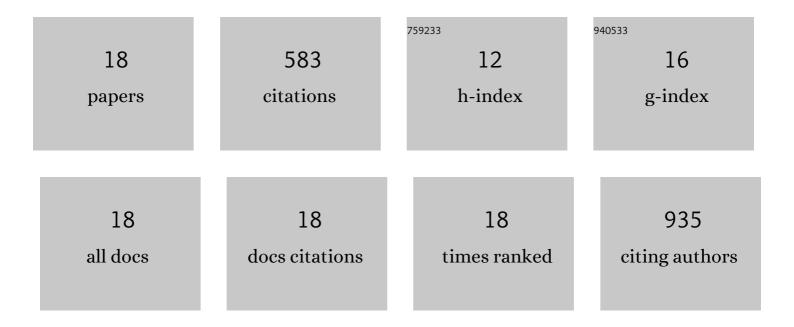
Richard L Abel

List of Publications by Year in descending order

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RICHARD | AREI

#	Article	IF	CITATIONS
1	Exploring miniature insect brains using micro-CT scanning techniques. Scientific Reports, 2016, 6, 21768.	3.3	80
2	Effects of Peripapillary Scleral Stiffening on the Deformation of the Lamina Cribrosa. , 2016, 57, 2666.		68
3	Deformation of the Lamina Cribrosa and Optic Nerve Due to Changes in Cerebrospinal Fluid Pressure. , 2017, 58, 2070.		57
4	Long-term effects of bisphosphonate therapy: perforations, microcracks and mechanical properties. Scientific Reports, 2017, 7, 43399.	3.3	56
5	Phase-Contrast Micro-Computed Tomography Measurements of the Intraocular Pressure-Induced Deformation of the Porcine Lamina Cribrosa. IEEE Transactions on Medical Imaging, 2016, 35, 988-999.	8.9	45
6	Automated segmentation of the lamina cribrosa using Frangi's filter: a novel approach for rapid identification of tissue volume fraction and beam orientation in a trabeculated structure in the eye. Journal of the Royal Society Interface, 2015, 12, 20141009.	3.4	37
7	Synchrotron Imaging Assessment of Bone Quality. Clinical Reviews in Bone and Mineral Metabolism, 2016, 14, 150-160.	0.8	36
8	Early Trabecular Development in Human Vertebrae: Overproduction, Constructive Regression, and Refinement. Frontiers in Endocrinology, 2015, 6, 67.	3.5	35
9	Measuring bone stiffness using spherical indentation. PLoS ONE, 2018, 13, e0200475.	2.5	28
10	Femoral fracture type can be predicted from femoral structure: A finite element study validated by digital volume correlation experiments. Journal of Orthopaedic Research, 2018, 36, 993-1001.	2.3	26
11	Micro-CT X-rays do not fragment DNA in preserved bird skins. Journal of Zoological Systematics and Evolutionary Research, 2012, 50, 247-250.	1.4	23
12	Computed tomography porosity and spherical indentation for determining cortical bone millimetre-scale mechanical properties. Scientific Reports, 2019, 9, 7416.	3.3	22
13	Development of fetal trabecular microâ€architecture in the humerus and femur. Journal of Anatomy, 2012, 220, 496-503.	1.5	21
14	Automated method to measure trabecular thickness from microcomputed tomographic scans and its application. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 982-988.	2.0	18
15	A method for fracture toughness measurement in trabecular bone using computed tomography, image correlation and finite element methods. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 109, 103838.	3.1	13
16	Contemporary hormone therapy with LHRH agonists for prostate cancer: avoiding osteoporosis and fracture. Central European Journal of Urology, 2015, 68, 165-8.	0.3	9
17	Nanoscale mechanisms in age-related hip-fractures. Scientific Reports, 2020, 10, 14208.	3.3	7
18	Clinical Importance of Bone Matrix Damage Mechanisms for Fracture Prevention. Current Osteoporosis Reports, 2021, 19, 318-326.	3.6	2