

David A X Nayagam

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,422
citations

471061

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h-index

525886

27
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31
all docs

31
docs citations

31
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Long-Term Observation of the Electrode-Tissue Interface. Translational Vision Science and Technology, 2022, 11, 12.	1.1	6
2	Classifying Retinal Degeneration in Histological Sections Using Deep Learning. Translational Vision Science and Technology, 2021, 10, 9.	1.1	4
3	Functional Vision in the Real-World Environment With a Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis. Translational Vision Science and Technology, 2021, 10, 7.	1.1	10
4	A Second-Generation (44-Channel) Suprachoroidal Retinal Prosthesis: Interim Clinical Trial Results. Translational Vision Science and Technology, 2021, 10, 12.	1.1	28
5	In vivo feasibility of epiretinal stimulation using ultrananocrystalline diamond electrodes. Journal of Neural Engineering, 2020, 17, 045014.	1.8	4
6	Development and Characterization of a Sucrose Microneedle Neural Electrode Delivery System. Advanced Biology, 2018, 2, 1700187.	3.0	25
7	Safety Studies for a 44-Channel Suprachoroidal Retinal Prosthesis: A Chronic Passive Study. , 2018, 59, 1410.		29
8	The development of neural stimulators: a review of preclinical safety and efficacy studies. Journal of Neural Engineering, 2018, 15, 041004.	1.8	48
9	A Flexible Wireless System for Preclinical Evaluation of Retinal Prosthesis. Sensors and Materials, 2018, , 269.	0.3	0
10	Suprachoroidal Retinal Prostheses. , 2017, , 125-138.		4
11	Development of a Magnetic Attachment Method for Bionic Eye Applications. Artificial Organs, 2016, 40, E12-24.	1.0	9
12	<i>In vivo</i> biocompatibility of boron doped and nitrogen included conductive diamond for use in medical implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 19-26.	1.6	52
13	Techniques for Processing Eyes Implanted with a Retinal Prosthesis for Localized Histopathological Analysis: Part 2 Epiretinal Implants with Retinal Tacks. Journal of Visualized Experiments, 2015, , .	0.2	4
14	Broadband Onset Inhibition Can Suppress Spectral Splatter in the Auditory Brainstem. PLoS ONE, 2015, 10, e0126500.	1.1	8
15	<i>In Vivo</i> and <i>In Vitro</i> Comparison of the Charge Injection Capacity of Platinum Macroelectrodes. IEEE Transactions on Biomedical Engineering, 2015, 62, 849-857.	2.5	63
16	Hermetic diamond capsules for biomedical implants enabled by gold active braze alloys. Biomaterials, 2015, 53, 464-474.	5.7	39
17	Safety and efficacy of explanting or replacing suprachoroidal electrode arrays in a feline model. Clinical and Experimental Ophthalmology, 2015, 43, 247-258.	1.3	12
18	Soft, Flexible Freestanding Neural Stimulation and Recording Electrodes Fabricated from Reduced Graphene Oxide. Advanced Functional Materials, 2015, 25, 3551-3559.	7.8	117

#	ARTICLE	IF	CITATIONS
19	Cortical activation following chronic passive implantation of a wide-field suprachoroidal retinal prosthesis. <i>Journal of Neural Engineering</i> , 2014, 11, 046017.	1.8	15
20	First-in-Human Trial of a Novel Suprachoroidal Retinal Prosthesis. <i>PLoS ONE</i> , 2014, 9, e115239.	1.1	274
21	Development of a surgical procedure for implantation of a prototype suprachoroidal retinal prosthesis. <i>Clinical and Experimental Ophthalmology</i> , 2014, 42, 665-674.	1.3	44
22	Effects of deafness and cochlear implant use on temporal response characteristics in cat primary auditory cortex. <i>Hearing Research</i> , 2014, 315, 1-9.	0.9	18
23	Chronic Electrical Stimulation with a Suprachoroidal Retinal Prosthesis: A Preclinical Safety and Efficacy Study. <i>PLoS ONE</i> , 2014, 9, e97182.	1.1	44
24	Visual prostheses for the blind. <i>Trends in Biotechnology</i> , 2013, 31, 562-571.	4.9	202
25	An In Vitro Model of Developmental Synaptogenesis Using Cocultures of Human Neural Progenitors and Cochlear Explants. <i>Stem Cells and Development</i> , 2013, 22, 901-912.	1.1	34
26	A Wide-Field Suprachoroidal Retinal Prosthesis Is Stable and Well Tolerated Following Chronic Implantation. , 2013, 54, 3751.		103
27	Techniques for Processing Eyes Implanted With a Retinal Prosthesis for Localized Histopathological Analysis. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	8
28	Electrical stimulation of retinal ganglion cells with diamond and the development of an all diamond retinal prosthesis. <i>Biomaterials</i> , 2012, 33, 5812-5820.	5.7	109
29	Biocompatibility of Immobilized Aligned Carbon Nanotubes. <i>Small</i> , 2011, 7, 1035-1042.	5.2	38
30	Intracellular responses and morphology of rat ventral complex of the lateral lemniscus neurons in vivo. <i>Journal of Comparative Neurology</i> , 2006, 498, 295-315.	0.9	27
31	Powerful, Onset Inhibition in the Ventral Nucleus of the Lateral Lemniscus. <i>Journal of Neurophysiology</i> , 2005, 94, 1651-1654.	0.9	44