

Shriya S Srinivasan

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

839
citations

471509

17
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Proprioception from a neurally controlled lower-extremity prosthesis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	145
2	On prosthetic control: A regenerative agonist-antagonist myoneural interface. <i>Science Robotics</i> , 2017, 2, .	17.6	59
3	Powering Implantable and Ingestible Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2009289.	14.9	57
4	The Ewing Amputation: The First Human Implementation of the Agonist-Antagonist Myoneural Interface. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1997.	0.6	51
5	Optogenetic Peripheral Nerve Immunogenicity. <i>Scientific Reports</i> , 2018, 8, 14076.	3.3	48
6	A murine model of a novel surgical architecture for proprioceptive muscle feedback and its potential application to control of advanced limb prostheses. <i>Journal of Neural Engineering</i> , 2017, 14, 036002.	3.5	40
7	Closed-loop functional optogenetic stimulation. <i>Nature Communications</i> , 2018, 9, 5303.	12.8	40
8	Control of Surface Ligand Density on PEGylated Gold Nanoparticles for Optimized Cancer Cell Uptake. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 197-204.	2.3	38
9	Reinventing Extremity Amputation in the Era of Functional Limb Restoration. <i>Annals of Surgery</i> , 2021, 273, 269-279.	4.2	36
10	Transdermal optogenetic peripheral nerve stimulation. <i>Journal of Neural Engineering</i> , 2017, 14, 034002.	3.5	33
11	Spectrally distinct channelrhodopsins for two-colour optogenetic peripheral nerve stimulation. <i>Nature Biomedical Engineering</i> , 2018, 2, 485-496.	22.5	32
12	Towards functional restoration for persons with limb amputation: A dual-stage implementation of regenerative agonist-antagonist myoneural interfaces. <i>Scientific Reports</i> , 2019, 9, 1981.	3.3	30
13	Low-cost gastrointestinal manometry via siliconeâ€“liquid-metal pressure transducers resembling a quipu. <i>Nature Biomedical Engineering</i> , 2022, 6, 1092-1104.	22.5	30
14	Agonist-antagonist myoneural interface amputation preserves proprioceptive sensorimotor neurophysiology in lower limbs. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	27
15	Magnetomicrometry. <i>Science Robotics</i> , 2021, 6, .	17.6	26
16	A rapidly deployable individualized system for augmenting ventilator capacity. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	23
17	Health diplomacy through health entrepreneurship: using hackathons to address Palestinian-Israeli health concerns. <i>BMJ Global Health</i> , 2019, 4, e001548.	4.7	19
18	Electroceuticals in the Gastrointestinal Tract. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 960-976.	8.7	18

#	ARTICLE	IF	CITATIONS
19	A cutaneous mechanoneural interface for neuroprosthetic feedback. <i>Nature Biomedical Engineering</i> , 2022, 6, 731-740.	22.5	16
20	Caprine Models of the Agonist-Antagonist Myoneural Interface Implemented at the Above- and Below-Knee Amputation Levels. <i>Plastic and Reconstructive Surgery</i> , 2019, 144, 218e-229e.	1.4	15
21	A Crisis-Responsive Framework for Medical Device Development Applied to the COVID-19 Pandemic. <i>Frontiers in Digital Health</i> , 2021, 3, .	2.8	14
22	Neural interfacing architecture enables enhanced motor control and residual limb functionality postamputation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
23	Agonist-antagonist Myoneural Interfaces in Above-knee Amputation Preserve Distal Joint Function and Perception. <i>Annals of Surgery</i> , 2021, 273, e115-e118.	4.2	7
24	Polyimide Electrode-Based Electrical Stimulation Impedes Early Stage Muscle Graft Regeneration. <i>Frontiers in Neurology</i> , 2019, 10, 252.	2.4	6
25	Gold Nanoparticle-Based Fluorescent Theranostics for Real-Time Image-Guided Assessment of DNA Damage and Repair. <i>International Journal of Molecular Sciences</i> , 2019, 20, 471.	4.1	5
26	Democratizing innovation through grass-roots entrepreneurship: lessons from efforts to address the opioid epidemic in the United States. <i>BMJ Global Health</i> , 2019, 4, e002079.	4.7	5
27	Pressure based MRI-compatible muscle fascicle length and joint angle estimation. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 118.	4.6	2
28	Pre-emptive Innovation Infrastructure for Medical Emergencies: Accelerating Healthcare Innovation in the Wake of a Global Pandemic. <i>Frontiers in Digital Health</i> , 2021, 3, 648520.	2.8	2
29	Design of a Precision Medication Dispenser: Preventing Overdose by Increasing Accuracy and Precision of Dosage. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-6.	3.7	1
30	Retinal supplementation augments optogenetic stimulation efficacy <i>in vivo</i> . <i>Journal of Neural Engineering</i> , 2019, 16, 054002.	3.5	1
31	Respiratory Care Innovation in Times of Crisis. <i>Journal of Emergency Nursing</i> , 2022, 48, 250-252.	1.0	0