Eric H Ledet

List of Publications by Year
in descending order

28 papers	548 citations	687363 13 h-index	677142 22 g-index
28 all docs	28 docs citations	28 times ranked	713 citing authors

#	Article	IF	Citations
1	Smart implants in orthopedic surgery, improving patient outcomes: a review. Innovation and Entrepreneurship in Health, 2018, Volume 5, 41-51.	2.0	75
2	Implantable Sensor Technology: From Research to Clinical Practice. Journal of the American Academy of Orthopaedic Surgeons, The, 2012, 20, 383-392.	2.5	68
3	Direct real-time measurement of in vivo forces in the lumbar spine. Spine Journal, 2005, 5, 85-94.	1.3	60
4	ISSLS Prize Winner. Spine, 2015, 40, 1158-1164.	2.0	50
5	Biomechanical Evaluation of a Novel Lumbosacral Axial Fixation Device. Journal of Biomechanical Engineering, 2005, 127, 929-933.	1.3	45
6	Small Intestinal Submucosa for Anular Defect Closure. Spine, 2009, 34, 1457-1463.	2.0	45
7	Low rate loading-induced convection enhances net transport into the intervertebral disc inÂvivo. Spine Journal, 2015, 15, 1028-1033.	1.3	33
8	Real-Time In Vivo Loading in the Lumbar Spine. Spine, 2000, 25, 2595-2600.	2.0	28
9	A pilot study to evaluate the effectiveness of small intestinal submucosa used to repair spinal ligaments in the goat. Spine Journal, 2002, 2, 188-196.	1.3	22
10	Drug-induced changes to the vertebral endplate vasculature affect transport into the intervertebral disc in vivo. Journal of Orthopaedic Research, 2014, 32, 1694-1700.	2.3	19
11	Stiffness Matters. Spine, 2018, 43, E1061-E1068.	2.0	15
12	Load-sharing through elastic micro-motion accelerates bone formation and interbody fusion. Spine Journal, 2018, 18, 1222-1230.	1.3	14
13	Stiffness Matters. Spine, 2018, 43, E1069-E1076.	2.0	14
14	Novel lumbosacral axial fixation techniques. Expert Review of Medical Devices, 2006, 3, 327-334.	2.8	13
15	Simple implantable wireless sensor platform to measure pressure and force. Medical Engineering and Physics, 2018, 59, 81-87.	1.7	13
16	Does instructional video footage improve tackle technique?. International Journal of Sports Science and Coaching, 2018, 13, 3-15.	1.4	9
17	4:25 The Raymedica PDN prosthetic disc nucleus device in the baboon lumbar spine. Spine Journal, 2002, 2, 94.	1.3	7
18	Loading- and Unloading-Driven Regulation of Phosphorylation of eIF2^|^alpha;. Uchu Seibutsu Kagaku, 2011, 25, 3-6.	0.3	4

#	Article	IF	Citations
19	Elementary Implantable Force Sensor: For Smart Orthopaedic Implants. Advances in Biosensors and Bioelectronics, 2013, 2, .	1.0	4
20	Archimedean Spiral Pairs with no Electrical Connections as a Passive Wireless Implantable Sensor. , 2014, 1, .		3
21	Radio Frequency Identification as a Testbed for Integration of Low Frequency Radio Frequency Sensors Into Orthopedic Implants. Journal of Medical Devices, Transactions of the ASME, 2013, 7, .	0.7	2
22	Quantitative Assessment of Balance for Accurate Prediction of Return to Sport From Sport-Related Concussion. Sports Health, 2022, 14, 875-884.	2.7	2
23	Work in progress - clinic to classroom - a new paradigm for biomedical engineering education. , 2008, , .		1
24	A simple sensing mechanism for wireless, passive pressure sensors. , 2016, 2016, 1890-1893.		1
25	ISSLS Prize in Bioengineering Science 2022: low rate cyclic loading as a therapeutic strategy for intervertebral disc regeneration. European Spine Journal, 2022, 31, 1088-1098.	2.2	1
26	Effect of loading frequency on trans-endplate nutrition across the intervertebral disc: A force-controlled unconfined compression experiment. , 2014, , .		0
27	Knee Loading Stimulates Bone Formation in Tail-Suspended Mouse Hindlimb. Uchu Seibutsu Kagaku, 2011, 25, 77-82.	0.3	0
28	Smart fracture plate for quantifying fracture healing: Preliminary efficacy in a biomechanical model. Journal of Orthopaedic Research, 2022, , .	2.3	0