Joseph J Crisco

List of Publications by Year
in descending order

195	10,030	31976	40979
papers	citations	53 h-index	93 g-index

197	197	197	5582
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Association of AUSCAN and PRWHE Patient-reported Outcome Measures With Radiographic Progression of Early Thumb Carpometacarpal Arthritis at 36-Month Follow-up Is Limited to Subtle Changes in the Pain Subscale. Hand, 2022, 17, 354-360.	1.2	2
2	An Anatomical Evaluation of the Trapezium and Its Relationship to Basilar Joint Osteophytic Change. Hand, 2022, 17, 714-722.	1.2	1
3	Head Impact Exposure in Youth and Collegiate American Football. Annals of Biomedical Engineering, 2022, 50, 1488-1497.	2.5	6
4	Evaluation of the PROMIS Upper Extremity Against Validated Patient-Reported Outcomes in Patients With Early Carpometacarpal Osteoarthritis. Journal of Hand Surgery, 2022, 47, 621-628.	1.6	3
5	Psychometric properties of the standardized assessment of concussion in youth football: Validity, reliability, and demographic factors. Applied Neuropsychology: Child, 2021, 10, 377-383.	1.4	1
6	Neuropsychological Change After a Single Season of Head Impact Exposure in Youth Football. Journal of the International Neuropsychological Society, 2021, 27, 113-123.	1.8	7
7	Design Considerations for Total Wrist Arthroplasty. , 2021, , 111-125.		0
8	Biplanar Videoradiography to Study the Wrist and Distal Radioulnar Joints. Journal of Visualized Experiments, 2021, , .	0.3	5
9	Biomechanics of the Distal Radioulnar Joint During In Vivo Forearm Pronosupination. Journal of Wrist Surgery, 2021, 10, 208-215.	0.7	3
10	â€œStress taperâ€•fixation increases torsional failure strength in a cadaveric femur model. Clinical Biomechanics, 2021, , 105352.	1.2	0
11	Total Wrist Arthroplasty Alignment and Its Potential Association with Clinical Outcomes. Journal of Wrist Surgery, 2021, 10, 308-315.	0.7	1
12	Optical motion capture accuracy is task-dependent in assessing wrist motion. Journal of Biomechanics, 2021, 120, 110362.	2.1	2
13	In vivo articular contact pattern of a total wrist arthroplasty design. Journal of Biomechanics, 2021, 121, 110420.	2.1	4
14	The role of scapholunate interosseous, dorsal intercarpal, and radiolunate ligaments in wrist biomechanics. Journal of Biomechanics, 2021, 125, 110567.	2.1	5
15	Three-Dimensional Characterization of Trabecular Bone Mineral Density of the Distal Radius Utilizing Quantitative Computed Tomography. Hand, 2020, 15, 131-139.	1.2	2
16	Development of a Concussion Risk Function for a Youth Population Using Head Linear and Rotational Acceleration. Annals of Biomedical Engineering, 2020, 48, 92-103.	2.5	44
17	Osteophyte volume calculation using dissimilarityâ€excluding Procrustes registration of archived bone models from healthy volunteers. Journal of Orthopaedic Research, 2020, 38, 1307-1315.	2.3	10
18	The Effectiveness of Regulations and Behavioral Interventions on Head Impacts and Concussions in Youth, High-School, and Collegiate Football: A Systematized Review. Annals of Biomedical Engineering, 2020, 48, 2508-2530.	2.5	8

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19	Proximalâ€distal shift of the center of rotation in a total wrist arthroplasty is more than twice of the healthy wrist. Journal of Orthopaedic Research, 2020, 38, 1575-1586.	2.3	16
20	Accuracy of an electrogoniometer relative to optical motion tracking for quantifying wrist range of motion. Journal of Medical Engineering and Technology, 2020, 44, 49-54.	1.4	7
21	An Approach to Robotic Testing of the Wrist Using Three-Dimensional Imaging and a Hybrid Testing Methodology. Journal of Biomechanical Engineering, 2020, 142, .	1.3	2
22	Automatic segmentation of the thumb trapeziometacarpal joint using parametric statistical shape modelling and random forest regression voting. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 297-301.	1.9	2
23	Predicting Carpal Bone Kinematics Using an Expanded Digital Database of Wrist Carpal Bone Anatomy and Kinematics. Journal of Orthopaedic Research, 2019, 37, 2661-2670.	2.3	19
24	Differences in the Rotation Axes of the Scapholunate Joint During Flexion-Extension and Radial-Ulnar Deviation Motions. Journal of Hand Surgery, 2019, 44, 772-778.	1.6	7
25	Do American Youth Football Players Intentionally Use Their Heads for High-Magnitude Impacts?. American Journal of Sports Medicine, 2019, 47, 3498-3504.	4.2	12
26	The 6-O'clock Anchor Increases Labral Repair Strength in a Biomechanical Shoulder Instability Model. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2019, 35, 2795-2800.	2.7	10
27	Osteophyte growth in early thumb carpometacarpal osteoarthritis. Osteoarthritis and Cartilage, 2019, 27, 1315-1323.	1.3	16
28	Accuracy of biplane videoradiography for quantifying dynamic wrist kinematics. Journal of Biomechanics, 2019, 92, 120-125.	2.1	17
29	Kinematic Accuracy in Tracking Total Wrist Arthroplasty With Biplane Videoradiography Using a Computed Tomography-Generated Model. Journal of Biomechanical Engineering, 2019, 141, .	1.3	9
30	Biomechanical Comparison of the Long Head of the Biceps Tendon Versus Conjoint Tendon Transfer in a Bone Loss Shoulder Instability Model. Orthopaedic Journal of Sports Medicine, 2019, 7, 232596711988354.	1.7	23
31	Efficacy of a radial-based thumb metacarpophalangeal-stabilizing orthosis for protecting the thumb metacarpophalangeal joint ulnar collateral ligament. Journal of Hand Therapy, 2019, 32, 80-85.	1.5	3
32	Estimated Brain Tissue Response Following Impacts Associated With and Without Diagnosed Concussion. Annals of Biomedical Engineering, 2018, 46, 819-830.	2.5	42
33	The Kinetics of Swinging a Baseball Bat. Journal of Applied Biomechanics, 2018, 34, 386-391.	0.8	2
34	Critical Glenoid Bone Loss in Posterior Shoulder Instability. American Journal of Sports Medicine, 2018, 46, 1058-1063.	4.2	42
35	Ulnar Styloid Base Fractures Cause Distal Radioulnar Joint Instability in a Cadaveric Model. Hand, 2018, 13, 65-73.	1.2	19
36	Fixation Strength in Full and Limited Fixation of Osteoporotic Distal Radius Fractures. Hand, 2018, 13, 461-465.	1.2	3

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37	Changes in Local Bone Density in Early Thumb Carpometacarpal Joint Osteoarthritis. Journal of Hand Surgery, 2018, 43, 33-38.	1.6	13
38	The AUSCAN and PRWHE Demonstrate Comparable Internal Consistency and Validity in Patients With Early Thumb Carpometacarpal Osteoarthritis. Hand, 2018, 13, 652-658.	1.2	11
39	A Biomechanical Evaluation of a 2-Suture Anchor Repair Technique for Thumb Metacarpophalangeal Joint Ulnar Collateral Ligament Injuries. Hand, 2018, 13, 581-585.	1.2	9
40	Relative Contributions of the Midcarpal and Radiocarpal Joints to Dart-Throwerâ€™s Motion at the Wrist. Journal of Hand Surgery, 2018, 43, 234-240.	1.6	15
41	Head Impact Exposure in Practices Correlates With Exposure in Games for Youth Football Players. Journal of Applied Biomechanics, 2018, 34, 354-360.	0.8	13
42	Four-Year Outcomes of Midcarpal Hemiarthroplasty for Wrist Arthritis. Journal of Hand Surgery, 2017, 42, 894-903.	1.6	9
43	Reduction in Cylindrical Grasp Strength Is Associated With Early Thumb Carpometacarpal Osteoarthritis. Clinical Orthopaedics and Related Research, 2017, 475, 522-528.	1.5	15
44	Trapeziometacarpal joint contact varies between men and women during three isometric functional tasks. Medical Engineering and Physics, 2017, 50, 43-49.	1.7	15
45	Joint-Specific Play Controller for Upper Extremity Therapy: Feasibility Study in Children With Wrist Impairment. Physical Therapy, 2016, 96, 1773-1781.	2.4	0
46	Comparison of transhumeral socket designs utilizing patient assessment and in vivo skeletal and socket motion tracking: a case study. Disability and Rehabilitation: Assistive Technology, 2016, 11, 423-432.	2.2	5
47	Weaker Functional Pinch Strength Is Associated With Early Thumb Carpometacarpal Osteoarthritis. Clinical Orthopaedics and Related Research, 2016, 474, 557-561.	1.5	41
48	Surrogate Headform Accelerations Associated with Stick Checks in Girlsâ€™ Lacrosse. Journal of Applied Biomechanics, 2015, 31, 122-127.	0.8	11
49	Early osteoarthritis of the trapeziometacarpal joint is not associated with joint instability during typical isometric loading. Journal of Orthopaedic Research, 2015, 33, 1639-1645.	2.3	26
50	Extracting Time-Accurate Acceleration Vectors From Nontrivial Accelerometer Arrangements. Journal of Biomechanical Engineering, 2015, 137, .	1.3	3
51	The Envelope of Physiological Motion of the First Carpometacarpal Joint. Journal of Biomechanical Engineering, 2015, 137, 101002.	1.3	23
52	Subject-Specific Carpal Ligament Elongation in Extreme Positions, Grip, and the Dart Thrower's Motion. Journal of Biomechanical Engineering, 2015, 137, 111006.	1.3	16
53	InÂVivo Kinematics of the Trapeziometacarpal Joint During Thumb Extension-Flexion and Abduction-Adduction. Journal of Hand Surgery, 2015, 40, 289-296.	1.6	59
54	Design and Kinematic Evaluation of a Novel Joint-Specific Play Controller: Application for Wrist and Forearm Therapy. Physical Therapy, 2015, 95, 1061-1066.	2.4	6

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55	In vivo recruitment patterns in the anterior oblique and dorsoradial ligaments of the first carpometacarpal joint. Journal of Biomechanics, 2015, 48, 1893-1898.	2.1	30
56	Wrist range of motion and motion frequency during toy and game play with a joint-specific controller specially designed to provide neuromuscular therapy: A proof of concept study in typically developing children. Journal of Biomechanics, 2015, 48, 2844-2848.	2.1	3
57	Biomechanics of head impacts associated with diagnosed concussion in female collegiate ice hockey players. Journal of Biomechanics, 2015, 48, 2201-2204.	2.1	47
58	Older asymptomatic women exhibit patterns of thumb carpometacarpal joint space narrowing that precede changes associated with early osteoarthritis. Journal of Biomechanics, 2015, 48, 3634-3640.	2.1	19
59	Cervical total disc replacement exhibits similar stiffness to intact cervical functional spinal units tested on a dynamic pendulum testing system. Spine Journal, 2015, 15, 162-167.	1.3	5
60	An Experimental and Numerical Investigation of Head Dynamics Due to Stick Impacts in Girlsâ€™ Lacrosse. Annals of Biomedical Engineering, 2014, 42, 2501-2511.	2.5	12
61	Evaluation of Hand Motion Capture Protocol Using Static Computed Tomography Images: Application to an Instrumented Glove. Journal of Biomechanical Engineering, 2014, 136, 124501.	1.3	14
62	Polar Histograms of Curvature for Quantifying Skeletal Joint Shape and Congruence. Journal of Biomechanical Engineering, 2014, 136, 094503.	1.3	14
63	Head-Impact Mechanisms in Men's and Women's Collegiate Ice Hockey. Journal of Athletic Training, 2014, 49, 514-520.	1.8	59
64	The 2014 ABJS Nicolas Andry Award: The Puzzle of the Thumb: Mobility, Stability, and Demands in Opposition. Clinical Orthopaedics and Related Research, 2014, 472, 3605-3622.	1.5	50
65	Is early osteoarthritis associated with differences in joint congruence?. Journal of Biomechanics, 2014, 47, 3787-3793.	2.1	26
66	Can helmet design reduce the risk of concussion in football?. Journal of Neurosurgery, 2014, 120, 919-922.	1.6	118
67	Sports-Specific Issues in Menâ€™s and Womenâ€™s Lacrosse. Current Sports Medicine Reports, 2014, 13, 334-340.	1.2	24
68	Thumb carpometacarpal joint congruence during functional tasks and thumb range-of-motion activities. , 2014, 2014, 4354-7.		8
69	Wrist Kinematic Coupling and Performance During Functional Tasks: Effects of Constrained Motion. Journal of Hand Surgery, 2014, 39, 634-642.e1.	1.6	41
70	The morphology of the thumb carpometacarpal joint does not differ between men and women, but changes with aging and early osteoarthritis. Journal of Biomechanics, 2014, 47, 2709-2714.	2.1	56
71	In Vivo Kinematics of the Thumb Carpometacarpal Joint During Three Isometric Functional Tasks. Clinical Orthopaedics and Related Research, 2014, 472, 1114-1122.	1.5	64
72	Head impact exposure in male and female collegiate ice hockey players. Journal of Biomechanics, 2014, 47, 109-114.	2.1	86

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73	Batting Cage Performance of Wood and Nonwood Youth Baseball Bats. Journal of Applied Biomechanics, 2014, 30, 237-243.	0.8	5
74	Limitations of â€œValidation Study of Helmet-Based Impact Measurement System in Hockeyâ€• Medicine and Science in Sports and Exercise, 2014, 46, 640-641.	0.4	4
75	How Do Sex, Age, and Osteoarthritis Affect Cartilage Thickness at the Thumb Carpometacarpal Joint? Insights from Subject-Specific Cartilage Modeling. Lecture Notes in Computational Vision and Biomechanics, 2014, , 103-111.	0.5	4
76	In Vivo Kinematics of the Scaphoid, Lunate, Capitate, and Third Metacarpal in Extreme Wrist Flexion and Extension. Journal of Hand Surgery, 2013, 38, 278-288.	1.6	64
77	A thumb carpometacarpal joint coordinate system based on articular surface geometry. Journal of Biomechanics, 2013, 46, 1031-1034.	2.1	36
78	Pendulum mass affects the measurement of articular friction coefficient. Journal of Biomechanics, 2013, 46, 615-618.	2.1	8
79	Automatic determination of an anatomical coordinate system for a three-dimensional model of the human patella. Journal of Biomechanics, 2013, 46, 2093-2096.	2.1	17
80	A method for defining carpometacarpal joint kinematics from three-dimensional rotations of the metacarpal bones captured in vivo using computed tomography. Journal of Biomechanics, 2013, 46, 2104-2108.	2.1	28
81	Locking Buttons Increase Fatigue Life of Locking Plates in a Segmental Bone Defect Model. Clinical Orthopaedics and Related Research, 2013, 471, 1039-1044.	1.5	9
82	Kinematic differences between optical motion capture and biplanar videoradiography during a jumpâ€“cut maneuver. Journal of Biomechanics, 2013, 46, 567-573.	2.1	110
83	Head Impact Exposure Sustained by Football Players on Days of Diagnosed Concussion. Medicine and Science in Sports and Exercise, 2013, 45, 737-746.	0.4	140
84	Timing of Concussion Diagnosis Is Related to Head Impact Exposure Prior to Injury. Medicine and Science in Sports and Exercise, 2013, 45, 747-754.	0.4	91
85	Dynamic Biomechanical Examination of the Lumbar Spine with Implanted Total Spinal Segment Replacement (TSSR) Utilizing a Pendulum Testing System. PLoS ONE, 2013, 8, e57412.	2.5	5
86	The thumb carpometacarpal joint: anatomy, hormones, and biomechanics. Instructional Course Lectures, 2013, 62, 165-79.	0.2	36
87	Gender Differences in Head Impacts Sustained by Collegiate Ice Hockey Players. Medicine and Science in Sports and Exercise, 2012, 44, 297-304.	0.4	87
88	A Proposed Method to Reduce Underreporting of Brain Injury in Sports. Clinical Journal of Sport Medicine, 2012, 22, 83-85.	1.8	34
89	Spectrum of acute clinical characteristics of diagnosed concussions in college athletes wearing instrumented helmets. Journal of Neurosurgery, 2012, 117, 1092-1099.	1.6	119
90	Dynamic Biomechanical Examination of the Lumbar Spine With Implanted Total Disc Replacement Using a Pendulum Testing System. Spine, 2012, 37, E1438-E1443.	2.0	9

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91	Quantification of the Ranges of Motion of the CMC Joints of the 4th and 5th Digits of the Human Hand In Vivo Using Computed Tomography. , 2012, , .		1
92	Magnitude of Head Impact Exposures in Individual Collegiate Football Players. Journal of Applied Biomechanics, 2012, 28, 174-183.	0.8	99
93	Examination of cervical spine kinematics in complex, multiplanar motions after anterior cervical discectomy and fusion and total disc replacement. International Journal of Spine Surgery, 2012, 6, 190-194.	1.5	9
94	Elongation of the Dorsal Carpal Ligaments: A Computational Study of In Vivo Carpal Kinematics. Journal of Hand Surgery, 2012, 37, 1393-1399.	1.6	16
95	In Vivo Triquetrum-Hamate Kinematics Through a Simulated Hammering Task Wrist Motion. Journal of Bone and Joint Surgery - Series A, 2012, 94, e85.	3.0	22
96	Cyclic loading increases friction and changes cartilage surface integrity in lubricinâ€mutant mouse knees. Arthritis and Rheumatism, 2012, 64, 465-473.	6.7	32
97	Rotational Head Kinematics in Football Impacts: An Injury Risk Function for Concussion. Annals of Biomedical Engineering, 2012, 40, 1-13.	2.5	350
98	Accuracy of Plain Radiographs Versus 3D Analysis of Ankle Stress Test. Foot and Ankle International, 2011, 32, 994-999.	2.3	29
99	Î¼CT-generated carpal cartilage surfaces: Validation of a technique. Journal of Biomechanics, 2011, 44, 2516-2519.	2.1	8
100	Head impact exposure in collegiate football players. Journal of Biomechanics, 2011, 44, 2673-2678.	2.1	230
101	Let's Get the Head Further Out of the Game. Current Sports Medicine Reports, 2011, 10, 7-9.	1.2	32
102	A comparative study of baseball bat performance. Sports Engineering, 2011, 13, 153-162.	1.1	17
103	In Vivo Biomechanical Measurements of a Football Player's C6 Spine Fracture. New England Journal of Medicine, 2011, 365, 279-281.	27.0	17
104	The Mechanical Axes of the Wrist Are Oriented Obliquely to the Anatomical Axes. Journal of Bone and Joint Surgery - Series A, 2011, 93, 169-177.	3.0	105
105	Static and Dynamic Error of a Biplanar Videoradiography System Using Marker-Based and Markerless Tracking Techniques. Journal of Biomechanical Engineering, 2011, 133, 121002.	1.3	98
106	Frequency and Location of Head Impact Exposures in Individual Collegiate Football Players. Journal of Athletic Training, 2010, 45, 549-559.	1.8	354
107	An Improved Method for Cable Grip Fixation of the Greater Trochanter After Trochanteric Slide Osteotomy. Journal of Arthroplasty, 2010, 25, 319-324.	3.1	13
108	Studying Primate Carpal Kinematics in Three Dimensions Using a Computedâ€Tomographyâ€Based Markerless Registration Method. Anatomical Record, 2010, 293, 692-709.	1.4	28

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109	Xâ€ray reconstruction of moving morphology (XROMM): precision, accuracy and applications in comparative biomechanics research. Journal of Experimental Zoology, 2010, 313A, 262-279.	1.2	310
110	Automatic determination of anatomical coordinate systems for three-dimensional bone models of the isolated human knee. Journal of Biomechanics, 2010, 43, 1623-1626.	2.1	91
111	An Investigation of the NOCSAE Linear Impactor Test Method Based on In Vivo Measures of Head Impact Acceleration in American Football. Journal of Biomechanical Engineering, 2010, 132, 011006.	1.3	45
112	Conformational Changes in the Carpus During Finger Trap Distraction. Journal of Hand Surgery, 2010, 35, 237-244.	1.6	17
113	Carpal and Forearm Kinematics During a Simulated Hammering Task. Journal of Hand Surgery, 2010, 35, 1097-1104.	1.6	49
114	The Advantage of Throwing the First Stone: How Understanding the Evolutionary Demands of Homo sapiens Is Helping Us Understand Carpal Motion. Journal of the American Academy of Orthopaedic Surgeons, The, 2010, 18, 51-58.	2.5	27
115	Development of a kinematic 3D carpal model to analyze in vivo soft-tissue interaction across multiple static postures. , 2009, 2009, 7176-9.		3
116	Comparison of two methods for calculating the frictional properties of articular cartilage using a simple pendulum and intact mouse knee joints. Journal of Biomechanics, 2009, 42, 1996-1999.	2.1	20
117	A Computational Approach to the â€œOptimalâ€•Screw Axis Location and Orientation in the Scaphoid Bone. Journal of Hand Surgery, 2009, 34, 677-684.	1.6	60
118	Computer-Assisted Navigation of Volar Percutaneous Scaphoid Placement. Journal of Hand Surgery, 2009, 34, 1722-1728.	1.6	32
119	Modeling the Lacrosse Stick as a Rigid Body Underestimates Shot Ball Speeds. Journal of Applied Biomechanics, 2009, 25, 184-191.	0.8	11
120	Coefficients of friction, lubricin, and cartilage damage in the anterior cruciate ligamentâ€deficient guinea pig knee. Journal of Orthopaedic Research, 2008, 26, 231-237.	2.3	99
121	Simulated Radioscapholunate Fusion Alters Carpal Kinematics While Preserving Dart-Thrower's Motion. Journal of Hand Surgery, 2008, 33, 503-510.	1.6	57
122	Interfragmentary Motion in Patients With Scaphoid Nonunion. Journal of Hand Surgery, 2008, 33, 1108-1115.	1.6	31
123	Re: Majima et al. Load Transmission Through the Wrist in the Extended Position. J Hand Surg 2008;33A:182â€“188. Journal of Hand Surgery, 2008, 33, 1926.	1.6	0
124	Gender Differences in Capitate Kinematics are Eliminated After Accounting for Variation in Carpal Size. Journal of Biomechanical Engineering, 2008, 130, 041003.	1.3	23
125	A Comparison of the Pressure Exerted on Soft Tissue by 2 Myofascial Rollers. Journal of Sport Rehabilitation, 2008, 17, 432-442.	1.0	118
126	HEAD IMPACT SEVERITY MEASURES FOR EVALUATING MILD TRAUMATIC BRAIN INJURY RISK EXPOSURE. Neurosurgery, 2008, 62, 789-798.	1.1	373

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127	Assuming exponential decay by incorporating viscous damping improves the prediction of the coeffcient of friction in pendulum tests of whole articular joints. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2007, 221, 325-333.	1.8	25
128	Mechanical Properties of Chest Protectors and the Likelihood of Ventricular Fibrillation Due to Commotio Cordis. Journal of Applied Biomechanics, 2007, 23, 282-288.	0.8	10
129	Resorbable Fillers Reduce Stress Risers From Empty Screw Holes. Journal of Trauma, 2007, 63, 647-654.	2.3	19
130	Effects of distal radius malunion on distal radioulnar joint mechanicsâ€"an in vivo study. Journal of Orthopaedic Research, 2007, 25, 547-555.	2.3	70
131	A digital database of wrist bone anatomy and carpal kinematics. Journal of Biomechanics, 2007, 40, 2537-2542.	2.1	57
132	Accuracy of circular contact area measurements with thin-film pressure sensors. Journal of Biomechanics, 2007, 40, 2569-2572.	2.1	78
133	The dynamic flexion/extension properties of the lumbar spine in vitro using a novel pendulum system. Journal of Biomechanics, 2007, 40, 2767-2773.	2.1	19
134	Coordinate systems for the carpal bones of the wrist. Journal of Biomechanics, 2007, 40, 203-209.	2.1	51
135	Quantification of meniscal volume by segmentation of 3 T magnetic resonance images. Journal of Biomechanics, 2007, 40, 2811-2815.	2.1	56
136	Super-resolution registration using tissue-classified distance fields. IEEE Transactions on Medical Imaging, 2006, 25, 177-187.	8.9	46
137	Carpal Kinematics. Hand Clinics, 2006, 22, 413-420.	1.0	15
138	The multidirectional bending properties of the human lumbar intervertebral disc. Spine Journal, 2006, 6, 248-257.	1.3	40
139	The Volar Extension of the Lunate Facet of the Distal Radius: A Quantitative Anatomic Study. Journal of Hand Surgery, 2006, 31, 892-895.	1.6	78
140	In Vivo Elongation of the Palmar and Dorsal Scapholunate Interosseous Ligament. Journal of Hand Surgery, 2006, 31, 1326-1332.	1.6	52
141	The Dart-Throwing Motion of the Wrist: Is It Unique to Humans?. Journal of Hand Surgery, 2006, 31, 1429-1437.	1.6	151
142	Differential expression of type X collagen in a mechanically active 3-D chondrocyte culture system: a quantitative study. Journal of Orthopaedic Surgery and Research, 2006, 1, 15.	2.3	20
143	A Kinematics-Based Method For Generating Cartilage Maps and Deformations in the Multi-Articulating Wrist Joint From CT Images. , 2006, 2006, 2079-82.		17
144	A Kinematics-Based Method For Generating Cartilage Maps and Deformations in the Multi-Articulating Wrist Joint From CT Images. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	1

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145	Analysis of Real-time Head Accelerations in Collegiate Football Players. Clinical Journal of Sport Medicine, 2005, 15, 3-8.	1.8	353
146	Physical and Mechanical Properties of Various Field Lacrosse Balls. Journal of Applied Biomechanics, 2005, 21, 383-393.	0.8	10
147	In Vivo Radiocarpal Kinematics and the Dart ThrowerÊ¼s Motion. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2729-2740.	3.0	188
148	Interpolating Three-Dimensional Kinematic Data Using Quaternion Splines and Hermite Curves. Journal of Biomechanical Engineering, 2005, 127, 311-317.	1.3	26
149	Carpal bone size and scaling in men versus in women. Journal of Hand Surgery, 2005, 30, 35-42.	1.6	59
150	IN VIVO RADIOCARPAL KINEMATICS AND THE DART THROWERÊ¼S MOTION. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2729-2740.	3.0	86
151	Knee Laxity Does Not Vary with the Menstrual Cycle, before or after Exercise. American Journal of Sports Medicine, 2004, 32, 1150-1157.	4.2	56
152	An Algorithm for Estimating Acceleration Magnitude and Impact Location Using Multiple Nonorthogonal Single-Axis Accelerometers. Journal of Biomechanical Engineering, 2004, 126, 849-854.	1.3	150
153	Estimating Joint Contact Areas and Ligament Lengths From Bone Kinematics and Surfaces. IEEE Transactions on Biomedical Engineering, 2004, 51, 790-799.	4.2	74
154	In vivo motion of the scaphotrapezioâ€“trapezoidal (STT) joint. Journal of Biomechanics, 2004, 37, 645-652.	2.1	39
155	Preformed grafts of porcine small intestine submucosa (SIS) for bridging segmental bone defects. Journal of Biomedical Materials Research Part B, 2004, 69A, 259-266.	3.1	30
156	Metacarpophalangeal joint mechanics after 3 different silicone arthroplasties. Journal of Hand Surgery, 2004, 29, 796-803.	1.6	50
157	Physiologic weight-bearing increases new vessel formation during distraction osteogenesis: A micro-tomographic imaging study. Journal of Orthopaedic Research, 2003, 21, 489-496.	2.3	53
158	Segmentation of carpal bones from CT images using skeletally coupled deformable models. Medical Image Analysis, 2003, 7, 21-45.	11.6	109
159	Carpal bone postures and motions are abnormal in both wrists of patients with unilateral scapholunate interosseous ligament tears. Journal of Hand Surgery, 2003, 28, 926-937.	1.6	41
160	Advances in quantitative in vivo imaging. Current Opinion in Orthopaedics, 2003, 14, 351-355.	0.3	1
161	Batting performance of wood and metal baseball bats. Medicine and Science in Sports and Exercise, 2002, 34, 1675-1684.	0.4	37
162	The Reliability of a New Device Designed to Assess Gastrocnemius Contracture. Foot and Ankle International, 2002, 23, 655-660.	2.3	8

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163	Three-dimensional in vivo kinematics of the distal radioulnar joint in malunited distal radius fractures. Journal of Hand Surgery, 2002, 27, 233-242.	1.6	41
164	Strain-rate sensitivity of the rabbit MCL diminishes at traumatic loading rates. Journal of Biomechanics, 2002, 35, 1379-1385.	2.1	39
165	Fitting Manifold Surfaces to Three-Dimensional Point Clouds. Journal of Biomechanical Engineering, 2002, 124, 136-140.	1.3	15
166	Advances in the in vivo measurement of carpal kinematics. Orthopedic Clinics of North America, 2001, 32, 219-231.	1.2	35
167	Mechanical Properties of the Human Cervical Spine as Shown by Three-Dimensional Loadâ€“Displacement Curves. Spine, 2001, 26, 2692-2700.	2.0	423
168	Differences in Batted Ball Speed with Wood and Aluminum Baseball Bats: A Batting Cage Study. Journal of Applied Biomechanics, 2001, 17, 241-252.	0.8	40
169	In vivo kinematic behavior of the radio-capitate joint during wrist flexionâ€“extension and radio-ulnar deviation. Journal of Biomechanics, 2001, 34, 1429-1438.	2.1	100
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