Mukul Mukherjee

List of Publications by Year
in descending order

54	792	516710 16	552781 26
papers	citations	h-index	g-index

57	57	57	941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using mastoid vibration to detect age-related uni/bilateral vestibular deterioration during standing. Journal of Vestibular Research: Equilibrium and Orientation, 2022, 32, 145-154.	2.0	6
2	A passive exoskeleton can assist split-belt adaptation. Experimental Brain Research, 2022, 240, 1159.	1.5	1
3	The Kickstart Walk Assist System for improving balance and walking function in stroke survivors: a feasibility study. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 42.	4.6	3
4	Changes in Sensorimotor Cortical Activation in Children Using Prostheses and Prosthetic Simulators. Brain Sciences, 2021, 11, 991.	2.3	2
5	Comparison of a portable balance board for measures of persistence in postural sway. Journal of Biomechanics, 2020, 100, 109600.	2.1	3
6	Auditory and Visual External Cues Have Different Effects on Spatial but Similar Effects on Temporal Measures of Gait Variability. Frontiers in Physiology, 2020, 11, 67.	2.8	23
7	Locomotor patterns change over time when exposed to an uneven surface. Journal of Experimental Biology, 2019, 222, .	1.7	9
8	Alterations in Cortical Activation Among Individuals With Chronic Ankle Instability During Single-Limb Postural Control. Journal of Athletic Training, 2019, 54, 718-726.	1.8	32
9	Persistence in postural dynamics is dependent on constraints of vision, postural orientation, and the temporal structure of support surface translations. Experimental Brain Research, 2019, 237, 601-610.	1.5	2
10	Abstract WP199: Enhancing Perception of Self-motion After Stroke Using Virtual Reality Affects Gait Adaptation in Those With High Levels of Gait Asymmetry. Stroke, 2019, 50, .	2.0	0
11	Movement variability: A perspective on success in sports, health, and life. Scandinavian Journal of Medicine and Science in Sports, 2018, 28, 758-759.	2.9	9
12	Transitions in persistence of postural dynamics depend on the velocity and structure of postural perturbations. Experimental Brain Research, 2018, 236, 1491-1500.	1.5	8
13	Lower limb joint angle variability and dimensionality are different in stairmill climbing and treadmill walking. Royal Society Open Science, 2018, 5, 180996.	2.4	3
14	Scaling oscillatory platform frequency reveals recurrence of intermittent postural attractor states. Scientific Reports, 2018, 8, 11580.	3.3	8
15	Abstract TMP42: Gait Adaptation in Virtual Reality: Does Baseline Spatio-temporal Asymmetry in Stroke Survivors Play a Role?. Stroke, 2018, 49, .	2.0	0
16	Mastoid vibration affects dynamic postural control during gait in healthy older adults. Scientific Reports, 2017, 7, 41547.	3.3	10
17	Attention is associated with postural control in those with chronic ankle instability. Gait and Posture, 2017, 54, 34-38.	1.4	19
18	Tactile stimuli affect long-range correlations of stride interval and stride length differently during walking. Experimental Brain Research, 2017, 235, 1185-1193.	1.5	18

#	Article	IF	Citations
19	A Modular Robotic System for Assessment and Exercise of Human Movement. Lecture Notes in Networks and Systems, 2017, , 61-70.	0.7	7
20	Dynamics of Stride Interval Characteristics during Continuous Stairmill Climbing. Frontiers in Physiology, 2017, 8, 609.	2.8	7
21	Locomotor Sensory Organization Test: How Sensory Conflict Affects the Temporal Structure of Sway Variability During Gait. Annals of Biomedical Engineering, 2016, 44, 1625-1635.	2.5	18
22	Mastoid Vibration Affects Dynamic Postural Control During Gait. Annals of Biomedical Engineering, 2016, 44, 2774-2784.	2.5	12
23	Optic flow improves adaptability of spatiotemporal characteristics during split-belt locomotor adaptation with tactile stimulation. Experimental Brain Research, 2016, 234, 511-522.	1.5	15
24	Temporal Structure of Support Surface Translations Drive the Temporal Structure of Postural Control During Standing. Annals of Biomedical Engineering, 2015, 43, 2699-2707.	2.5	10
25	Biomechanical analyses of stair-climbing while dual-tasking. Journal of Biomechanics, 2015, 48, 921-929.	2.1	41
26	Plantar tactile perturbations enhance transfer of split-belt locomotor adaptation. Experimental Brain Research, 2015, 233, 3005-3012.	1.5	15
27	Abstract T P78: Neurovascular Changes Characterize Split-belt Adaptation in Chronic Stroke Survivors: Preliminary Results. Stroke, 2015, 46, .	2.0	0
28	Abstract T P120: Perception of Self-Motion using a Virtual Reality Environment Enhances Gait Adaptation in Chronic Stroke Survivors. Stroke, 2015, 46, .	2.0	0
29	Locomotor Sensory Organization Test: A Novel Paradigm for the Assessment of Sensory Contributions in Gait. Annals of Biomedical Engineering, 2014, 42, 2512-2523.	2.5	39
30	Gait Variability is Altered in Older Adults When Listening to Auditory Stimuli with Differing Temporal Structures. Annals of Biomedical Engineering, 2013, 41, 1595-1603.	2.5	88
31	Stroke Survivors Control the Temporal Structure of Variability During Reaching in Dynamic Environments. Annals of Biomedical Engineering, 2013, 41, 366-376.	2.5	10
32	Path integration: Effect of curved path complexity and sensory system on blindfolded walking. Gait and Posture, 2013, 37, 154-158.	1.4	8
33	Skills Learning in Robot-Assisted Surgery Is Benefited by Task-Specific Augmented Feedback. Surgical Innovation, 2013, 20, 639-647.	0.9	2
34	Enhancing Fundamental Robot-Assisted Surgical Proficiency by Using a Portable Virtual Simulator. Surgical Innovation, 2013, 20, 198-203.	0.9	12
35	Muscle activation patterns in healthy subjects and stroke survivors in an unpredictable robotic environment. International Journal of Mechatronics and Automation, 2012, 2, 1.	0.2	2
36	Retention of fundamental surgical skills learned in robot-assisted surgery. Journal of Robotic Surgery, 2012, 6, 301-309.	1.8	4

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37	The effect of the partially restricted sit-to-stand task on biomechanical variables in subjects with and without Parkinsonâ€™s disease. Journal of Electromyography and Kinesiology, 2011, 21, 719-726.	1.7	27
38	Soft-Tissue Movement at the Foot During the Stance Phase of Walking. Journal of the American Podiatric Medical Association, 2011, 101, 25-34.	0.3	5
39	Developing a sensory-enhanced robot-aided motor training programme. International Journal of Mechatronics and Automation, 2011, 1, 236.	0.2	1
40	Training program for fundamental surgical skill in robotic laparoscopic surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2011, 7, 327-333.	2.3	32
41	The Influence of Visual Perception of Self-Motion on Locomotor Adaptation to Unilateral Limb Loading. Journal of Motor Behavior, 2011, 43, 101-111.	0.9	11
42	The impact of environmental noise on robot-assisted laparoscopic surgical performance. Surgery, 2010, 147, 107-113.	1.9	44
43	Accuracy and speed tradeâ€off in robotâ€assisted surgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2010, 6, 324-329.	2.3	19
44	The negative effect of distraction on performance of robotâ€assisted surgical skills in medical students and residents. International Journal of Medical Robotics and Computer Assisted Surgery, 2010, 6, 377-381.	2.3	22
45	The Effect of Music on Robot-Assisted Laparoscopic Surgical Performance. Surgical Innovation, 2010, 17, 306-311.	0.9	63
46	Variability of lower extremity joint kinematics during backward walking in a virtual environment. Nonlinear Dynamics, Psychology, and Life Sciences, 2010, 14, 165-78.	0.2	15
47	The effect of virtual reality on gait variability. Nonlinear Dynamics, Psychology, and Life Sciences, 2010, 14, 239-56.	0.2	26
48	Development and feasibility study of a sensory-enhanced robot-aided motor training in stroke rehabilitation. , 2009, 2009, 5965-8.		4
49	The effect of distraction on robot-assisted surgical performance. Journal of the American College of Surgeons, 2009, 209, S107.	0.5	0
50	Electroacupuncture may help motor recovery in chronic stroke survivors: A pilot study. Journal of Rehabilitation Research and Development, 2008, 45, 587-596.	1.6	30
51	A Quantitative Method for Assessing Stroke-impaired Sense of Motor Effort: A Preliminary Study. Medicine and Science in Sports and Exercise, 2008, 40, S318.	0.4	0
52	The Effect of Electro-Acupuncture on Spasticity of the Wrist Joint in Chronic Stroke Survivors. Archives of Physical Medicine and Rehabilitation, 2007, 88, 159-166.	0.9	46
53	PP_008. Archives of Physical Medicine and Rehabilitation, 2006, 87, e2.	0.9	0
54	Passive Exoskeleton-Assisted Gait Shows a Unique Interlimb Coordination Signature Without Restricting Regular Walking. Frontiers in Physiology, 0, 13, .	2.8	1