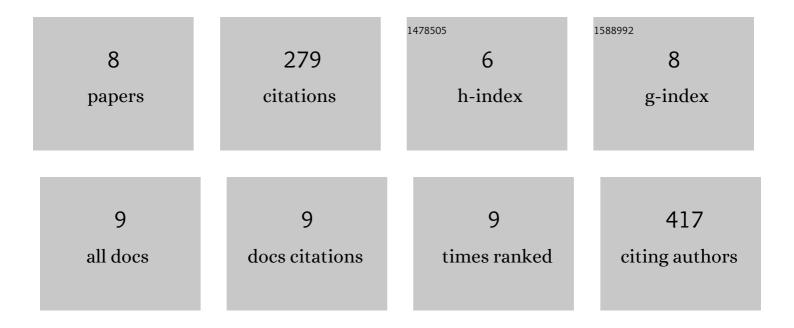
## Ryan Caldwell

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7489370/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Long-term reliability of Al <sub>2</sub> O <sub>3</sub> and Parylene C bilayer encapsulated Utah electrode array based neural interfaces for chronic implantation. Journal of Neural Engineering, 2014, 11, 026016.	3.5	99
2	Long-Term Bilayer Encapsulation Performance of Atomic Layer Deposited Al <formula formulatype="inline"&gt; <tex notation="TeX">\$_{f 2}\$</tex>O<formula formulatype="inline"&gt;<tex notation="TeX">\$_{f 3}\$</tex> and Parylene C for Biomedical Implantable Devices. IEEE Transactions on Biomedical Engineering, 2013, 60, 2943-2951.</formula </formula 	4.2	69
3	Characterization of Parylene-C degradation mechanisms: In vitro reactive accelerated aging model compared to multiyear in vivo implantation. Biomaterials, 2020, 232, 119731.	11.4	56
4	Analysis of Al <sub>2</sub> O <sub>3</sub> —parylene C bilayer coatings and impact of microelectrode topography on long term stability of implantable neural arrays. Journal of Neural Engineering, 2017, 14, 046011.	3.5	24
5	Neural electrode resilience against dielectric damage may be improved by use of highly doped silicon as a conductive material. Journal of Neuroscience Methods, 2018, 293, 210-225.	2.5	20
6	Self-aligned tip deinsulation of atomic layer deposited Al2O3and parylene C coated Utah electrode array based neural interfaces. Journal of Micromechanics and Microengineering, 2014, 24, 035003.	2.6	8
7	MRI-only occult geriatric hip fractures: is displacement common with nonoperative treatment?. Archives of Orthopaedic and Trauma Surgery, 2021, 141, 1109-1114.	2.4	2
8	Atomic Layer Deposited Al2O3 and Parylene C Bi-layer Encapsulation for Utah Electrode Array Based Neural Interfaces. Materials Research Society Symposia Proceedings, 2014, 1621, 259-265.	0.1	1