

# Lee E Fisher

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

969  
citations

758635

12  
h-index

525886

27  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1359  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Acellular Biologic Scaffold Promotes Skeletal Muscle Formation in Mice and Humans with Volumetric Muscle Loss. <i>Science Translational Medicine</i> , 2014, 6, 234ra58.	5.8	384
2	Standing After Spinal Cord Injury With Four-Contact Nerve-Cuff Electrodes for Quadriceps Stimulation. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2008, 16, 473-478.	2.7	73
3	Sensory restoration by epidural stimulation of the lateral spinal cord in upper-limb amputees. <i>ELife</i> , 2020, 9, .	2.8	70
4	Electroceutical Targeting of the Autonomic Nervous System. <i>Physiology</i> , 2019, 34, 150-162.	1.6	59
5	Ultracompliant Hydrogel-Based Neural Interfaces Fabricated by Aqueous-Phase Microtransfer Printing. <i>Advanced Functional Materials</i> , 2018, 28, 1801059.	7.8	43
6	Optimization of selective stimulation parameters for multi-contact electrodes. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 25.	2.4	39
7	Soft Conducting Elastomer for Peripheral Nerve Interface. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801311.	3.9	27
8	Microstimulation of the lumbar DRG recruits primary afferent neurons in localized regions of lower limb. <i>Journal of Neurophysiology</i> , 2016, 116, 51-60.	0.9	25
9	Chronic recruitment of primary afferent neurons by microstimulation in the feline dorsal root ganglia. <i>Journal of Neural Engineering</i> , 2014, 11, 036007.	1.8	23
10	Phantom limb pain: peripheral neuromodulatory and neuroprosthetic approaches to treatment. <i>Muscle and Nerve</i> , 2019, 59, 154-167.	1.0	23
11	Recording single- and multi-unit neuronal action potentials from the surface of the dorsal root ganglion. <i>Scientific Reports</i> , 2019, 9, 2786.	1.6	22
12	Microelectrode Array Recordings from the Ventral Roots in Chronically Implanted Cats. <i>Frontiers in Neurology</i> , 2014, 5, 104.	1.1	20
13	Selectivity of afferent microstimulation at the DRG using epineural and penetrating electrode arrays. <i>Journal of Neural Engineering</i> , 2020, 17, 016011.	1.8	16
14	Machine learning prediction of emesis and gastrointestinal state in ferrets. <i>PLoS ONE</i> , 2019, 14, e0223279.	1.1	13
15	Evaluation of a conducting elastomeric composite material for intramuscular electrode application. <i>Acta Biomaterialia</i> , 2020, 103, 81-91.	4.1	13
16	Selective stimulation of the ferret abdominal vagus nerve with multi-contact nerve cuff electrodes. <i>Scientific Reports</i> , 2021, 11, 12925.	1.6	11
17	Approximating complex musculoskeletal biomechanics using multidimensional autogenerating polynomials. <i>PLoS Computational Biology</i> , 2020, 16, e1008350.	1.5	10
18	The effect of wrist posture on extrinsic finger muscle activity during single joint movements. <i>Scientific Reports</i> , 2020, 10, 8377.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Stimulation of the dorsal root ganglion using an Injectrode <sup>®</sup> . Journal of Neural Engineering, 2021, 18, 056068.	1.8	9
20	DRG microstimulation evokes postural responses in awake, standing felines. Journal of Neural Engineering, 2020, 17, 016014.	1.8	8
21	Hydrogel-based electrodes for selective cervical vagus nerve stimulation. Journal of Neural Engineering, 2021, 18, 055008.	1.8	8
22	Preliminary Evaluation of a Neural Prosthesis for Standing after Spinal Cord Injury with Four Contact Nerve-Cuff Electrodes for Quadriceps Stimulation. , 2006, 2006, 3592-5.		7
23	Host tissue response to floating microelectrode arrays chronically implanted in the feline spinal nerve. Journal of Neural Engineering, 2020, 17, 046012.	1.8	7
24	Amputee, clinician, and regulator perspectives on current and prospective upper extremity prosthetic technologies. Assistive Technology, 2023, 35, 258-270.	1.2	6
25	Hindlimb motor responses evoked by microstimulation of the lumbar dorsal root ganglia during quiet standing. Journal of Neural Engineering, 2020, 17, 016019.	1.8	4
26	Augmented Transcutaneous Stimulation Using an Injectable Electrode: A Computational Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 796042.	2.0	4
27	Optimization of stimulus parameters for selective peripheral nerve stimulation with multi-contact electrodes. , 2011, 2011, 3039-42.		3
28	Compliant adhesive cuff electrode for selective stimulation in rat vagus nerve. , 2019, , .		2
29	OUP accepted manuscript. Journal of Surgical Case Reports, 2021, 2021, rjab463.	0.2	1
30	Gastric Distension-Induced Nodose Ganglionic Cell Responses Using a High-Throughput Multi-Electrode Array in the Ferret. FASEB Journal, 2020, 34, 1-1.	0.2	1
31	Recruitment of Primary Afferents by Dorsal Root Ganglion Stimulation using the Injectrode. , 2021, 2021, 609-612.		0
32	Differences in compound muscle activation patterns explain upper extremity bilateral deficits. Human Movement Science, 2021, 79, 102851.	0.6	0
33	Peripheral Nerve Interface, Epineural Electrode. , 2014, , 1-8.		0
34	Impact of Isoflurane Anesthesia on Gastrointestinal Myoelectric Recordings: A Comparative Analysis of Awake and Anesthetized States in Ferrets. FASEB Journal, 2022, 36, .	0.2	0
35	Peripheral Nerve Interface, Epineural Electrode. , 2022, , 2686-2692.		0