

# Peter Vee Sin Lee

## List of Publications by Year in descending order

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135  
papers

4,068  
citations

117453

34  
h-index

138251

58  
g-index

138  
all docs

138  
docs citations

138  
times ranked

4164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Blast resistance of auxetic and honeycomb sandwich panels: Comparisons and parametric designs. <i>Composite Structures</i> , 2018, 183, 242-261.	3.1	298
2	A numerical study of auxetic composite panels under blast loadings. <i>Composite Structures</i> , 2016, 135, 339-352.	3.1	284
3	Three-dimensional modelling of auxetic sandwich panels for localised impact resistance. <i>Journal of Sandwich Structures and Materials</i> , 2017, 19, 291-316.	2.0	183
4	Finite element analysis of moment-rotation relationships for human cervical spine. <i>Journal of Biomechanics</i> , 2006, 39, 189-193.	0.9	151
5	A personalized 3D-printed prosthetic joint replacement for the human temporomandibular joint: From implant design to implantation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 69, 404-411.	1.5	138
6	An investigation of lower extremity energy dissipation strategies during single-leg and double-leg landing based on sagittal and frontal plane biomechanics. <i>Human Movement Science</i> , 2011, 30, 624-635.	0.6	109
7	Effects of internal stress concentrations in plantar soft-tissue—A preliminary three-dimensional finite element analysis. <i>Medical Engineering and Physics</i> , 2010, 32, 324-331.	0.8	106
8	Contributions of the Soleus and Gastrocnemius muscles to the anterior cruciate ligament loading during single-leg landing. <i>Journal of Biomechanics</i> , 2013, 46, 1913-1920.	0.9	102
9	Electrochemical Detection of Nitric Oxide on a SWCNT/RTIL Composite Gel Microelectrode. <i>Electroanalysis</i> , 2006, 18, 713-718.	1.5	100
10	Sagittal knee joint kinematics and energetics in response to different landing heights and techniques. <i>Knee</i> , 2010, 17, 127-131.	0.8	89
11	Subject-specific musculoskeletal modeling in the evaluation of shoulder muscle and joint function. <i>Journal of Biomechanics</i> , 2016, 49, 3626-3634.	0.9	85
12	Bone fatigue and its implications for injuries in racehorses. <i>Equine Veterinary Journal</i> , 2014, 46, 408-415.	0.9	84
13	Effect of landing height on frontal plane kinematics, kinetics and energy dissipation at lower extremity joints. <i>Journal of Biomechanics</i> , 2009, 42, 1967-1973.	0.9	68
14	Modified Bilston Nonlinear Viscoelastic Model for Finite Element Head Injury Studies. <i>Journal of Biomechanical Engineering</i> , 2006, 128, 797-801.	0.6	65
15	Characterisation of the dynamic compressive mechanical properties of cancellous bone from the human cervical spine. <i>International Journal of Impact Engineering</i> , 2005, 32, 525-540.	2.4	64
16	Biocatalytic Generation of Ppy-Enzyme-CNT Nanocomposite: From Network Assembly to Film Growth. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2025-2031.	1.5	59
17	Regression relationships of landing height with ground reaction forces, knee flexion angles, angular velocities and joint powers during double-leg landing. <i>Knee</i> , 2009, 16, 381-386.	0.8	57
18	Plantar pressure relief under the metatarsal heads — Therapeutic insole design using three-dimensional finite element model of the foot. <i>Journal of Biomechanics</i> , 2015, 48, 659-665.	0.9	57

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19	The use of laboratory gait analysis for understanding gait deterioration in people with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016, 22, 1768-1776.	1.4	57
20	Investigation of thoracolumbar T12-L1 burst fracture mechanism using finite element method. <i>Medical Engineering and Physics</i> , 2006, 28, 656-664.	0.8	54
21	Neck muscle strength across the sagittal and coronal planes: an isometric study. <i>Clinical Biomechanics</i> , 2002, 17, 545-547.	0.5	52
22	Shock absorbing ability of articular cartilage and subchondral bone under impact compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 26, 127-135.	1.5	51
23	Prosthetic sockets fabrication using rapid prototyping technology. <i>Rapid Prototyping Journal</i> , 2002, 8, 53-59.	1.6	50
24	Cellular Biomechanics in Drug Screening and Evaluation: Mechanopharmacology. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 87-100.	4.0	50
25	Transforming Growth Factor- $\beta$ -Induced Differentiation of Airway Smooth Muscle Cells Is Inhibited by Fibroblast Growth Factor-2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 48, 346-353.	1.4	45
26	Statistical factorial analysis on the material property sensitivity of the mechanical responses of the C4-C6 under compression, anterior and posterior shear. <i>Journal of Biomechanics</i> , 2004, 37, 771-777.	0.9	44
27	Development of an integrated CAD-FEA process for below-knee prosthetic sockets. <i>Clinical Biomechanics</i> , 2005, 20, 623-629.	0.5	43
28	Anterior Cruciate Ligament Failure and Cartilage Damage during Knee Joint Compression. <i>American Journal of Sports Medicine</i> , 2008, 36, 934-942.	1.9	43
29	A Technique for Dynamic Tensile Testing of Human Cervical Spine Ligaments. <i>Experimental Mechanics</i> , 2006, 46, 77-89.	1.1	42
30	Stationary current generated from photocycle of a hybrid bacteriorhodopsin/quantum dot bio-nanosystem. <i>Applied Physics Letters</i> , 2007, 91, 223901.	1.5	41
31	Design and clinical outcome of a novel 3D-printed prosthetic joint replacement for the human temporomandibular joint. <i>Clinical Biomechanics</i> , 2018, 56, 52-60.	0.5	39
32	Prosthesis Loading After Temporomandibular Joint Replacement Surgery: A Musculoskeletal Modeling Study. <i>Journal of Biomechanical Engineering</i> , 2015, 137, 041001.	0.6	38
33	Gait compensatory mechanisms in unilateral transfemoral amputees. <i>Medical Engineering and Physics</i> , 2020, 77, 95-106.	0.8	38
34	Structural integrity of polypropylene prosthetic sockets manufactured using the polymer deposition technique. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2002, 216, 359-368.	1.0	37
35	Computational modeling of single-cell mechanics and cytoskeletal mechanobiology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2018, 10, e1407.	6.6	36
36	A new three-dimensional, print-on-demand temporomandibular prosthetic total joint replacement system: Preliminary outcomes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 1192-1198.	0.7	36

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37	Unconventional acoustic approaches for localized and designed micromanipulation. Lab on A Chip, 2021, 21, 2837-2856.	3.1	36
38	Stump/socket pressure profiles of the pressure cast prosthetic socket. Clinical Biomechanics, 2003, 18, 237-243.	0.5	34
39	Comparative study between patellar-tendon-bearing and pressure cast prosthetic sockets. Journal of Rehabilitation Research and Development, 2004, 41, 491.	1.6	32
40	Preparation of nano-entacle polypyrrole with pseudo-molecular template for ATP incorporation. Journal of Biomedical Materials Research - Part A, 2007, 80A, 925-931.	2.1	31
41	The effect of leg dominance and landing height on ACL loading among female athletes. Journal of Biomechanics, 2017, 60, 181-187.	0.9	31
42	Annexin A2 contributes to lung injury and fibrosis by augmenting factor Xa fibrogenic activity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L772-L782.	1.3	30
43	Lumbar model generator: a tool for the automated generation of a parametric scalable model of the lumbar spine. Journal of the Royal Society Interface, 2018, 15, 20170829.	1.5	30
44	Synthesis and characterization of p-toluenesulfonate incorporated poly(3,4-ethylenedioxythiophene). Talanta, 2007, 72, 532-538.	2.9	29
45	Casein Kinase 1 $\mu$ Inhibitor, PF670462 Attenuates the Fibrogenic Effects of Transforming Growth Factor- $\beta$ 2 in Pulmonary Fibrosis. Frontiers in Pharmacology, 2018, 9, 738.	1.6	28
46	Lattice Ti structures with low rigidity but compatible mechanical strength: Design of implant materials for trabecular bone. International Journal of Precision Engineering and Manufacturing, 2016, 17, 793-799.	1.1	26
47	Microstructure Variations in the Soft-Hard Tissue Junction of the Human Anterior Cruciate Ligament. Anatomical Record, 2017, 300, 1547-1559.	0.8	26
48	Technical note. Prosthetics and Orthotics International, 2000, 24, 241-245.	0.5	25
49	A novel gait platform to measure isolated plantar metatarsal forces during walking. Journal of Biomechanics, 2010, 43, 2017-2021.	0.9	25
50	Compressive fatigue life of subchondral bone of the metacarpal condyle in thoroughbred racehorses. Bone, 2013, 57, 392-398.	1.4	25
51	The influence of GFP-actin expression on the adhesion dynamics of HepG2 cells on a model extracellular matrix. Biomaterials, 2005, 26, 5348-5358.	5.7	23
52	CFD Simulations of Flows in Valveless Micropumps. Engineering Applications of Computational Fluid Mechanics, 2007, 1, 181-188.	1.5	22
53	Shod landing provides enhanced energy dissipation at the knee joint relative to barefoot landing from different heights. Knee, 2011, 18, 407-411.	0.8	22
54	Surface area-to-volume ratio, not cellular viscoelasticity, is the major determinant of red blood cell traversal through small channels. Cellular Microbiology, 2021, 23, e13270.	1.1	22

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55	Load response of the natural tooth and dental implant: A comparative biomechanics study. <i>Journal of Advanced Prosthodontics</i> , 2019, 11, 169.	1.1	21
56	Prophylactic knee bracing alters lower-limb muscle forces during a double-leg drop landing. <i>Journal of Biomechanics</i> , 2016, 49, 3347-3354.	0.9	20
57	Modulation of shoulder muscle and joint function using a powered upper-limb exoskeleton. <i>Journal of Biomechanics</i> , 2018, 72, 7-16.	0.9	20
58	The in vivo plantar soft tissue mechanical property under the metatarsal head: implications of tissues <sup>x3</sup> joint-angle dependent response in foot finite element modeling. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 40, 264-274.	1.5	19
59	Measurement of normal and pathological mandibular and temporomandibular joint kinematics: A systematic review. <i>Journal of Biomechanics</i> , 2020, 111, 109994.	0.9	19
60	Explicit finite element modelling of heel pad mechanics in running: inclusion of body dynamics and application of physiological impact loads. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1582-1595.	0.9	17
61	On-chip cell mechanophenotyping using phase modulated surface acoustic wave. <i>Biomicrofluidics</i> , 2019, 13, 024107.	1.2	17
62	Static and dynamic pressure profiles of a patellar-tendon-bearing (PTB) socket. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2003, 217, 121-126.	1.0	16
63	Damage and degenerative changes in menisci-covered and exposed tibial osteochondral regions after simulated landing impact compression—a porcine study. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1100-1108.	1.2	16
64	Non-linear flexion relationships of the knee with the hip and ankle, and their relative postures during landing. <i>Knee</i> , 2011, 18, 323-328.	0.8	16
65	Shock absorbing ability in healthy and damaged cartilage-bone under high-rate compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 388-394.	1.5	16
66	High-throughput microfluidic compressibility cytometry using multi-tilted-angle surface acoustic wave. <i>Lab on A Chip</i> , 2021, 21, 2812-2824.	3.1	16
67	Inhibition of Anterior Tibial Translation or Axial Tibial Rotation Prevents Anterior Cruciate Ligament Failure during Impact Compression. <i>American Journal of Sports Medicine</i> , 2009, 37, 813-821.	1.9	15
68	Effects of Prophylactic Knee Bracing on Lower Limb Kinematics, Kinetics, and Energetics During Double-Leg Drop Landing at 2 Heights. <i>American Journal of Sports Medicine</i> , 2016, 44, 1753-1761.	1.9	15
69	Influences of Material and Geometry in the Performance of Auxetic Composite Structure under Blast Loading. <i>Applied Mechanics and Materials</i> , 0, 846, 476-481.	0.2	15
70	Microfluidic acoustic sawtooth metasurfaces for patterning and separation using traveling surface acoustic waves. <i>Lab on A Chip</i> , 2021, 22, 90-99.	3.1	15
71	A novel computational method to determine subject-specific bite force and occlusal loading during mastication. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 453-460.	0.9	14
72	Repeated application of incremental landing impact loads to intact knee joints induces anterior cruciate ligament failure and tibiofemoral cartilage deformation and damage: A preliminary cadaveric investigation. <i>Journal of Biomechanics</i> , 2009, 42, 972-981.	0.9	13

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73	The sensitivity of shoulder muscle and joint force predictions to changes in joint kinematics: A Monte-Carlo analysis. <i>Gait and Posture</i> , 2017, 54, 87-92.	0.6	12
74	Stiffness and energy dissipation across the superficial and deeper third metacarpal subchondral bone in Thoroughbred racehorses under high-rate compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 85, 51-56.	1.5	12
75	The relationship between microstructure, stiffness and compressive fatigue life of equine subchondral bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 101, 103439.	1.5	12
76	Individual muscle contributions to hip joint-contact forces during walking in unilateral transfemoral amputees with osseointegrated prostheses. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 1071-1081.	0.9	12
77	On-chip surface acoustic wave and micropipette aspiration techniques to assess cell elastic properties. <i>Biomicrofluidics</i> , 2020, 14, 014114.	1.2	12
78	Influence of the geometric and material properties of lumbar endplate on lumbar interbody fusion failure: a systematic review. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, 224.	0.9	11
79	Automatic segmentation of magnetic resonance images of the trans-femoral residual limb. <i>Medical Engineering and Physics</i> , 1999, 20, 756-763.	0.8	10
80	Impact-induced osteochondral fracture in the tibial plateau. <i>Journal of Biomechanics</i> , 2008, 41, 1236-1242.	0.9	10
81	A cruciate suture technique for rotator cuff repair. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 619-626.	2.3	10
82	Failure Analysis of an Additive Manufactured Porous Titanium Structure for Orthopedic Implant Applications. <i>Materials Science Forum</i> , 2016, 863, 45-49.	0.3	10
83	Transtibial Prosthetic Socket Shape in a Developing Country: A study to compare initial outcomes in Pressure Cast hydrostatic and Patella Tendon Bearing designs. <i>Gait and Posture</i> , 2017, 58, 363-368.	0.6	10
84	Anterior cruciate ligament agonist and antagonist muscle force differences between males and females during perturbed walking. <i>Journal of Biomechanics</i> , 2020, 110, 109971.	0.9	10
85	Direct contribution of axial impact compressive load to anterior tibial load during simulated ski landing impact. <i>Journal of Biomechanics</i> , 2010, 43, 242-247.	0.9	9
86	Restrained tibial rotation may prevent ACL injury during landing at different flexion angles. <i>Knee</i> , 2015, 22, 24-29.	0.8	9
87	Equine subchondral bone failure threshold under impact compression applied through articular cartilage. <i>Journal of Biomechanics</i> , 2016, 49, 2053-2059.	0.9	9
88	Peripheral quantitative computed tomography (pQCT)-based finite element analysis provides enhanced diagnostic performance in identifying non-vertebral fracture patients compared with dual-energy X-ray absorptiometry. <i>Osteoporosis International</i> , 2020, 31, 141-151.	1.3	9
89	Loss of bone density and bone strength following premenopausal risk-reducing bilateral salpingo-oophorectomy: a prospective controlled study (WHAM Study). <i>Osteoporosis International</i> , 2021, 32, 101-112.	1.3	9
90	Correlation of axial impact forces with knee joint forces and kinematics during simulated ski-landing. <i>Journal of Sports Sciences</i> , 2011, 29, 1143-1151.	1.0	8

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91	Pressure casting technique for transtibial prosthetic socket fit in developing countries. <i>Journal of Rehabilitation Research and Development</i> , 2014, 51, 101-110.	1.6	8
92	Subchondral bone microarchitecture and failure mechanism under compression: A finite element study. <i>Journal of Biomechanics</i> , 2017, 55, 85-91.	0.9	8
93	Antagonist muscle co-contraction during a double-leg landing maneuver at two heights. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1382-1393.	0.9	8
94	Preface: molecular, cellular, and tissue mechanobiology. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 219-221.	1.5	8
95	The application of finite element modelling based on clinical pQCT for classification of fracture status. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 245-260.	1.4	8
96	The role of a composite polycarbonate-aerogel face shield in protecting the human brain from blast-induced injury: A fluid-structure interaction (FSI) study. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2484-2511.	2.0	8
97	Fatigue behavior of subchondral bone under simulated physiological loads of equine athletic training. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103920.	1.5	8
98	Bone Measures by Dual-Energy X-Ray Absorptiometry and Peripheral Quantitative Computed Tomography in Young Women With Type 1 Diabetes Mellitus. <i>Journal of Clinical Densitometry</i> , 2021, 24, 259-267.	0.5	8
99	Glenohumeral joint reconstruction using statistical shape modeling. <i>Biomechanics and Modeling in Mechanobiology</i> , 2022, 21, 249-259.	1.4	8
100	Tibial Cartilage Damage and Deformation at Peak Displacement Compression during Simulated Landing Impact. <i>American Journal of Sports Medicine</i> , 2010, 38, 816-823.	1.9	7
101	Predicting experimentally-derived failure load at the distal radius using finite element modelling based on peripheral quantitative computed tomography cross-sections (pQCT-FE): A validation study. <i>Bone</i> , 2019, 129, 115051.	1.4	7
102	An Investigation of Pressure Profiles and Wearer Comfort During Walking With a Transtibial Hydrocast Socket. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 199-206.	0.7	7
103	EFFECT OF MUSCLES ACTIVATION ON HEAD-NECK COMPLEX UNDER SIMULATED EJECTION. <i>Journal of Musculoskeletal Research</i> , 2004, 08, 155-165.	0.1	6
104	Effect of an anterior-sloped brace joint on anterior tibial translation and axial tibial rotation: A motion analysis study. <i>Clinical Biomechanics</i> , 2010, 25, 1025-1030.	0.5	6
105	Biomechanical testing of the calcified metacarpal articular surface and its association with subchondral bone microstructure in Thoroughbred racehorses. <i>Equine Veterinary Journal</i> , 2018, 50, 255-260.	0.9	6
106	Effects of in vivo fatigue-induced subchondral bone microdamage on the mechanical response of cartilage-bone under a single impact compression. <i>Journal of Biomechanics</i> , 2020, 100, 109594.	0.9	6
107	Effect of sitting posture on pelvic injury risk under vertical loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103780.	1.5	6
108	Complications of Reverse Total Shoulder Arthroplasty: A Computational Modelling Perspective. <i>Journal of Clinical Medicine</i> , 2021, 10, 5336.	1.0	6



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109	Strategies towards rapid generation of forefoot model incorporating realistic geometry of metatarsals encapsulated into lumped soft tissues for personalized finite element analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 1421-1430.	0.9	5
110	The functional, spatio-temporal and satisfaction outcomes of transtibial amputees with a hydrocast socket following an extended usage period in an under-resourced environment. <i>Gait and Posture</i> , 2018, 66, 88-93.	0.6	5
111	A method for fatigue testing of equine McIII subchondral bone under a simulated fast workout training programme. <i>Equine Veterinary Journal</i> , 2020, 52, 332-335.	0.9	5
112	Low-Profile Electromagnetic Field Sensors in the Measurement and Modelling of Three-Dimensional Jaw Kinematics and Occlusal Loading. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1561-1571.	1.3	5
113	Effects of stimulated aggrecan analysis on nanoscale morphological and mechanical properties of wild-type and aggrecanase-resistant mutant mice cartilages. <i>European Physical Journal E</i> , 2017, 40, 72.	0.7	4
114	Bone Health in Rats With Temporal Lobe Epilepsy in the Absence of Anti-Epileptic Drugs. <i>Frontiers in Pharmacology</i> , 2019, 10, 1278.	1.6	4
115	Specimen-specific fracture risk curves of lumbar vertebrae under dynamic axial compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104457.	1.5	4
116	Fast Tool for Evaluation of Iliac Crest Tissue Elastic Properties Using the Reduced-Basis Methods. <i>Journal of Biomechanical Engineering</i> , 2010, 132, 121009.	0.6	3
117	Cortical and Trabecular Bone Fracture Characterisation in the Vertebral Body Using Acoustic Emission. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2384-2401.	1.3	3
118	Distribution of mechanical strain in equine distal metacarpal subchondral bone: A microCT-based finite element model. <i>Medicine in Novel Technology and Devices</i> , 2020, 6, 100036.	0.9	3
119	Biomechanical and cognitive interactions during Visuo Motor Targeting Task. <i>Gait and Posture</i> , 2021, 86, 287-291.	0.6	3
120	Generation of hemipelvis surface geometry based on statistical shape modelling and contralateral mirroring. <i>Biomechanics and Modeling in Mechanobiology</i> , 0, , .	1.4	3
121	Biomechanical and Microstructural Properties of Subchondral Bone From Three Metacarpophalangeal Joint Sites in Thoroughbred Racehorses. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	3
122	A technique to prescribe a vertical acceleration-time load on the human head-neck complex. <i>International Journal of Impact Engineering</i> , 2011, 38, 707-714.	2.4	2
123	Effect of Prophylactic Knee Bracing on Anterior Cruciate Ligament Agonist and Antagonist Muscle Forces During Perturbed Walking. <i>Orthopaedic Journal of Sports Medicine</i> , 2021, 9, 232596712098164.	0.8	2
124	Investigation of Plantar Barefoot Pressure and Soft-tissue Internal Stress: A Three-Dimensional Finite Element Analysis. <i>IFMBE Proceedings</i> , 2009, , 1817-1820.	0.2	2
125	Occlusion of the lumbar spine canal during high-rate axial compression. <i>Spine Journal</i> , 2020, 20, 1692-1704.	0.6	2
126	Optically tunable hydrogel biosensor material. , 2006, 6218, 149.		1



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127	Extent and distribution of tibial osteochondral disruption during simulated landing impact with axial tibial rotation restraint. Journal of Biomechanics, 2010, 43, 2010-2016.	0.9	1
128	Motion planning for underactuated bipedal mechanisms with kinematic constraints. , 2013, , .		1
129	Quasi-static Compressive and Tensile Tests on Cancellous Bone in Human Cervical Spine. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 109-118.	0.3	1
130	Understanding Anterior Cruciate Ligament Injury Due to Drop Landing: Effects of Different Landing Techniques and Muscles' Action at the Knee Joint. IFMBE Proceedings, 2010, , 171-173.	0.2	1
131	Modelling apical columnar epithelium mechanics from circumferential contractile fibres. Biomechanics and Modeling in Mechanobiology, 2017, 16, 1555-1568.	1.4	0
132	Validation of an open-sourced strain analysis code to assess fragility in 3D-printed porous structures designed for low-rigidity medical implants. , 2017, , .		0
133	NEW METHODS AND MATERIALS IN PROSTHETICS FOR REHABILITATION OF LOWER LIMB AMPUTEES. Biomaterials Engineering and Processing Series, 2004, , 10-1-10-20.	0.0	0
134	GS11-1 RAPID CONSTRUCTION OF ANATOMICALLY-ACCURATE MODEL OF THE HUMAN FOOT FOR SUBJECT-SPECIFIC FINITE ELEMENT ANALYSIS(GS11: Computational Biomechanics). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 215.	0.0	0
135	Pathomechanics of Post-traumatic Knee Injuries. IFMBE Proceedings, 2008, , 13-17.	0.2	0