Nicola Lopomo

List of Publications by Year
in descending order

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144 papers	3,256 citations	147566 31 h-index	174990 52 g-index
157 all docs	157 docs citations	157 times ranked	2313 citing authors

#	Article	IF	Citations
1	A 2D video-analysis scoring system of 90Â° change of direction technique identifies football players with high knee abduction moment. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 3616-3625.	2.3	19
2	Ergonomics in Endoscopic Transsphenoidal Surgery: A Survey of the North American Skull Base Society. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, e380-e385.	0.4	2
3	An Integrated Rehabilitation Platform Based on Action Observation Therapy, Mixed Reality and Wearable Technologies. Biosystems and Biorobotics, 2022, , 239-244.	0.2	0
4	A Repertoire of Virtual-Reality, Occupational Therapy Exercises for Motor Rehabilitation Based on Action Observation. Data, 2022, 7, 9.	1.2	1
5	Computer-assisted orthopedic surgery. , 2022, , 533-554.		0
6	How to Assess the Measurement Performance of Mobile/Wearable Point-of-Care Testing Devices? A Systematic Review Addressing Sweat Analysis. Electronics (Switzerland), 2022, 11, 761.	1.8	6
7	Hamstring grafts for anterior cruciate ligament reconstruction show better magnetic resonance features when tibial insertion is preserved. Knee Surgery, Sports Traumatology, Arthroscopy, 2021, 29, 507-518.	2.3	12
8	Evaluation of cartilage biomechanics and knee joint microenvironment after different cell-based treatments in a sheep model of early osteoarthritis. International Orthopaedics, 2021, 45, 427-435.	0.9	16
9	Integration of Wearable Inertial Sensors and Mobile Technology for Outpatient Functional Assessment: A Paradigmatic Application to Evaluate Shoulder Stability. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 82-98.	0.2	0
10	Novel Wearable System for Surface EMG Using Compact Electronic Board and Printed Matrix of Electrodes. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 55-60.	0.2	1
11	How preconditioning and pretensioning of grafts used in ACLigaments surgical reconstruction are influenced by their mechanical time-dependent characteristics: Can we optimize their initial loading state?. Clinical Biomechanics, 2021, 83, 105294.	0.5	6
12	Rehabilitation and Return to Sport Assessment after Anterior Cruciate Ligament Injury: Quantifying Joint Kinematics during Complex High-Speed Tasks through Wearable Sensors. Sensors, 2021, 21, 2331.	2.1	34
13	Importance of Work-Related Psychosocial Factors in Exertion Perception Using the Borg Scale Among Workers Subjected to Heavy Physical Work. Frontiers in Public Health, 2021, 9, 678827.	1.3	5
14	Extra-Corporeal Membrane Oxygenation Cadaver Donors: What about Tissues Used as Allografts?. Membranes, 2021, 11, 545.	1.4	5
15	Anisotropy and inhomogeneity of permeability and fibrous network response in the pars intermedia of the human lateral meniscus. Acta Biomaterialia, 2021, 135, 393-402.	4.1	5
16	Validation of a numerical model for the mechanical behavior of a continuous positive airway pressure mask. Computer Methods in Biomechanics and Biomedical Engineering, 2021, , 1-11.	0.9	2
17	Perspective-dependent activation of frontoparietal circuits during the observation of a static body effector. Brain Research, 2021, 1769, 147604.	1.1	1
18	The Human Meniscus Behaves as a Functionally Graded Fractional Porous Medium under Confined Compression Conditions. Applied Sciences (Switzerland), 2021, 11, 9405.	1.3	11

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19	Isolated Resistance Training Programs to Improve Peripheral Muscle Function in Outpatients with Chronic Obstructive Pulmonary Diseases: A Systematic Review. Healthcare (Switzerland), 2021, 9, 1397.	1.0	7
20	Late Breaking Abstract - Feasibility of instrumented ventilatory and functional evaluation in patients with chronic obstructive pulmonary disease. , 2021, , .		0
21	Observation of othersâ€™ actions during limb immobilization prevents the subsequent decay of motor performance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
22	A Comprehensive Framework to Evaluate the Effects of Anterior Cruciate Ligament Injury and Reconstruction on Graft and Cartilage Status through the Analysis of MRI T2 Relaxation Time and Knee Laxity: A Pilot Study. Life, 2021, 11, 1383.	1.1	3
23	â€œDoes isometric exercise improve leg stiffness and hop pain in subjects with Achilles tendinopathy? A feasibility studyâ€• Physical Therapy in Sport, 2020, 46, 234-242.	0.8	6
24	Impedance-Based Monitoring of Mesenchymal Stromal Cell Three-Dimensional Proliferation Using Aerosol Jet Printed Sensors: A Tissue Engineering Application. Materials, 2020, 13, 2231.	1.3	17
25	Supervised Machine Learning Applied to Wearable Sensor Data Can Accurately Classify Functional Fitness Exercises Within a Continuous Workout. Frontiers in Bioengineering and Biotechnology, 2020, 8, 664.	2.0	24
26	A non-linear stochastic approach of ligaments and tendons fractional-order hereditariness. Probabilistic Engineering Mechanics, 2020, 60, 103034.	1.3	9
27	Patient-Reported and Quantitative Outcomes of Anatomic Anterior Cruciate Ligament Reconstruction With Hamstring Tendon Autografts. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712092615.	0.8	8
28	No differences in knee kinematics between active and passive flexion-extension movement: an intra-operative kinematic analysis performed during total knee arthroplasty. Journal of Experimental Orthopaedics, 2020, 7, 12.	0.8	7
29	The current use of wearable sensors to enhance safety and performance in breath-hold diving: A systematic review. Diving and Hyperbaric Medicine, 2020, 50, 54-65.	0.2	12
30	Validation of a modular and wearable system for tracking fingers movements. Acta IMEKO (2012), 2020, 9, 157.	0.4	1
31	A Reliable and Inexpensive Integration of Virtual Reality and Digital Human Modelling to Estimate Cervical Spine Function. Lecture Notes in Computer Science, 2020, , 178-193.	1.0	0
32	Proactive Analysis of Complex Systems Through DHM: Paradigmatic Application of an Innovative Ergonomic Cumulative Index to Large Retail Stores. Lecture Notes in Computer Science, 2020, , 557-567.	1.0	1
33	Validation of an optical, computer-assisted technique for intraoperative tracking of 3-dimensional canine stifle joint motion. Open Veterinary Journal, 2020, 10, 86-93.	0.3	2
34	New models of care and multidimensional solutions for oncological patients in the post-acute SARS-COV-2 period: a "Second Phase" also for cancer patients. European Review for Medical and Pharmacological Sciences, 2020, 24, 11445-11454.	0.5	1
35	Monitoring Knee Biomechanics in Patients Undergoing Anterior Cruciate Ligament Reconstruction: How Joint Loading Affects Cartilage Quality. Materials Today: Proceedings, 2019, 7, 522-528.	0.9	0
36	Integration of micro-CT and uniaxial loading to analyse the evolution of 3D microstructure under increasing strain: application to the Anterior Cruciate Ligament. Materials Today: Proceedings, 2019, 7, 501-507.	0.9	5

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37	Characterization of Sensorized Porous 3D Gelatin/Chitosan Scaffolds Via Bio-impedance Spectroscopy. Lecture Notes in Electrical Engineering, 2019, , 609-617.	0.3	0
38	3D gelatin-chitosan hybrid hydrogels combined with human platelet lysate highly support human mesenchymal stem cell proliferation and osteogenic differentiation. Journal of Tissue Engineering, 2019, 10, 204173141984585.	2.3	59
39	A Review on Biomaterials for 3D Conductive Scaffolds for Stimulating and Monitoring Cellular Activities. Applied Sciences (Switzerland), 2019, 9, 961.	1.3	40
40	Monitoring Caco-2 to enterocyte-like cells differentiation by means of electric impedance analysis on printed sensors. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 893-902.	1.1	30
41	Advanced microscopy analysis of the micro-nanoscale architecture of human menisci. Scientific Reports, 2019, 9, 18732.	1.6	22
42	INK-JET PRINTED STRETCHABLE SENSORS FOR CELL MONITORING UNDER MECHANICAL STIMULI: A FEASIBILITY STUDY. Journal of Mechanics in Medicine and Biology, 2019, 19, 1950049.	0.3	3
43	Using Digital Human Modeling to Evaluate Large Scale Retailersâ€™ Furniture: Two Case Studies. Advances in Intelligent Systems and Computing, 2019, , 512-521.	0.5	1
44	Comparison Among Standard Method, Dedicated Toolbox and Kinematic-Based Approach in Assessing Risk of Developing Upper Limb Musculoskeletal Disorders. Advances in Intelligent Systems and Computing, 2019, , 135-145.	0.5	5
45	A Software Toolbox to Improve Time-Efficiency and Reliability of an Observational Risk Assessment Method. Advances in Intelligent Systems and Computing, 2019, , 689-708.	0.5	3
46	The Evaluation of Existing Large-Scale Retailersâ€™ Furniture Using DHM. Advances in Intelligent Systems and Computing, 2019, , 339-350.	0.5	0
47	Correlation between quantitative pivot shift and generalized joint laxity: a prospective multicenter study of ACL ruptures. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 2362-2370.	2.3	30
48	Anatomic Anterior Cruciate Ligament Reconstruction Using Hamstring Tendons Restores Quantitative Pivot Shift. Orthopaedic Journal of Sports Medicine, 2018, 6, 232596711881236.	0.8	14
49	High-grade rotatory knee laxity may be predictable in ACL injuries. Knee Surgery, Sports Traumatology, Arthroscopy, 2018, 26, 3762-3769.	2.3	24
50	Novel nanobiocomposite hydrogels based on gelatin/chitosan and functionalized graphene. AIP Conference Proceedings, 2018, , .	0.3	1
51	Perspective-dependent reactivity of sensorimotor mu rhythm in alpha and beta ranges during action observation: an EEG study. Scientific Reports, 2018, 8, 12429.	1.6	55
52	Carbon on poly(Îµ-caprolactone) (PCL) Ink-jet Printed Sensor for Monitoring Cell Cultures of Myoblasts. IFMBE Proceedings, 2018, , 783-786.	0.2	1
53	Preliminary Study of a Low-Cost Point-of-Care Testing System Using Screen-Printed Biosensors for Early Biomarkers Detection Related to Alzheimer Disease. Lecture Notes in Electrical Engineering, 2018, , 238-246.	0.3	0
54	Analysis of the influence of anaesthesia on the clinical and quantitative assessment of the pivot shift: a multicenter international study. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 3004-3011.	2.3	27

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55	Evaluation of the sealing function of the acetabular labrum: an in vitro biomechanical study. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 62-71.	2.3	18
56	Kinematics of ACL and anterolateral ligament. PartÂII: anterolateral and anterior cruciate ligament reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1062-1067.	2.3	13
57	Effects of working gas pressure on zirconium dioxide thin film prepared by pulsed plasma deposition: roughness, wettability, friction and wear characteristics. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 72, 200-208.	1.5	5
58	Wireless Point-of-Care Platform With Screen-Printed Sensors for Biomarkers Detection. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2448-2455.	2.4	18
59	Outcomes Based on Surgery and Rehabilitation. , 2017, , 497-512.		0
60	Kinematics of ACL and anterolateral ligament. Part I: Combined lesion. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1055-1061.	2.3	49
61	Use of Wearable Inertial Sensor in the Assessment of Timed-Up-and-Go Test: Influence of Device Placement on Temporal Variable Estimation. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 310-317.	0.2	8
62	Navigating the Pivot-Shift Test. , 2017, , 245-254.		0
63	Validation of Quantitative Measures of Rotatory Knee Laxity. American Journal of Sports Medicine, 2016, 44, 2393-2398.	1.9	64
64	Screen-Printed Biosensors for the Early Detection of Biomarkers Related to Alzheimer Disease: Preliminary Results. Procedia Engineering, 2016, 168, 147-150.	1.2	3
65	Preliminary Study of Inkjet Printed Sensors for Monitoring Cell Cultures. Procedia Engineering, 2016, 168, 578-581.	1.2	10
66	Predictive mathematical modeling of knee static laxity after ACL reconstruction: in vivo analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 1610-1617.	0.9	2
67	Preliminary study of a low-cost point-of-care testing system using screen-printed biosensors: For early biomarkers detection related to Alzheimer Disease. , 2016, , .		3
68	No proof for the best instrumented device to grade the pivot shift test: a systematic review. Journal of ISAKOS, 2016, 1, 269-275.	1.1	2
69	The Influence of Meniscal and Anterolateral Capsular Injury on Knee Laxity in Patients With Anterior Cruciate Ligament Injuries. American Journal of Sports Medicine, 2016, 44, 3126-3131.	1.9	161
70	Technical variables of ACL surgical reconstruction: effect on post-operative static laxity and clinical implication. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 3496-3506.	2.3	7
71	Soft Tissues Contribution to HIP Joint Kinematics and Biomechanics. HIP International, 2016, 26, S23-S27.	0.9	5
72	Surface morphology, tribological properties and in vitro biocompatibility of nanostructured zirconia thin films. Journal of Materials Science: Materials in Medicine, 2016, 27, 96.	1.7	24

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73	Changes in the orientation of knee functional flexion axis during passive flexion and extension movements in navigated total knee arthroplasty. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2461-2469.	2.3	4
74	Tribological characterization of zirconia coatings deposited on Ti6Al4V components for orthopedic applications. Materials Science and Engineering C, 2016, 62, 643-655.	3.8	35
75	Optimizing thickness of ceramic coatings on plastic components for orthopedic applications: A finite element analysis. Materials Science and Engineering C, 2016, 58, 381-388.	3.8	13
76	Comparison of three formal methods used to estimate the functional axis of rotation: an extensivein-vivoanalysis performed on the knee joint. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 484-492.	0.9	15
77	Two different approaches for novel extracapsular cranial cruciate ligament reconstruction: an in vitro kinematics study. Journal of Small Animal Practice, 2015, 56, 398-406.	0.5	11
78	Nanomechanical mapping of bone tissue regenerated by magnetic scaffolds. Journal of Materials Science: Materials in Medicine, 2015, 26, 5363.	1.7	17
79	RESTORATION OF THE SEAL FUNCTION OF THE ACETABULAR LABRUM: IN VITRO STUDY. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540036.	0.3	1
80	CERAMIC THIN FILMS REALIZED BY MEANS OF PULSED PLASMA DEPOSITION TECHNIQUE: APPLICATIONS FOR ORTHOPEDICS. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540002.	0.3	14
81	Anterolateral rotatory instability of the knee. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2909-2917.	2.3	40
82	NANOMECHANICAL CHARACTERIZATION OF ZIRCONIA THIN FILMS DEPOSITED ON UHMWPE BY PULSED PLASMA DEPOSITION. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550070.	0.3	16
83	Biomechanical effect of posterolateral corner sectioning after ACL injury and reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2918-2924.	2.3	23
84	Alternative Techniques for Double-Tunnel Anatomic Anterior Cruciate Ligament Reconstruction. , 2015, , 873-881.		0
85	Anatomic and Nonanatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. American Journal of Sports Medicine, 2014, 42, 708-715.	1.9	22
86	Analysis of knee functional flexion axis in navigated TKA: identification and repeatability before and after implant positioning. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 694-702.	2.3	11
87	Can rotatory knee laxity be predicted in isolated anterior cruciate ligament surgery?. International Orthopaedics, 2014, 38, 1167-1172.	0.9	14
88	Inertial sensors to quantify the pivot shift test in the treatment of anterior cruciate ligament injury. Joints, 2014, 02, 124-129.	1.5	31
89	The influence of medial patellofemoral ligament on patellofemoral joint kinematics and patellar stability. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 2164-2171.	2.3	67
90	In vitro analysis of peri-articular soft tissues passive constraining effect on hip kinematics and joint stability. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 1655-1663.	2.3	60

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91	Quantifying the pivot shift test: a systematic review. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 767-783.	2.3	62
92	Are the tubular grafts in the femoral tunnel in an anatomical or isometric position in the reconstruction of medial patellofemoral ligament?. International Orthopaedics, 2013, 37, 1933-1941.	0.9	24
93	Pulsed plasma deposition of zirconia thin films on UHMWPE: proof of concept of a novel approach for joint prosthetic implants. Journal of Materials Chemistry B, 2013, 1, 310-318.	2.9	22
94	Relationship between femoroacetabular contact areas and hip position in the normal joint: an in vitro evaluation. Knee Surgery, Sports Traumatology, Arthroscopy, 2013, 21, 408-414.	2.3	15
95	Medial Patellofemoral Ligament Influence on Patellofemoral Joint Kinematics: An In-Vitro Analysis. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, e116-e117.	1.3	1
96	A Standardized Technique in Performing Pivot-Shift Test on the Knee Joint Provided More Consistent Acceleration Curve Shape, Allowing to Highlight Side-to-Side Differences. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2013, 29, e175.	1.3	1
97	Innovative Technology for Knee Laxity Evaluation. Clinics in Sports Medicine, 2013, 32, 61-70.	0.9	31
98	Do preâ€operative knee laxity values influence postâ€operative ones after anterior cruciate ligament reconstruction?. Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e219-24.	1.3	30
99	Tibiofemoral Joint Kinematics. , 2013, , 173-186.		1
100	Cruciate Ligament Reconstruction: Kinematic Evaluation. , 2013, , 115-127.		0
101	COMPARISON OF THREE FORMAL METHODS TO DETERMINE KNEE FUNCTIONAL FLEXION-EXTENSION AXIS. Journal of Biomechanics, 2012, 45, S64.	0.9	0
102	ONE-STEP FUNCTIONAL REGISTRATION FOR KINEMATIC ANALYSIS IN COMPUTER AIDED SURGERY. Journal of Biomechanics, 2012, 45, S65.	0.9	0
103	An original clinical methodology for non-invasive assessment of pivot-shift test. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1323-1328.	0.9	103
104	A new approach to scaffold fixation by magnetic forces: Application to large osteochondral defects. Medical Engineering and Physics, 2012, 34, 1287-1293.	0.8	21
105	Quantitative assessment of pivot-shift using inertial sensors. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 713-717.	2.3	94
106	Can the pivot-shift be eliminated by anatomic double-bundle anterior cruciate ligament reconstruction?. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 743-751.	2.3	34
107	Anatomic double-bundle and over-the-top single-bundle with additional extra-articular tenodesis: an in vivo quantitative assessment of knee laxity in two different ACL reconstructions. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 153-159.	2.3	94
108	Knee functional flexion axis in osteoarthritic patients: comparison in vivo with transepicondylar axis using a navigation system. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 552-558.	2.3	29

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109	Prospective Long-Term Outcomes of the Medial Collagen Meniscus Implant Versus Partial Medial Meniscectomy. American Journal of Sports Medicine, 2011, 39, 977-985.	1.9	197
110	Paper 1: Evaluation of Acetabular Contact Areas and Femoral Head Motion In Vivo During Pivoting Motion of the Hip. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, e1-e2.	1.3	1
111	Paper # 134: Does Chronic MCL Laxity in the Setting of ACL Reconstruction Influence Clinical Results? A Prospective Evaluation from Surgery to Minimum 3 years Follow-Up. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, e156.	1.3	0
112	Can the method of fixation influence the wear behaviour of ZrN coated unicompartmental mobile knee prostheses?. Clinical Biomechanics, 2011, 26, 152-158.	0.5	11
113	Single-bundle patellar tendon versus non-anatomical double-bundle hamstrings ACL reconstruction: a prospective randomized study at 8-year minimum follow-up. Knee Surgery, Sports Traumatology, Arthroscopy, 2011, 19, 390-397.	2.3	121
114	Does chronic medial collateral ligament laxity influence the outcome of anterior cruciate ligament reconstruction?. Journal of Bone and Joint Surgery: British Volume, 2011, 93-B, 1060-1064.	3.4	38
115	Clinical relevance of static and dynamic tests after anatomical double-bundle ACL reconstruction. Knee Surgery, Sports Traumatology, Arthroscopy, 2010, 18, 37-42.	2.3	64
116	Pivotâ€shift test: Analysis and quantification of knee laxity parameters using a navigation system. Journal of Orthopaedic Research, 2010, 28, 164-169.	1.2	115
117	ACCURACY CHARACTERIZATION OF AN INTEGRATED OPTICAL-BASED METHOD FOR LOADS MEASUREMENT IN COMPUTER AIDED SURGERY. Journal of Mechanics in Medicine and Biology, 2010, 10, 577-591.	0.3	4
118	Evaluation of formal methods in hip joint center assessment: An in vitro analysis. Clinical Biomechanics, 2010, 25, 206-212.	0.5	47
119	Knee stability before and after total and unicondylar knee replacement: In vivo kinematic evaluation utilizing navigation. Journal of Orthopaedic Research, 2009, 27, 202-207.	1.2	36
120	Does a lateral plasty control coupled translation during antero-posterior stress in single-bundle ACL reconstruction? An in vivo study. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 65-70.	2.3	53
121	Intraoperative evaluation of total knee replacement: kinematic assessment with a navigation system. Knee Surgery, Sports Traumatology, Arthroscopy, 2009, 17, 369-373.	2.3	53
122	In-vitro experimental assessment of a new robust algorithm for hip joint centre estimation. Journal of Biomechanics, 2009, 42, 989-995.	0.9	23
123	Reliability of a navigation system for intra-operative evaluation of antero-posterior knee joint laxity. Computers in Biology and Medicine, 2009, 39, 280-285.	3.9	63
124	In Vivo Validation of a Realistic Kinematic Model for the Trapezio-Metacarpal Joint Using an Optoelectronic System. Annals of Biomedical Engineering, 2008, 36, 1268-1280.	1.3	31
125	A NEW IN-VITRO SETUP FOR WEAR ANALYSIS OF UKP - PRELIMINARY RESULTS. Journal of Biomechanics, 2008, 41, S439.	0.9	0
126	Accuracy, Reliability, and Repeatability of Navigation Systems in Clinical Practice. Operative Techniques in Orthopaedics, 2008, 18, 154-157.	0.2	11

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127	Quantitative Correlation Between IKDC Score, Static Laxity, and Pivot-Shift Test: A Kinematic Analysis of Knee Stability in Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction. Operative Techniques in Orthopaedics, 2008, 18, 185-189.	0.2	11
128	Unicompartmental knee prostheses:in vitrowear assessment of the menisci tibial insert after two different fixation methods. Physics in Medicine and Biology, 2008, 53, 5357-5369.	1.6	21
129	Description and validation of a navigation system for intra-operative evaluation of knee laxity. Computer Aided Surgery, 2007, 12, 181-188.	1.8	64
130	KIN-Nav navigation system for kinematic assessment in anterior cruciate ligament reconstruction: Features, use, and perspectives. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2007, 221, 725-737.	1.0	28
131	Does ACL Reconstruction Restore Knee Stability in Combined Lesions?. Clinical Orthopaedics and Related Research, 2007, 454, 95-99.	0.7	75
132	INTRA-OPERATIVE EVALUATION OF KNEE KINEMATICS IN ANTERIOR CRUCIATE LIGAMENT SURGERY. Journal of Biomechanics, 2007, 40, S548.	0.9	0
133	Validation of a new protocol for navigated intraoperative assessment of knee kinematics. Computers in Biology and Medicine, 2007, 37, 872-878.	3.9	52
134	-STUDYJOINT- A GRAPHICAL USER INTERFACE FOR BIOMECHANICAL ANALYSIS OF DIARTHRODIAL JOINTS. Journal of Biomechanics, 2007, 40, S435.	0.9	0
135	Finger Kinematic Modeling and Real-Time Hand Motion Estimation. Annals of Biomedical Engineering, 2007, 35, 1989-2002.	1.3	71
136	Description and validation of a navigation system for intra-operative evaluation of knee laxity. Computer Aided Surgery, 2007, 12, 181-188.	1.8	15
137	Kinematic analysis of the influence of the lateral plasty during ACL reconstruction. Journal of Biomechanics, 2006, 39, S58.	0.9	0
138	A navigated procedure for kinematic evaluations during knee surgery. Journal of Biomechanics, 2006, 39, S574.	0.9	0
139	In-vivo estimation of the kinematic parameters of the trapezio-metacarpal joint using surface markers. Journal of Biomechanics, 2006, 39, S82.	0.9	1
140	Software environment for joint biomechanic analysis. Journal of Biomechanics, 2006, 39, S648.	0.9	0
141	New intraoperative protocol for kinematic evaluation of ACL reconstruction: preliminary results. Knee Surgery, Sports Traumatology, Arthroscopy, 2006, 14, 811-816.	2.3	73
142	Development and applications of a software tool for diarthrodial joint analysis. Computer Methods and Programs in Biomedicine, 2006, 83, 50-56.	2.6	10
143	Derivation of Centers and Axes of Rotation for Wrist and Fingers in a Hand Kinematic Model: Methods and Reliability Results. Annals of Biomedical Engineering, 2005, 33, 402-412.	1.3	57
144	A new software tool for fast and repeatable joint biomechanic analysis. WIT Transactions on Biomedicine and Health, 2005, , .	0.0	0