

# Bryan J Heard

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

319  
citations

1163117

8  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synovial and cartilage responsiveness to perioperative hyaluronic acid±dexamethasone administration following a limited injury to the rabbit stifle joint. <i>Journal of Orthopaedic Research</i> , 2022, 40, 838-845.	2.3	6
2	Does surgical technique influence the burden of lung metastases in patients with pathologic long bone fractures?. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 102.	1.9	1
3	Structural Consequences of a Partial Anterior Cruciate Ligament Injury on Remaining Joint Integrity: Evidence for Ligament and Bone Changes Over Time in an Ovine Model. <i>American Journal of Sports Medicine</i> , 2021, 49, 637-648.	4.2	6
4	Postoperative fever in the time of COVID-19. <i>Canadian Journal of Surgery</i> , 2020, 63, E231-E232.	1.2	4
5	Alterations in Joint Angular Velocity Following Traumatic Knee Injury in Ovine Models. <i>Annals of Biomedical Engineering</i> , 2019, 47, 790-801.	2.5	6
6	Molecular Response of Rabbit Menisci to Surgically Induced Hemarthrosis and a Single Intra-articular Dexamethasone Treatment. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2043-2052.	2.3	8
7	Three-dimensional in vivo kinematics and finite helical axis variables of the ovine stifle joint following partial anterior cruciate ligament transection. <i>Journal of Biomechanics</i> , 2019, 88, 78-87.	2.1	8
8	Posttraumatic Osteoarthritis Development and Progression in an Ovine Model of Partial Anterior Cruciate Ligament Transection and Effect of Repeated Intra-articular Methylprednisolone Acetate Injections on Early Disease. <i>American Journal of Sports Medicine</i> , 2018, 46, 1596-1605.	4.2	19
9	An Explicit Method for Analysis of Three-Dimensional Linear and Angular Velocity of a Joint, with Specific Application to the Knee Joint. <i>Journal of Medical and Biological Engineering</i> , 2018, 38, 273-283.	1.8	5
10	Are re-injured ligaments equivalent mechanically to injured ligaments: The role of re-injury severity?. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 665-672.	1.8	3
11	Use of preclinical surgically induced models to understand biomechanical and biological consequences of PTOA development. <i>Journal of Orthopaedic Research</i> , 2017, 35, 454-465.	2.3	26
12	Location and gene-specific effects of methylprednisolone acetate on mitigating IL1 $\beta$ -induced inflammation in mature ovine explant knee tissue. <i>Inflammation Research</i> , 2017, 66, 239-248.	4.0	2
13	Relationship between increased in vivo meniscal loads and abnormal tibiofemoral surface alignment in ACL deficient sheep is varied. <i>Journal of Biomechanics</i> , 2016, 49, 3824-3832.	2.1	7
14	The infrapatellar fat pad is affected by injury induced inflammation in the rabbit knee: use of dexamethasone to mitigate damage. <i>Inflammation Research</i> , 2016, 65, 459-470.	4.0	19
15	Ligament and meniscus loading in the ovine stifle joint during normal gait. <i>Knee</i> , 2016, 23, 70-77.	1.6	9
16	Single intra-articular dexamethasone injection immediately post-surgery in a rabbit model mitigates early inflammatory responses and post-traumatic osteoarthritis-like alterations. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1826-1834.	2.3	70
17	A computational method to differentiate normal individuals, osteoarthritis and rheumatoid arthritis patients using serum biomarkers. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140428.	3.4	35
18	Matrix metalloproteinase protein expression profiles cannot distinguish between normal and early osteoarthritic synovial fluid. <i>BMC Musculoskeletal Disorders</i> , 2012, 13, 126.	1.9	51

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19	Early joint tissue changes are highly correlated with a set of inflammatory and degradative synovial biomarkers after ACL autograft and its sham surgery in an ovine model. Journal of Orthopaedic Research, 2011, 29, 1185-1192.	2.3	34