Shigeru Tadano

List of Publications by Year
in descending order

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127 papers	1,365 citations	394286 19 h-index	360920 35 g-index
127 all docs	127 docs citations	127 times ranked	1597 citing authors

#	Article	IF	Citations
1	Gait posture estimation using wearable acceleration and gyro sensors. Journal of Biomechanics, 2009, 42, 2486-2494.	0.9	146
2	Three Dimensional Gait Analysis Using Wearable Acceleration and Gyro Sensors Based on Quaternion Calculations. Sensors, 2013, 13, 9321-9343.	2.1	139
3	Wearable Inertial Sensors to Assess Standing Balance: A Systematic Review. Sensors, 2019, 19, 4075.	2.1	115
4	Gait analysis using gravitational acceleration measured by wearable sensors. Journal of Biomechanics, 2009, 42, 223-233.	0.9	107
5	Drift Removal for Improving the Accuracy of Gait Parameters Using Wearable Sensor Systems. Sensors, 2014, 14, 23230-23247.	2.1	63
6	Gait characterization for osteoarthritis patients using wearable gait sensors (H-Gait systems). Journal of Biomechanics, 2016, 49, 684-690.	0.9	54
7	X-ray diffraction as a promising tool to characterize bone nanocomposites. Science and Technology of Advanced Materials, 2011, 12, 064708.	2.8	53
8	Relationship between bone tissue strain and lattice strain of HAp crystals in bovine cortical bone under tensile loading. Journal of Biomechanics, 2007, 40, 1832-1838.	0.9	47
9	A Wearable Magneto-Inertial System for Gait Analysis (H-Gait): Validation on Normal Weight and Overweight/Obese Young Healthy Adults. Sensors, 2017, 17, 2406.	2.1	40
10	Influence of implant rod curvature on sagittal correction of scoliosis deformity. Spine Journal, 2014, 14, 1432-1439.	0.6	34
11	A method on strain measurement of HAP in cortical bone from diffusive profile of X-ray diffraction. Journal of Biomechanics, 2006, 39, 579-586.	0.9	30
12	Scoliosis corrective force estimation from the implanted rod deformation using 3D-FEM analysis. Scoliosis, 2015, 10, S2.	0.4	27
13	Relationship of forces acting on implant rods and degree of scoliosis correction. Clinical Biomechanics, 2013, 28, 122-128.	0.5	26
14	Residual stress distribution in rabbit limb bones. Journal of Biomechanics, 2011, 44, 1285-1290.	0.9	23
15	Residual Stress Around the Cortical Surface in Bovine Femoral Diaphysis. Journal of Biomechanical Engineering, 2010, 132, 044503.	0.6	22
16	Deformation of mineral crystals in cortical bone depending on structural anisotropy. Bone, 2009, 44, 1111-1120.	1.4	21
17	Corrective force analysis for scoliosis from implant rod deformation. Clinical Biomechanics, 2012, 27, 545-550.	0.5	21
18	Influence of BMI on Gait Characteristics of Young Adults: 3D Evaluation Using Inertial Sensors. Sensors, 2019, 19, 4221.	2.1	21

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19	Lumbar mechanical traction: a biomechanical assessment of change at the lumbar spine. BMC Musculoskeletal Disorders, 2019, 20, 155.	0.8	20
20	Estimating nanoscale deformation in bone by X-ray diffraction imaging method. Journal of Biomechanics, 2008, 41, 945-952.	0.9	19
21	Orientation and deformation of mineral crystals in tooth surfaces. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 10, 176-182.	1.5	19
22	Vitamin K-dependent carboxylation of osteocalcin affects the efficacy of teriparatide (PTH1â€“34) for skeletal repair. Bone, 2014, 64, 95-101.	1.4	19
23	Effect of Gradual Demineralization on the Mineral Fraction and Mechanical Properties of Cortical Bone. Journal of Biomechanical Science and Engineering, 2009, 4, 230-238.	0.1	18
24	Nanostructure and elastic modulus of single trabecula in bovine cancellous bone. Journal of Biomechanics, 2014, 47, 3482-3487.	0.9	18
25	A Novel Bone Marrow Stimulation Technique Augmented by Administration of Ultrapurified Alginate Gel Enhances Osteochondral Repair in a Rabbit Model. Tissue Engineering - Part C: Methods, 2015, 21, 1263-1273.	1.1	18
26	Residual stress in bone structure and tissue of rabbit's tibiofibula. Bio-Medical Materials and Engineering, 2006, 16, 11-21.	0.4	18
27	Understanding site-specific residual strain and architecture in bovine cortical bone. Journal of Biomechanics, 2008, 41, 3107-3115.	0.9	15
28	Polychromatic X-ray Measurements of Anisotropic Residual Stress in Bovine Femoral Bone.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2000, 43, 795-801.	0.3	14
29	Structural strength of cancellous specimens from bovine femur under cyclic compression. PeerJ, 2016, 4, e1562.	0.9	14
30	Therapeutic Effects of Intra-Articular Ultrapurified Low Endotoxin Alginate Administration on Experimental Osteoarthritis in Rabbits. Cartilage, 2012, 3, 70-78.	1.4	13
31	Effect of glass content in bioceramics on the laser bonding strength with bone specimen. Journal of Biomechanical Science and Engineering, 2014, 9, 14-00433-14-00433.	0.1	13
32	Therapeutic effects of intraâ€articular ultraâ€purified low endotoxin alginate administration on an experimental canine osteoarthritis model. Journal of Biomedical Materials Research - Part A, 2015, 103, 3441-3448.	2.1	13
33	Residual Stress Distribution in the Bovine Femoral Diaphysis Measured by Synchrotron. Journal of Biomechanical Science and Engineering, 2011, 6, 114-124.	0.1	12
34	Influence of osteon area fraction and degree of orientation of HAp crystals on mechanical properties in bovine femur. Journal of Biomechanics, 2013, 46, 31-35.	0.9	12
35	Effects of growth on residual stress distribution along the radial depth of cortical cylinders from bovine femurs. Journal of Biomechanics, 2013, 46, 2130-2136.	0.9	11
36	An EMG-CT method using multiple surface electrodes in the forearm. Journal of Electromyography and Kinesiology, 2014, 24, 875-880.	0.7	9

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37	Viscoelastic modulus of agarose gels by magnetic resonance elastography using Micro-MRI. Mechanical Engineering Journal, 2015, 2, 14-00417-14-00417.	0.2	9
38	Microstructure of Bone Around Natural Hole in Bovine Lumbar Vertebra. Journal of Biomechanical Science and Engineering, 2007, 2, 1-11.	0.1	8
39	X-ray Diffraction Technique with Imaging Plate for Detecting Surface Distribution of Residual Stress in Diaphysis of Bovine Femurs. Experimental Mechanics, 2014, 54, 633-640.	1.1	8
40	Magnetic resonance imaging T1 and T2 mapping provide complementary information on the bone mineral density regarding cancellous bone strength in the femoral head of postmenopausal women with osteoarthritis. Clinical Biomechanics, 2019, 65, 13-18.	0.5	8
41	Evaluation of gait characteristics in subjects with locomotive syndrome using wearable gait sensors. BMC Musculoskeletal Disorders, 2022, 23, 457.	0.8	8
42	Micro-cantilever bending for elastic modulus measurements of a single trabecula in cancellous bone. Journal of Biomechanics, 2016, 49, 4124-4127.	0.9	7
43	Computer Simulation of Radiotherapy for Malignant Tumor - A Mechanical Analogy Method -. Journal of Biomechanical Science and Engineering, 2009, 4, 576-588.	0.1	6
44	Strain Measurement of Pure Titanium Covered With Soft Tissue Using X-Ray Diffraction. Journal of Biomechanical Engineering, 2010, 132, 031004.	0.6	6
45	Excitation System for Magnetic Resonance Elastography Using Micro MRI. Journal of Biomechanical Science and Engineering, 2012, 7, 463-474.	0.1	5
46	Effects of unweighting on gait kinematics during walking on a lower-body positive-pressure treadmill in patients with hip osteoarthritis. BMC Musculoskeletal Disorders, 2021, 22, 46.	0.8	5
47	Numerical simulations of magnetic resonance elastography using finite element analysis with a linear heterogeneous viscoelastic model. Journal of Visualization, 2018, 21, 133-145.	1.1	4
48	Mechanical evaluation of hip pads to protect against fracture of elderly femurs in falls. Bio-Medical Materials and Engineering, 2011, 21, 235-246.	0.4	3
49	In Vitro Laser Bonding of Bovine Cortical Bone Specimen and TCP-Glass Ceramics. Journal of Biomechanical Science and Engineering, 2012, 7, 248-258.	0.1	3
50	A Simple Method for In Vivo Measurement of Implant Rod Three-Dimensional Geometry During Scoliosis Surgery. Journal of Biomechanical Engineering, 2012, 134, 054502.	0.6	3
51	An Experimental Model on the Activity of Forearm Muscles Using Surface Electromyography. Journal of Biomechanical Science and Engineering, 2009, 4, 212-220.	0.1	2
52	Analysis of Three-Dimensional Characteristics in Tumor Morphology. Journal of Biomechanical Science and Engineering, 2009, 4, 221-229.	0.1	2
53	Nanostructural Alteration in Bone Quantified in Terms of Orientation Distribution of Mineral Crystals: A Possible Tool for Fracture Risk Assessment. Journal of Biomechanical Engineering, 2011, 133, 124503.	0.6	2
54	Irradiation conditions for fiber laser bonding of HAp-glass ceramics with bovine cortical bone. Bio-Medical Materials and Engineering, 2014, 24, 1555-1562.	0.4	2

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55	How is residual stress/strain detected in bone tissue ?. Mechanical Engineering Reviews, 2016, 3, 15-00291-15-00291.	4.7	2
56	Analysis of 3-D Kinematics Using H-Gait System during Walking on a Lower Body Positive Pressure Treadmill. Sensors, 2021, 21, 2619.	2.1	2
57	Changes of residual stress, diaphyseal size, and micro-nano structure in bovine femurs during growth and maturation. Journal of Biomechanical Science and Engineering, 2018, 13, 18-00110-18-00110.	0.1	2
58	Finite Element Modeling of the Cortical Bone Region Using Clinical CT Images. Journal of Biomechanical Science and Engineering, 2006, 1, 316-326.	0.1	1
59	Streaming Potential of White Matter and Gray Matter in Bovine Spinal Cord under Compressive Loading. Journal of Biomechanical Science and Engineering, 2009, 4, 239-248.	0.1	1
60	Muscle stress generated in the forearm during hand gripping. Journal of Biomechanical Science and Engineering, 2015, 10, 15-00423-15-00423.	0.1	1
61	OS8-5 COMPARISON BETWEEN A MIMUs AND ELECTROMECHANICAL SYSTEM FOR GAIT ANALYSIS(OS8:) Tj ETQq1 1 0.784314 rgBT /O Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 114.	0.0	1
62	Design of Alarm Sound of Home Care Equipment Based on Age-related Auditory Sense. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2002, 45, 1093-1099.	0.3	0
63	Residual Stress in Bone Structure. Trends in the Sciences, 2014, 19, 4_34-4_39.	0.0	0
64	Intraoperative implant rod three-dimensional geometry measured by dual camera system during scoliosis surgery. Bio-Medical Materials and Engineering, 2016, 27, 49-62.	0.4	0
65	A method to evaluate relevance of hemodynamic factors to artery bifurcation shapes using computational fluid dynamics and genetic algorithms. Mechanical Engineering Journal, 2017, 4, 16-00476-16-00476.	0.2	0
66	Cooperative activities of forearm muscles under loading applied to thumb or each finger. Journal of Biomechanical Science and Engineering, 2018, 13, 18-00065-18-00065.	0.1	0
67	Residual Stress Induced from Bone Structure and Tissure in Rabbits Tibia. The Proceedings of the JSME Annual Meeting, 2000, 2000.2, 229-230.	0.0	0
68	308 Muscle Force Analysis in Lifting Work Using Muscluloskeletal Model of Whole Body. The Proceedings of Conference of Hokkaido Branch, 2001, 2001.41, 88-89.	0.0	0
69	101 Effect of Ni Contents on Weldability of WC-Ni Cemented Carbides. The Proceedings of Conference of Hokkaido Branch, 2001, 2001.41, 2-3.	0.0	0
70	Computer Simulation of Hydroxyapatite Strain in Compact Bone under Macroscopic Deformation. The Proceedings of Conference of Hokkaido Branch, 2003, 2003.43, 236-237.	0.0	0
71	RELATIONSHIP BETWEEN ELASTIC MODULUS AND LATTICE STRAIN OF HAP CRYSTALS IN BOVINE CORTICAL BONE(Bone Mechanics). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2004, 2004.1, 45-46.	0.0	0
72	1201 Design and Development of Products Using Computer Manikin. The Proceedings of Design & Systems Conference, 2005, 2005.15, 70-71.	0.0	0

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73	416 Optimal Microstructure of Bone around Nutrient Foramen in Lumbar Vertebral Body. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2006, 2005.18, 251-252.	0.0	0
74	Laser-Bonding of Bone and Implant Material(3B3 Orthopaedic & Rehabilitation Biomechanics VII). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2007, 2007.3, S199.	0.0	0
75	EFFECT OF MINERAL CONTENT ON MECHANICAL PROPERTIES OF BONE(3C2 Bone & Ligament I). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2007, 2007.3, S210.	0.0	0
76	526 Residual Strain Measurement in Bone Tissue by X-ray Diffraction Imaging. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2007, 2006.19, 394-395.	0.0	0
77	745 Streaming Potential of Nerve Tissue under Visco-elastic Deformation. The Proceedings of the JSME Annual Meeting, 2008, 2008.5, 5-6.	0.0	0
78	424 HAp Orientation Dependent Deformation in Bone Tissue. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 347-348.	0.0	0
79	A307 Effect of HAp Textures on Strain Distribution in Bovine Cortical Bone. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2008, 2008.19, 93-94.	0.0	0
80	3636 Gait Analysis Using Acceleration and Gyro Sensors. The Proceedings of the JSME Annual Meeting, 2008, 2008.7, 213-214.	0.0	0
81	411 The Development of Bone Augmentation by Gelatin and Calcium Carbonate of Scallop Shell Composite. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 143-144.	0.0	0
82	OS1010 Residual Stress Measurement of Bone Tissue in Rabbit's Lower Limb. The Proceedings of the Materials and Mechanics Conference, 2009, 2009, 780-781.	0.0	0
83	307 Conductivity Distribution in Musculoskeletal System of Forearm. The Proceedings of Conference of Hokkaido Branch, 2009, 2009.48, 81-82.	0.0	0
84	339 Diffracted X-rays from Ti in Implant Transmitted through Skin and Subcutaneous Tissue. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2009, 2008.21, 379-380.	0.0	0
85	410 Distribution of Residual Stress in Cortical Region of Bovine Femur. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2009, 2008.21, 157-158.	0.0	0
86	544 The Development of Bone Augmentation by Calcium Carbonate of Scallop Shell. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2009, 2008.21, 461-462.	0.0	0
87	318 Temperature-Duration Effects on Fracture Strength of Heat-Denatured Cortical Bone. The Proceedings of Conference of Hokkaido Branch, 2009, 2009.48, 103-104.	0.0	0
88	411 Redistribution and reorganization of HAp crystallites in cortical bone under tensile loading. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2009, 2008.21, 159-160.	0.0	0
89	312 HAp Crystal Strain in Femoral Trabeculae under Tensile Loading. The Proceedings of Conference of Hokkaido Branch, 2010, 2010.49, 73-74.	0.0	0
90	1P1-C08 Scoliosis Corrective Force Estimation from the Implant Rod Deformation. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2010, 2010, _1P1-C08_1-_1P1-C08_2.	0.0	0

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91	2105 Stress analysis of mandible model with some tilted-implants by 3D-FEM with elevator muscle. The Proceedings of the Computational Mechanics Conference, 2010, 2010.23, 272-273.	0.0	0
92	G0200-2-5 3-Dimensional Gait Analysis using Wearable Acceleration and Gyro Sensors. The Proceedings of the JSME Annual Meeting, 2010, 2010.5, 63-64.	0.0	0
93	0428 Bone Regeneration Using Calcium Carbonate of Scallop Shell and Hyaluronic Acid Gel. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 253.	0.0	0
94	B216 3D Strain Components of HAp Crystals in Cortical Bone using X-ray Diffraction Imaging. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2010, 2010.21, 115-116.	0.0	0
95	B217 Force analysis of corrective rod for scoliosis treatment. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2010, 2010.21, 117-118.	0.0	0
96	9H-06 Optimal Treatment Plan for Radiotherapy considering Anatomical Changes of Tumor. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2011, 2010.23, 443-444.	0.0	0
97	8C-17 Joint Friction Measurement with Varying Center of Joint Motion. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2011, 2010.23, 227-228.	0.0	0
98	OS1106 Microscopic Deformation of Apatite/Collagen Composite Structure of Bone Tissue. The Proceedings of the Materials and Mechanics Conference, 2011, 2011, _OS1106-1_-_OS1106-2_.	0.0	0
99	7B33 Mechanical Interaction between Apatite/Collagen Components in Bone and the Related Bone Strength. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _7B33-1_-_7B33-2_.	0.0	0
100	B104 Observation of apatite crystals in tooth surface using backscatter X-rays. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2012, 2012.23, 39-40.	0.0	0
101	506 Stress Analysis of Hydroxyapatite by Raman Spectroscopy. The Proceedings of Conference of Hokkaido Branch, 2012, 2012.51, 153-154.	0.0	0
102	J022035 Magnetic resonance elastography using micro MRI to two layered agarose gel. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J022035-1-_J022035-4.	0.0	0
103	G020031 HAp Crystal Properties and Elastic Modulus of Single Trabecula in Bovine Cancellous Bone. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _G020031-1-_G020031-4.	0.0	0
104	2E20 Raman Spectroscopy for Micro-Structural and Mechanical Evaluation of Bone Tissue. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2013, 2013.25, 423-424.	0.0	0
105	113 Crystal Strain and Raman Shift of Si Single Crystal. The Proceedings of Conference of Hokkaido Branch, 2013, 2013.52, 25-26.	0.0	0
106	OS0709 Raman Spectroscopic Characteristics of Knee Joint Cartilage under Compressive Loading. The Proceedings of the Materials and Mechanics Conference, 2013, 2013, _OS0709-1_-_OS0709-2_.	0.0	0
107	Residual Stress and Structural Anisotropy of Cortical Bone. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 117-122.	0.3	0
108	2D36 MRE Simulation of Liver Model with Finite Element Method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 419-420.	0.0	0

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109	1D46 Mechanical Response of Knee Joint Cartilage by Raman Spectroscopy. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 121-122.	0.0	0
110	1F34 Influence of Collagen Degeneration on Elastic and Viscous Moduli of Bovine Cortical Bone. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 193-194.	0.0	0
111	G0200303 Graphical User Interface for H-Gait and Gait Application for Treadmill Walking and Snow Road Walking. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _G0200303--_G0200303-.	0.0	0
112	GS2-2 STRAIN MEASUREMENTS FOR MINERAL AND COLLAGEN PHASES IN CORTICAL BONE BY SMALL AND WIDE ANGLE X-RAY DIFFRACTION(GS2: Orthopaedic Biomechanics I). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 144.	0.0	0
113	PS1-4 Evaluation of frozen vascular grafts by using MRE : how to keep the characteristics of bioprostheses?(PS1: Poster Short Presentation I,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 225.	0.0	0
114	PS5-8 MICRO CANTILEVER BENDING FOR ELASTIC MODULUS OF SINGLE TRABECULA(PS5: Poster Short) Tj ETQq0 0 0 rgBT /Overlock 10 Emerging Science and Technology in Biomechanics, 2015, 2015.8, 306.	0.0	0
115	J0230302 Strain Measurements of Cortical Tissue using Laser Raman Imaging. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0230302--_J0230302-.	0.0	0
116	G0200203 MRE Measurement for Porcine Liver using Micro-MRI. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _G0200203--_G0200203-.	0.0	0
117	PS5-2 Structural Strength of Bovine Cancellous Cubic Specimens under Cyclic Compression(PS5:) Tj ETQq1 1 0.784314 rgBT /Overlock Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 300.	0.0	0
118	OS2-6 Application of Computational Fluid Dynamics and Genetic Algorithms to Investigate Effectiveness of Hemodynamic Factors to Determine Abdominal Aortic Bifurcation Shapes(OS2:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Emerging Science and Technology in Biomechanics, 2015, 2015.8, 78.	0.0	0
119	OS20-7 X-Ray Diffraction Method for Strain Measurements of Mineral and Collagen Phases in Cortical Bone(Experimental biomechanics and bioengineering 2,OS20 Experimental biomechanics and) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 257.	0.0	0
120	J0230303 Strain Measurements for Mineral and Collagen in Cortical Bone by Small and Wide Angle X-ray Diffraction. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0230303--_J0230303-.	0.0	0
121	1F23 Age-related Changes of Surface Residual Stress and Microstructure of Bovine Femurs. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 237-238.	0.0	0
122	2E13 MRE simulation of liver model with elasticity distribution based on FEM. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 481-482.	0.0	0
123	GS6-4 Stress Distribution Generated in the Forearm Muscles during Gripping(GS6: Musculoskeletal) Tj ETQq1 1 0.784314 rgBT /Overl and Technology in Biomechanics, 2015, 2015.8, 174.	0.0	0
124	1E31 Mechanical Analysis of Apatite/Collagen Phases in Bone by Raman Spectroscopy. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 199-200.	0.0	0
125	PS1-6 Viscoelastic Property of Porcine Liver by MRE using Micro-MRI(PS1: Poster Short Presentation) Tj ETQq1 1 0.784314 rgBT /Over and Technology in Biomechanics, 2015, 2015.8, 227.	0.0	0
126	OS8-2 A NOVEL DRIFT REMOVAL METHOD FOR GAIT ANALYSIS USING WEARBLE SENSORS(OS8: Wearable) Tj ETQq0 0 0 rgBT /Overloc Emerging Science and Technology in Biomechanics, 2015, 2015.8, 111.	0.0	0

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127	The role of geometrical features of the microarchitecture in the cancellous stiffness of the bovine femoral bone. Medical Engineering and Physics, 2022, 105, 103823.	0.8	0