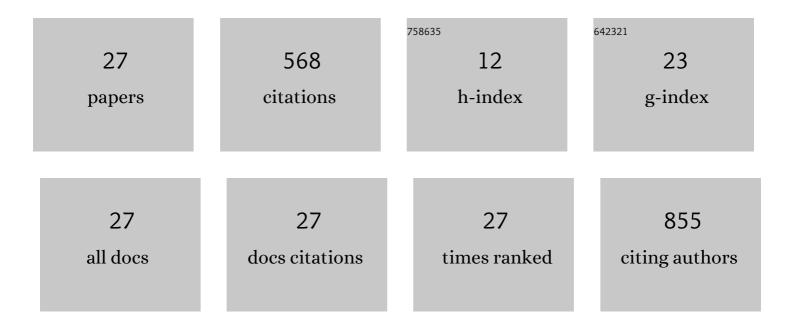
Carolyn J Sparrey

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Correlating Tissue Mechanics and Spinal Cord Injury: Patient-Specific Finite Element Models of Unilateral Cervical Contusion Spinal Cord Injury in Non-Human Primates. Journal of Neurotrauma, 2021, 38, 698-717.	1.7	16
2	Classifying sitting, standing, and walking using plantar force data. Medical and Biological Engineering and Computing, 2021, 59, 257-270.	1.6	12
3	In vivo soft tissue compressive properties of the human hand. PLoS ONE, 2021, 16, e0261008.	1.1	3
4	The Effect of Parity on Age-Related Degenerative Changes in Sagittal Balance. Spine, 2020, 45, E210-E216.	1.0	6
5	Differentiating Sitting, Standing, and Walking Through Regional Plantar Pressure Characteristics. Journal of Biomechanical Engineering, 2020, 142, .	0.6	8
6	Compressive mechanical characterization of non-human primate spinal cord white matter. Acta Biomaterialia, 2018, 74, 260-269.	4.1	22
7	Detecting white matter activity using conventional 3ÂTesla fMRI: An evaluation of standard field strength and hemodynamic response function. NeuroImage, 2018, 169, 145-150.	2.1	50
8	The effects of paranodal myelin damage on action potential depend on axonal structure. Medical and Biological Engineering and Computing, 2018, 56, 395-411.	1.6	3
9	Manual wheelchair downhill stability: an analysis of factors affecting tip probability. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 95.	2.4	9
10	Association Between Paraspinal Muscle Morphology, Clinical Symptoms, and Functional Status in Patients With Degenerative Cervical Myelopathy. Spine, 2017, 42, 232-239.	1.0	39
11	Effects of weld damage on the dynamics of energy-absorbing lanyards. International Journal of Occupational Safety and Ergonomics, 2017, 23, 533-543.	1.1	0
12	Quantifying the effects of on-the-fly changes of seating configuration on the stability of a manual wheelchair. , 2017, 2017, 1897-1900.		4
13	The Transverse Isotropy of Spinal Cord White Matter Under Dynamic Load. Journal of Biomechanical Engineering, 2016, 138, .	0.6	18
14	Mechanical Design and Analysis of a Unilateral Cervical Spinal Cord Contusion Injury Model in Non-Human Primates. Journal of Neurotrauma, 2016, 33, 1136-1149.	1.7	29
15	Morphological and postural sexual dimorphism of the lumbar spine facilitates greater lordosis in females. Journal of Anatomy, 2016, 229, 82-91.	0.9	37
16	The dynamics of electric powered wheelchair sideways tips and falls: experimental and computational analysis of impact forces and injury. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 20.	2.4	11
17	A Unilateral Cervical Spinal Cord Contusion Injury Model in Non-Human Primates (Macaca mulatta). Journal of Neurotrauma, 2016, 33, 439-459.	1.7	42
18	Probing Mechanical Properties of Jurkat Cells under the Effect of ART Using Oscillating Optical Tweezers. PLoS ONE, 2015, 10, e0126548.	1.1	11

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#	Article	IF	CITATIONS
19	The effects of physiological thermoregulation on the efficacy of surface cooling for therapeutic hypothermia. Medical and Biological Engineering and Computing, 2015, 53, 205-213.	1.6	3
20	Mechanical characterization of ART-treated Jurkat cells using optical tweezers. , 2014, 2014, 6806-9.		2
21	The effects of gas assisted injection molding on the mechanical properties of medical grade thermoplastic elastomers. Polymer Testing, 2014, 38, 1-6.	2.3	4
22	Etiology of lumbar lordosis and its pathophysiology: a review of the evolution of lumbar lordosis, and the mechanics and biology of lumbar degeneration. Neurosurgical Focus, 2014, 36, E1.	1.0	73
23	Compression behavior of porcine spinal cord white matter. Journal of Biomechanics, 2011, 44, 1078-1082.	0.9	45
24	Absence of beta3 integrin accelerates early skeletal repair. Journal of Orthopaedic Research, 2010, 28, 32-37.	1.2	11
25	The Effect of Flash Freezing on Variability in Spinal Cord Compression Behavior. Journal of Biomechanical Engineering, 2009, 131, 111010.	0.6	6
26	Effects of White, Grey, and Pia Mater Properties on Tissue Level Stresses and Strains in the Compressed Spinal Cord. Journal of Neurotrauma, 2009, 26, 585-595.	1.7	58
27	The Distribution of Tissue Damage in the Spinal Cord Is Influenced by the Contusion Velocity. Spine, 2008, 33, E812-E819.	1.0	46