

# Tsung-Yuan Tsai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7909722/publications.pdf>

Version: 2024-02-01

113  
papers

1,844  
citations

236612

25  
h-index

360668

35  
g-index

116  
all docs

116  
docs citations

116  
times ranked

1582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmentation of Anterolateral Structures of the Knee Causes Undesirable Tibiofemoral Cartilage Contact in Double-Bundle Anterior Cruciate Ligament Reconstructionâ€”A Randomized In-Vivo Biomechanics Study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 1224-1236.	1.3	5
2	Cartilage contact characteristics of the knee during gait in individuals with obesity. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2480-2487.	1.2	2
3	In-vivo tibiofemoral kinematics of the normal knee during closed and open kinetic chain exercises: A comparative study of box squat and seated knee extension. <i>Medical Engineering and Physics</i> , 2022, 101, 103766.	0.8	4
4	In Vivo Knee Kinematics in Patients With Arthrofibrosis After Anterior Cruciate Ligament Reconstruction. <i>Journal of Sport Rehabilitation</i> , 2022, , 1-7.	0.4	0
5	The Presence of Cartilage Affects Femoral Rotational Alignment in Total Knee Arthroplasty. <i>Frontiers in Surgery</i> , 2022, 9, 802631.	0.6	1
6	Postoperative Hip Center Position Associated With the Range of Internal Rotation and Extension During Gait in Hip Dysplasia Patients After Total Hip Arthroplasty. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 831647.	2.0	5
7	Central femoral tunnel placement can reduce stress and strain around bone tunnels and graft more than anteromedial femoral tunnel in anterior cruciate ligament reconstruction. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2022, 38, e3590.	1.0	4
8	A New Reference Axis for Tibial Component Rotation in Total Knee Arthroplasty: A Three-dimensional Computed Tomography Analysis. <i>Frontiers in Surgery</i> , 2022, 9, 872533.	0.6	0
9	An Efficient Needleless Grasping Suture Technique for Graft Preparation in Anterior Cruciate Ligament Reconstruction. <i>Frontiers in Surgery</i> , 2022, 9, .	0.6	0
10	Author Reply to â€œRegarding â€œAugmentation of Anterolateral Structures of the Knee Causes Undesirable Tibiofemoral Cartilage Contact in Double-Bundle Anterior Cruciate Ligament Reconstructionâ€”A Randomized In-Vivo Biomechanics Studyâ€”â€” <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 1392-1394.	1.3	1
11	Influence of the Anteromedial Portal and Transtibial Drilling Technique on Femoral Tunnel Lengths in ACL Reconstruction: Results Using an MRI-Based Model. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712210964.	0.8	0
12	Comparison of instantaneous knee kinematics during walking and running. <i>Gait and Posture</i> , 2022, 97, 8-12.	0.6	1
13	Elongation and orientation pattern of the medial patellofemoral ligament during lunging. <i>Journal of Orthopaedic Research</i> , 2021, 39, 2036-2047.	1.2	3
14	Anterior root of lateral meniscus and medial tibial spine are reliable intraoperative landmarks for the tibial footprint of anterior cruciate ligament. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 806-813.	2.3	3
15	Anterior cruciate ligament bundle insertions vary between ACL-rupture and non-injured knees. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 1164-1172.	2.3	8
16	Multi-View Point-Based Registration for Native Knee Kinematics Measurement with Feature Transfer Learning. <i>Engineering</i> , 2021, 7, 881-888.	3.2	8
17	The deep lateral femoral notch sign: a reliable diagnostic tool in identifying a concomitant anterior cruciate and anterolateral ligament injury. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2021, 29, 1968-1976.	2.3	15
18	In vivo intervertebral kinematics and disc deformations of the human cervical spine during walking. <i>Medical Engineering and Physics</i> , 2021, 87, 63-72.	0.8	6

#	ARTICLE	IF	CITATIONS
19	Effects of Anterolateral Structure Augmentation on the In Vivo Kinematics of Anterior Cruciate Ligament-Reconstructed Knees. <i>American Journal of Sports Medicine</i> , 2021, 49, 656-666.	1.9	14
20	3T MRI-based anatomy of the anterolateral knee ligament in patients with and without an ACL-rupture: Implications for anatomical anterolateral ligament reconstruction. <i>Knee</i> , 2021, 29, 390-398.	0.8	2
21	Optimizing the Femoral Offset for Restoring Physiological Hip Muscle Function in Patients With Total Hip Arthroplasty. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 645019.	2.0	14
22	The anterior and traverse cage can provide optimal biomechanical performance for both traditional and percutaneous endoscopic transforaminal lumbar interbody fusion. <i>Computers in Biology and Medicine</i> , 2021, 131, 104291.	3.9	15
23	More Anterior in vivo Contact Position in Patients With Fixed-Bearing Unicompartmental Knee Arthroplasty During Daily Activities Than in vitro Wear Simulator. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 666435.	2.0	3
24	Do the positioning variables of the cage contribute to adjacent facet joint degeneration? Radiological and clinical analysis following intervertebral fusion. <i>Annals of Translational Medicine</i> , 2021, 9, 776-776.	0.7	6
25	Change in Susceptibility Values in Knee Cartilage After Marathon Running Measured Using Quantitative Susceptibility Mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1585-1593.	1.9	5
26	In vivo primary and coupled segmental motions of the healthy female head-neck complex during dynamic head axial rotation. <i>Journal of Biomechanics</i> , 2021, 123, 110513.	0.9	9
27	Effect of Attachment on Movement Control of the Central Incisor Using Invisible Orthodontics: In-Silico Finite Element Analysis. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2021, 26, 383-390.	0.5	1
28	Well-Placed Acetabular Component Oriented Outside the Safe Zone During Weight-Bearing Daily Activities. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 664907.	2.0	3
29	Loss of Knee Flexion and Femoral Rollback of the Medial-Pivot and Posterior-Stabilized Total Knee Arthroplasty During Early-Stance of Walking in Chinese Patients. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 675093.	2.0	11
30	High variability in anterior cruciate ligament femoral footprint: Implications for anatomical anterior cruciate ligament reconstruction. <i>Knee</i> , 2021, 30, 141-147.	0.8	3
31	Biomechanical Analysis of Personalised 3D-Printed Clavicle Plates of Different Materials to Treat Midshaft Clavicle Fractures. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2021, 26, 259-266.	0.5	2
32	High-speed fluoroscopic imaging for investigation of three-dimensional knee kinematics before and after marathon running. <i>Gait and Posture</i> , 2021, 88, 231-237.	0.6	5
33	Effects of Anterolateral Structure Augmentation on the In Vivo Kinematics of ACL-Reconstructed Knees: Response. <i>American Journal of Sports Medicine</i> , 2021, 49, NP43-NP44.	1.9	1
34	Ligament deformation patterns of the craniocervical junction during head axial rotation tracked by biplane fluoroscopes. <i>Clinical Biomechanics</i> , 2021, 88, 105442.	0.5	0
35	Fixation effects of different types of cannulated screws on vertical femoral neck fracture: A finite element analysis and experimental study. <i>Medical Engineering and Physics</i> , 2021, 97, 32-39.	0.8	7
36	Caudal Insertion of Pedicle Screws Facilitates Interbody Distraction During Spondylolisthetic Vertebrae Restoration: A Retrospective Study. <i>Pain and Therapy</i> , 2021, 10, 1537-1550.	1.5	3

#	ARTICLE	IF	CITATIONS
37	The Femoral Tunnel Drilling Angle at 45° Coronal and 45° Sagittal Provided the Lowest Peak Stress and Strain on the Bone Tunnels and Anterior Cruciate Ligament Graft. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 797389.	2.0	5
38	Intervertebral range of motion characteristics of normal cervical spinal segments (C0-T1) during in vivo neck motions. <i>Journal of Biomechanics</i> , 2020, 98, 109418.	0.9	28
39	Imaging diamagnetic susceptibility of collagen in hepatic fibrosis using susceptibility tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1322-1330.	1.9	8
40	The effects of marathon running on three-dimensional knee kinematics during walking and running in recreational runners. <i>Gait and Posture</i> , 2020, 75, 72-77.	0.6	17
41	Do Sex-Specific Differences Exist in ACL Attachment Location? An MRI-Based 3-Dimensional Topographic Analysis. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712096447.	0.8	2
42	Adverse effects of total hip arthroplasty on the hip abductor and adductor muscle lengths and moment arms during gait. <i>Journal of Orthopaedic Surgery and Research</i> , 2020, 15, 315.	0.9	4
43	Quantifying the ranges of relative motions of the intervertebral discs and facet joints in the normal cervical spine. <i>Journal of Biomechanics</i> , 2020, 112, 110023.	0.9	14
44	The severity of developmental dysplasia of the hip does not correlate with the abnormality in pelvic incidence. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 623.	0.8	4
45	Higher Body Mass Index Is Associated With Biochemical Changes in Knee Articular Cartilage After Marathon Running: A Quantitative T2-Relaxation MRI Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712094387.	0.8	12
46	The Femoral Footprint Position of the Anterior Cruciate Ligament Might Be a Predisposing Factor to a Noncontact Anterior Cruciate Ligament Rupture. <i>American Journal of Sports Medicine</i> , 2019, 47, 3365-3372.	1.9	8
47	Anterior Cruciate Retaining Total Knee Arthroplasty Does Not Restore Native Tibiofemoral Articular Contact Kinematics During Gait. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1929-1937.	1.2	38
48	The Medial Patellofemoral Ligament Is a Dynamic and Anisometric Structure: An In Vivo Study on Length Changes and Isometry. <i>American Journal of Sports Medicine</i> , 2019, 47, 1645-1653.	1.9	33
49	Relations between the Crowe classification and the 3D femoral head displacement in patients with developmental dysplasia of the hip. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 530.	0.8	6
50	Effect of altered proximal femoral geometry on predicting femoral stem anteversion in patients with developmental dysplasia of the hip. <i>Journal of Orthopaedic Surgery and Research</i> , 2019, 14, 420.	0.9	5
51	Weight loss changed gait kinematics in individuals with obesity and knee pain. <i>Gait and Posture</i> , 2019, 68, 461-465.	0.6	33
52	An In Vivo Prediction of Anisometry and Strain in Anterior Cruciate Ligament Reconstruction – A Combined Magnetic Resonance and Dual Fluoroscopic Imaging Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 1094-1103.	1.3	10
53	In vivo elongation of anterior and posterior cruciate ligament in anterior cruciate retaining total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2018, 36, 3239-3246.	1.2	18
54	Differences of the Morphology of Subaxial Cervical Spine Endplates between Chinese and White Men and Women. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	11

#	ARTICLE	IF	CITATIONS
55	In-vivo Elongation Patterns of the Anteromedial and Posterolateral Bundles of the ACL at Low Flexion Angles. <i>Journal of Medical and Biological Engineering</i> , 2017, 37, 321-327.	1.0	3
56	Osteochondritis dissecans of the capitellum: lesion size and pattern analysis using quantitative 3-dimensional computed tomography and mapping technique. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, 1629-1635.	1.2	16
57	Ranges of Cervical Intervertebral Disc Deformation During an In Vivo Dynamic Flexion-Extension of the Neck. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	0.6	17
58	Analysis of in-vivo articular cartilage contact surface of the knee during a step-up motion. <i>Clinical Biomechanics</i> , 2017, 49, 101-106.	0.5	12
59	An in Vivo Simulation of Isometry of the Anterolateral Aspect of the Healthy Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1111-1118.	1.4	14
60	In-Vivo Anterolateral Ligament Length Change in the Healthy Knee During Functional Activities-A Combined Magnetic Resonance and Dual Fluoroscopic Imaging Analysis. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2017, 33, 133-139.	1.3	27
61	Sensitivity and Specificity of Metal Ion Levels in Predicting Pseudotumors due to Taper Corrosion in Patients With Dual Taper Modular Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2017, 32, 996-1000.	1.5	29
62	Six degree-of-freedom knee joint kinematics in obese individuals with knee pain during gait. <i>PLoS ONE</i> , 2017, 12, e0174663.	1.1	14
63	Ipsilateral Varus Knee Alignment Correlates with Increased Femoral Stem Anteversion in Primary Total HIP Arthroplasty. <i>HIP International</i> , 2016, 26, 175-179.	0.9	3
64	Does haptic robot-assisted total hip arthroplasty better restore native acetabular and femoral anatomy?. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2016, 12, 288-295.	1.2	42
65	What Is the Natural History of Asymptomatic Pseudotumours in Metal-on-Metal Hip Arthroplasty? Minimum 4-Year Metal Artifact Reduction Sequence Magnetic Resonance Imaging Longitudinal Study. <i>Journal of Arthroplasty</i> , 2016, 31, 121-126.	1.5	25
66	Assessment of accuracy and precision of 3D reconstruction of unicompartmental knee arthroplasty in upright position using biplanar radiography. <i>Medical Engineering and Physics</i> , 2016, 38, 633-638.	0.8	9
67	Morphologie fémorale: variation selon le sexe - une analyse scanner tridimensionnelle de 122 fémurs. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2016, 102, 60.	0.0	0
68	Does 3-Dimensional In-Vivo Component Rotation Affect Clinical Outcomes in Unicompartmental Knee Arthroplasty?. <i>Journal of Arthroplasty</i> , 2016, 31, 2167-2172.	1.5	22
69	Early Outcomes of Revision Surgery for Taper Corrosion of Dual Taper Total Hip Arthroplasty in 187 Patients. <i>Journal of Arthroplasty</i> , 2016, 31, 1549-1554.	1.5	29
70	Weight-bearing condyle motion of the knee before and after cruciate-retaining TKA: In-vivo surgical transepicondylar axis and geometric center axis analyses. <i>Journal of Biomechanics</i> , 2016, 49, 1891-1898.	0.9	19
71	Instantaneous Center of Rotation of Lower Lumbar Vertebral Segments during a Dynamic Weight-Lifting Activity. <i>Spine Journal</i> , 2016, 16, S382-S383.	0.6	0
72	Postoperative time dependent tibiofemoral articular cartilage contact kinematics during step-up after ACL reconstruction. <i>Journal of Biomechanics</i> , 2016, 49, 3509-3515.	0.9	6

#	ARTICLE	IF	CITATIONS
73	Preoperative Risk Factors Associated With Poor Outcomes of Revision Surgery for "Pseudotumors" in Patients With Metal-on-Metal Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 2835-2842.	1.5	29
74	"Top-Out" Removal of Well-Fixed Dual-Taper Femoral Stems: Surgical Technique and Radiographic Risk Factors. <i>Journal of Arthroplasty</i> , 2016, 31, 2843-2849.	1.5	9
75	Ranges of Cervical Intervertebral Disc Deformation during an In Vivo Dynamic Flexion-Extension of the Neck. <i>Spine Journal</i> , 2016, 16, S259.	0.6	0
76	Asymptomatic Pseudotumors in Patients with Taper Corrosion of a Dual-Taper Modular Femoral Stem. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1735-1740.	1.4	27
77	Three-Dimensional Imaging Analysis of Unicompartmental Knee Arthroplasty Evaluated in Standing Position: Component Alignment and In-Vivo Articular Contact. <i>Journal of Arthroplasty</i> , 2016, 31, 1096-1101.	1.5	12
78	Is Ultrasound As Useful As Metal Artifact Reduction Sequence Magnetic Resonance Imaging in Longitudinal Surveillance of Metal-on-Metal Hip Arthroplasty Patients?. <i>Journal of Arthroplasty</i> , 2016, 31, 1821-1827.	1.5	14
79	Utility of Serum Inflammatory and Synovial Fluid Counts in the Diagnosis of Infection in Taper Corrosion of Dual Taper Modular Stems. <i>Journal of Arthroplasty</i> , 2016, 31, 1997-2003.	1.5	24
80	Side-to-side variation in normal femoral morphology: 3D CT analysis of 122 femurs. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2016, 102, 91-97.	0.9	51
81	Three-dimensional in vivo difference between native acetabular version and acetabular component version influences iliopsoas impingement after total hip arthroplasty. <i>International Orthopaedics</i> , 2016, 40, 1807-1812.	0.9	32
82	Sagittal plane rotation center of lower lumbar spine during a dynamic weight-lifting activity. <i>Journal of Biomechanics</i> , 2016, 49, 371-375.	0.9	20
83	In-vivo analysis of flexion axes of the knee: Femoral condylar motion during dynamic knee flexion. <i>Clinical Biomechanics</i> , 2016, 32, 102-107.	0.5	27
84	In Vivo Dynamic Changes of Dimensions in the Lumbar Intervertebral Foramen. <i>Spine Journal</i> , 2015, 15, S117.	0.6	0
85	In Vivo Deformation of L4-5 and L5-S1 Discs During a Weight-Lifting Extension. <i>Spine Journal</i> , 2015, 15, S97-S98.	0.6	0
86	In-Vivo dynamic changes of dimensions in the lumbar intervertebral foramen. <i>Spine Journal</i> , 2015, 15, 1653-1659.	0.6	31
87	In vivo length change patterns of the medial and lateral collateral ligaments along the flexion path of the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 3055-3061.	2.3	40
88	Principal component analysis in construction of 3D human knee joint models using a statistical shape model method. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 721-729.	0.9	21
89	Asymmetric hip kinematics during gait in patients with unilateral total hip arthroplasty: In vivo 3-dimensional motion analysis. <i>Journal of Biomechanics</i> , 2015, 48, 555-559.	0.9	35
90	Elongation of the collateral ligaments after cruciate retaining total knee arthroplasty and the maximum flexion of the knee. <i>Journal of Biomechanics</i> , 2015, 48, 418-424.	0.9	12

#	ARTICLE	IF	CITATIONS
91	Utility of Preoperative Femoral Neck Geometry in Predicting Femoral Stem Anteversion. Journal of Arthroplasty, 2015, 30, 1079-1084.	1.5	22
92	Motion of the femoral condyles in flexion and extension during a continuous lunge. Journal of Orthopaedic Research, 2015, 33, 591-597.	1.2	25
93	In vivo kinematic evaluation of total hip arthroplasty during stair climbing. Journal of Orthopaedic Research, 2015, 33, 1087-1093.	1.2	14
94	The effect of femoral neck osteotomy on femoral component position of a primary cementless total hip arthroplasty. International Orthopaedics, 2015, 39, 2315-2321.	0.9	32
95	Does component alignment affect gait symmetry in unilateral total hip arthroplasty patients?. Clinical Biomechanics, 2015, 30, 802-807.	0.5	20
96	Articular contact kinematics of the knee before and after a cruciate retaining total knee arthroplasty. Journal of Orthopaedic Research, 2015, 33, 349-358.	1.2	18
97	Prediction of In Vivo Knee Joint Kinematics Using a Combined Dual Fluoroscopy Imaging and Statistical Shape Modeling Technique. Journal of Biomechanical Engineering, 2014, 136, 124503.	0.6	17
98	Gender analysis of the anterior femoral condyle geometry of the knee. Knee, 2014, 21, 529-533.	0.8	18
99	Does total hip arthroplasty restore native hip anatomy? Three-dimensional reconstruction analysis. International Orthopaedics, 2014, 38, 1577-1583.	0.9	56
100	Posterior femoral condylar offsets of a Chinese population. Knee, 2014, 21, 553-556.	0.8	9
101	In-vivo 6 degrees-of-freedom kinematics of metal-on-polyethylene total hip arthroplasty during gait. Journal of Biomechanics, 2014, 47, 1572-1576.	0.9	27
102	In vivo kinematics of the knee during weight bearing high flexion. Journal of Biomechanics, 2013, 46, 1576-1582.	0.9	65
103	A novel dual fluoroscopic imaging method for determination of THA kinematics: In-vitro and in-vivo study. Journal of Biomechanics, 2013, 46, 1300-1304.	0.9	61
104	In-vitro validation of a non-invasive dual fluoroscopic imaging technique for measurement of the hip kinematics. Medical Engineering and Physics, 2013, 35, 411-416.	0.8	29
105	Intervertebral anticollision constraints improve out-of-plane translation accuracy of a single-plane fluoroscopy-to-CT registration method for measuring spinal motion. Medical Physics, 2013, 40, 031912.	1.6	22
106	Biomechanical Comparisons Between 4-Strand and Modified Larson 2-Strand Procedures for Reconstruction of the Posterolateral Corner of the Knee. American Journal of Sports Medicine, 2011, 39, 1462-1469.	1.9	37
107	Influence of soft tissue artifacts on the calculated kinematics and kinetics of total knee replacements during sit-to-stand. Gait and Posture, 2011, 33, 379-384.	0.6	43
108	Effects of soft tissue artifacts on the calculated kinematics and kinetics of the knee during stair-ascent. Journal of Biomechanics, 2011, 44, 1182-1188.	0.9	67



#	ARTICLE	IF	CITATIONS
109	IN VIVO THREE-DIMENSIONAL KINEMATICS OF TOTAL KNEE REPLACEMENTS DURING OPEN AND CLOSED KINETIC CHAIN ACTIVITIES. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 279-285.	0.3	0
110	A volumetric model-based 2D to 3D registration method for measuring kinematics of natural knees with single-plane fluoroscopy. Medical Physics, 2010, 37, 1273-1284.	1.6	60
111	QUANTIFICATION OF THREE-DIMENSIONAL MOVEMENT OF SKIN MARKERS RELATIVE TO THE UNDERLYING BONES DURING FUNCTIONAL ACTIVITIES. Biomedical Engineering - Applications, Basis and Communications, 2009, 21, 223-232.	0.3	30
112	In vivo three-dimensional kinematics of the normal knee during active extension under unloaded and loaded conditions using single-plane fluoroscopy. Medical Engineering and Physics, 2008, 30, 1004-1012.	0.8	67
113	THE EFFECTS OF PEDAL RATES ON PEDAL REACTION FORCES DURING ELLIPTICAL EXERCISE. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 207-214.	0.3	4