

# Tsuyoshi Murase

## List of Publications by Year in descending order

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Version: 2024-02-01

180  
papers

4,481  
citations

101543

36  
h-index

149698

56  
g-index

182  
all docs

182  
docs citations

182  
times ranked

3115  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Quantitative Analysis of Subchondral Bone Density Around Osteochondritis Dissecans Lesions of the Capitellum. <i>Journal of Hand Surgery</i> , 2022, 47, 790.e1-790.e11.	1.6	0
2	Bone resorption of the greater tuberosity after open reduction and internal fixation of complex proximal humeral fractures: fragment characteristics and intraoperative risk factors. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 1626-1635.	2.6	11
3	Degenerative changes in the elbow joint after radial head excision for fracture: quantitative 3-dimensional analysis of bone density, stress distribution, and bone morphology. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, e199-e211.	2.6	4
4	Three-dimensional evaluations of preoperative planning reproducibility for the osteosynthesis of distal radius fractures. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 131.	2.3	6
5	Computer-Aided Assessment of Displacement and Reduction of Distal Radius Fractures. <i>Diagnostics</i> , 2021, 11, 719.	2.6	3
6	Utility of a 3-dimensionally printed color-coded bone model to visualize impinging osteophytes for arthroscopic debridement arthroplasty in elbow osteoarthritis. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 1152-1158.	2.6	3
7	Comparison of the Orientation Angles of Volar Locking Plate Distal Ulnar Locking Screw for Distal Radius Fractures. <i>Journal of Hand Surgery</i> , 2021, , .	1.6	2
8	2D to 3D reconstruction of distal forearm bone from actual X-ray images of the wrist using convolutional neural networks. <i>Scientific Reports</i> , 2021, 11, 15249.	3.3	18
9	Arthroscopic Debridement of Elbow Osteoarthritis Using CT-Based Computer-Aided Navigation Systems Is Accurate. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1687-e1696.	1.7	3
10	Comparing the locking screw direction of three locking plates for lateral clavicle fractures: a simulation study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 812.	1.9	2
11	Artificial intelligence to diagnosis distal radius fracture using biplane plain X-rays. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 694.	2.3	8
12	Intra-articular corrective osteotomy for intra-articular malunion of distal radius fracture using three-dimensional surgical computer simulation and patient-matched instrument. <i>Journal of Orthopaedic Science</i> , 2020, 25, 847-853.	1.1	2
13	Three-dimensional analysis of displacement characteristics of dorsally angulated intra-articular distal radial fractures. <i>Journal of Hand Surgery: European Volume</i> , 2020, 45, 339-347.	1.0	7
14	Combination of Electrospun Nanofiber Sheet Incorporating Methylcobalamin and PGA-Collagen Tube for Treatment of a Sciatic Nerve Defect in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 245-253.	3.0	15
15	Quantitative Analysis for the Change in Lengths of the Radius and Ulna in Missed Bado Type I Monteggia Fracture. <i>Journal of Pediatric Orthopaedics</i> , 2020, 40, e922-e926.	1.2	6
16	Bone density measurements from CT scans may predict the healing capacity of scaphoid waist fractures. <i>Bone and Joint Journal</i> , 2020, 102-B, 1200-1209.	4.4	5
17	In vivo three-dimensional scapular kinematic alterations after reverse total shoulder arthroplasty. <i>Journal of Orthopaedic Surgery</i> , 2020, 28, 230949902092197.	1.0	3
18	Utility of Distal Forearm DXA as a Screening Tool for Primary Osteoporotic Fragility Fractures of the Distal Radius. <i>JBJS Open Access</i> , 2020, 5, e0036.	1.5	19

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19	Validation of the registration accuracy of navigation-assisted arthroscopic dÃ©bridement for elbow osteoarthritis. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 2400-2408.	2.6	8
20	The morphologicÃ©change of the elbow with flexion contracture in upper obstetric brachial plexus palsy. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 1764-1770.	2.6	1
21	ThreeÃ©Dimensional In Vivo Analysis of Malunited Distal Radius Fractures With Restricted Forearm Rotation. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1881-1891.	2.3	5
22	Analysis of forearm rotational motion using biplane fluoroscopic intensity-based 2DÃ©3D matching. <i>Journal of Biomechanics</i> , 2019, 89, 128-133.	2.1	6
23	Cartilage wear patterns in severe osteoarthritis of the trapeziometacarpal joint: a quantitative analysis. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 1152-1162.	1.3	7
24	A Nanofiber Sheet Incorporating Vitamin B12 Promotes Nerve Regeneration in a Rat Neurotomy Model. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2019, 7, e2538.	0.6	3
25	Three-Dimensional Corrective Osteotomy for Malunited Fractures of the Upper Extremity Using Patient-Matched Instruments. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 710-721.	3.0	26
26	Regional Distribution of Articular Cartilage Thickness in the Elbow Joint. <i>JBJS Open Access</i> , 2019, 4, e0011.	1.5	9
27	Single-plane rotational osteotomy for cubitus varus deformity based on preoperative computer simulation. <i>Journal of Orthopaedic Science</i> , 2019, 24, 945-951.	1.1	7
28	Effects of Weekly Teriparatide Administration for Vertebral Stability and Bony Union in Patients with Acute Osteoporotic Vertebral Fractures. <i>Asian Spine Journal</i> , 2019, 13, 763-771.	2.0	18
29	Three-dimensional analysis of deformities of the radius and ulna in congenital proximal radioulnar synostosis. <i>Journal of Hand Surgery: European Volume</i> , 2018, 43, 739-743.	1.0	15
30	Three-dimensional scapular dyskinesis in hook-plated acromioclavicular dislocation including hook motion. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1117-1124.	2.6	5
31	Three-dimensional kinematics of the lunate, hamate, capitate and triquetrum with type 1 or 2 lunate morphology. <i>Journal of Hand Surgery: European Volume</i> , 2018, 43, 380-386.	1.0	11
32	Rotational Corrective Osteotomy for Malunited Distal Diaphyseal Radius Fractures in Children and Adolescents. <i>Journal of Hand Surgery</i> , 2018, 43, 286.e1-286.e8.	1.6	10
33	Altered bone density and stress distribution patterns in long-standing cubitus varus deformity and their effect during early osteoarthritis of the elbow. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 72-83.	1.3	26
34	InÃ©Vivo 3-Dimensional Kinematics of Thumb Carpometacarpal Joint During Thumb Opposition. <i>Journal of Hand Surgery</i> , 2018, 43, 182.e1-182.e7.	1.6	18
35	Enchondromatosis-associated oligodendroglioma: case report and literature review. <i>Brain Tumor Pathology</i> , 2018, 35, 36-40.	1.7	8
36	In Vivo Three-Dimensional Analysis of Malunited Forearm Diaphyseal Fractures with Forearm Rotational Restriction. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e113.	3.0	14

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37	Combination of an Electrospun Nanofiber Sheet Incorporating Methylcobalamin and a PGA-Collagen Tube Promotes Nerve Regeneration and Functional Recovery in a Rat Sciatic Nerve Defect Model. <i>Journal of Hand Surgery</i> , 2018, 43, S32-S33.	1.6	1
38	Corrective osteotomy for hyperextended elbow with limited flexion due to supracondylar fracture malunion. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1357-1365.	2.6	4
39	Neurotrophin <sup>®</sup> Accelerates the Differentiation of Schwann Cells and Remyelination in a Rat Lysophosphatidylcholine-Induced Demyelination Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 516.	4.1	17
40	Administration of Oxygen Ultra-Fine Bubbles Improves Nerve Dysfunction in a Rat Sciatic Nerve Crush Injury Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1395.	4.1	13
41	Physeal bar resection using a patient-specific guide with intramedullary endoscopic assistance for partial physeal arrest of the distal radius. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2018, 138, 1179-1188.	2.4	6
42	A comparison of corrective osteotomies using dorsal and volar fixation for malunited distal radius fractures. <i>International Orthopaedics</i> , 2018, 42, 2873-2879.	1.9	9
43	Morphology and kinematics studies of the upper extremity and its clinical application in deformity correction. <i>Journal of Orthopaedic Science</i> , 2018, 23, 722-733.	1.1	2
44	In vivo 3-dimensional Kinematics of Cubitus Valgus after Non-united Lateral Humeral Condyle Fracture. <i>Clinics in Shoulder and Elbow</i> , 2018, 21, 151-157.	2.0	1
45	Rotational and Varus Instability in Chronic Lateral Ankle Instability: In Vivo 3D Biomechanical Analysis. <i>Acta Medica Okayama</i> , 2018, 72, 583-589.	0.2	3
46	Prediction of forearm bone shape based on partial least squares regression from partial shape. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1807.	2.3	5
47	Impact of Distal Ulnar Fracture Malunion on Distal Radioulnar Joint Instability: A Biomechanical Study of the Distal Interosseous Membrane Using a Cadaver Model. <i>Journal of Hand Surgery</i> , 2017, 42, e185-e191.	1.6	15
48	Electrospun nanofiber sheets incorporating methylcobalamin promote nerve regeneration and functional recovery in a rat sciatic nerve crush injury model. <i>Acta Biomaterialia</i> , 2017, 53, 250-259.	8.3	68
49	In Vivo Scaphoid Motion During Thumb and Forearm Motion in Casts for Scaphoid Fractures. <i>Journal of Hand Surgery</i> , 2017, 42, 475.e1-475.e7.	1.6	10
50	Validation of patient-specific surgical guides for femoral neck cutting in total hip arthroplasty through the anterolateral approach. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1830.	2.3	10
51	Open Wedge Osteotomy with Ulnar Shortening for Madelung Deformity Using a Computer-Generated Template. <i>Journal of Hand Surgery Asian-Pacific volume</i> , The, 2017, 22, 538-543.	0.4	12
52	Three-dimensional analysis of osteophyte formation on distal radius following scaphoid nonunion. <i>Journal of Orthopaedic Science</i> , 2017, 22, 50-55.	1.1	9
53	In Vivo Analysis of Three-Dimensional Dynamic Scapular Dyskinesia in Scapular or Clavicular Fractures. <i>Acta Medica Okayama</i> , 2017, 71, 151-159.	0.2	3
54	Neurotrophin attenuates local inflammatory response and inhibits demyelination induced by chronic constriction injury of the mouse sciatic nerve. <i>Biologicals</i> , 2016, 44, 206-211.	1.4	19

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55	Corrective osteotomy assisted by computer simulation for a malunited intra-articular fracture of the distal humerus: two case reports. Archives of Orthopaedic and Trauma Surgery, 2016, 136, 1499-1505.	2.4	6
56	Surgical Technique of Corrective Osteotomy for Malunited Distal Radius Fracture Using the Computer-Simulated Patient Matched Instrument. Journal of hand surgery Asian-Pacific volume, The, 2016, 21, 133-139.	0.4	8
57	InÂvivo three-dimensional elbow biomechanics during forearm rotation. Journal of Shoulder and Elbow Surgery, 2016, 25, 112-119.	2.6	21
58	Computer Simulation Surgery for Deformity Correction of the Upper Extremity. , 2016, , 271-291.		0
59	Methylcobalamin promotes the differentiation of Schwann cells and remyelination in lysophosphatidylcholine-induced demyelination of the rat sciatic nerve. Frontiers in Cellular Neuroscience, 2015, 9, 298.	3.7	39
60	3D corrective osteotomy of malunited upper limb fractures. BMC Proceedings, 2015, 9, .	1.6	2
61	Sacroiliac joint motion in patients with degenerative lumbar spine disorders. Journal of Neurosurgery: Spine, 2015, 23, 209-216.	1.7	33
62	Postoperative accuracy analysis of three-dimensional corrective osteotomy for cubitus varus deformity with a custom-made surgical guide based on computer simulation. Journal of Shoulder and Elbow Surgery, 2015, 24, 242-249.	2.6	46
63	3D morphometric analysis of laminae and facet joints in patients with degenerative spondylolisthesis. Modern Rheumatology, 2015, 25, 756-760.	1.8	7
64	Volar morphology of the distal radius in axial planes: A quantitative analysis. Journal of Orthopaedic Research, 2015, 33, 496-503.	2.3	22
65	InÂvivo 3-Dimensional Analysis of Stage III KienbÃ¼ck Disease: Pattern of Carpal Deformity and Radioscaphoid Joint Congruity. Journal of Hand Surgery, 2015, 40, 74-80.	1.6	10
66	Attritional rupture of the extensor pollicis longus tendon by an osseous spur more than 30 years after wrist injury: A case report. Journal of Plastic Surgery and Hand Surgery, 2014, 48, 452-454.	0.8	3
67	Three-Dimensional Analysis of Acromial Morphologic Characteristics in Patients With and Without Rotator Cuff Tears Using a Reconstructed Computed Tomography Model. American Journal of Sports Medicine, 2014, 42, 2621-2626.	4.2	26
68	Free flap transfer for complex regional pain syndrome type II. Case Reports in Plastic Surgery & Hand Surgery, 2014, 1, 1-4.	0.3	1
69	In vivo 3D kinematic changes in the cervical spine after laminoplasty for cervical spondylotic myelopathy. Journal of Neurosurgery: Spine, 2014, 21, 417-424.	1.7	13
70	In vivo 3D kinematics of the upper cervical spine during head rotation in rheumatoid arthritis. Journal of Neurosurgery: Spine, 2014, 20, 404-410.	1.7	9
71	Computer assisted planning and custom-made surgical guide for malunited pronation deformity after first metatarsophalangeal joint arthrodesis in rheumatoid arthritis: A case report. Computer Aided Surgery, 2014, 19, 13-19.	1.8	13
72	Computer-aided parachute guiding system for closed reduction of diaphyseal fractures. International Journal of Medical Robotics and Computer Assisted Surgery, 2014, 10, 325-331.	2.3	5

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73	Three-dimensional corrective osteotomy using a patient-specific osteotomy guide and bone plate based on a computer simulation system: accuracy analysis in a cadaver study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014, 10, 196-202.	2.3	44
74	Use of a Custom-made Surgical Guide in Total Ankle Arthroplasty in Rheumatoid Arthritis Cases. <i>Techniques in Orthopaedics</i> , 2014, 29, 103-112.	0.2	5
75	Three-Dimensional Corrective Osteotomy for Cubitus Varus Deformity with Use of Custom-Made Surgical Guides. <i>JBJS Essential Surgical Techniques</i> , 2014, 4, e6.	0.8	9
76	A comparison of 3-D computed tomography versus 2-D radiography measurements of ulnar variance and ulnolunate distance during forearm rotation. <i>Journal of Hand Surgery: European Volume</i> , 2014, 39, 526-532.	1.0	16
77	Median nerve neuropathy in the forearm due to recurrence of anterior wrist ganglion that originates from the scaphotrapezial joint: Case Report. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014, 07, e22-e25.	1.0	5
78	Three-dimensional suitability assessment of three types of osteochondral autograft for ulnar coronoid process reconstruction. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 143-150.	2.6	29
79	Kinematics of the thoracic spine in trunk lateral bending: in vivo three-dimensional analysis. <i>Spine Journal</i> , 2014, 14, 1991-1999.	1.3	31
80	Radiofrequency ablation for treatment for osteoid osteoma of the scapula using a new three-dimensional fluoroscopic navigation system. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014, 24, 231-235.	1.4	10
81	Morphological evaluation of the distal interosseous membrane using ultrasound. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2014, 24, 1095-1100.	1.4	20
82	Validation of patient specific surgical guides in total hip arthroplasty. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014, 10, 113-120.	2.3	16
83	Arthroscopic debridement in the treatment of patients with osteoarthritis of the elbow, based on computer simulation. <i>Bone and Joint Journal</i> , 2014, 96-B, 237-241.	4.4	24
84	Three-dimensional in vivo kinematics during elbow flexion in patients with lateral humeral condyle nonunion by an image-matching technique. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 318-326.	2.6	9
85	The association between cubital tunnel morphology and ulnar neuropathy in patients with elbow osteoarthritis. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 938-945.	2.6	25
86	Methylcobalamin promotes proliferation and migration and inhibits apoptosis of C2C12 cells via the Erk1/2 signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 871-875.	2.1	12
87	Does cubitus varus cause morphologic and alignment changes in the elbow joint?. <i>Journal of Shoulder and Elbow Surgery</i> , 2013, 22, 915-923.	2.6	25
88	Cylindrical Corrective Osteotomy for Madelung Deformity Using a Computer Simulation: Case Report. <i>Journal of Hand Surgery</i> , 2013, 38, 1925-1932.	1.6	28
89	In Vivo 3-Dimensional Analysis of Dorsal Intercalated Segment Instability Deformity Secondary to Scapholunate Dissociation: A Preliminary Report. <i>Journal of Hand Surgery</i> , 2013, 38, 1346-1355.	1.6	22
90	Kinematic Changes in Elbow Osteoarthritis: In Vivo and 3-Dimensional Analysis Using Computed Tomographic Data. <i>Journal of Hand Surgery</i> , 2013, 38, 957-964.	1.6	14

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91	3-Dimensional Deformity Analysis of Malunited Forearm Diaphyseal Fractures. <i>Journal of Hand Surgery</i> , 2013, 38, 1356-1365.	1.6	20
92	3-Dimensional Prebent Plate Fixation in Corrective Osteotomy of Malunited Upper Extremity Fractures Using a Real-Sized Plastic Bone Model Prepared by Preoperative Computer Simulation. <i>Journal of Hand Surgery</i> , 2013, 38, 909-919.	1.6	53
93	Preoperative, Computer Simulation-Based, Three-Dimensional Corrective Osteotomy for Cubitus Varus Deformity with Use of a Custom-Designed Surgical Device. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, e173.	3.0	78
94	Changes in length of the radioulnar ligament and distal oblique bundle after Colles' fracture. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2013, 47, 409-414.	0.8	8
95	Comparison of three dimensional and radiographic measurements in the analysis of distal radius malunion. <i>Journal of Hand Surgery: European Volume</i> , 2013, 38, 133-143.	1.0	32
96	Validation of the femoral component placement during hip resurfacing: a comparison between the conventional jig, patient-specific template, and CT-based navigation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2013, 9, 223-229.	2.3	21
97	In vivo three-dimensional motion analysis of osteoarthritic knees. <i>Modern Rheumatology</i> , 2013, 23, 646-652.	1.8	21
98	In-vivo biomechanical analysis of osteochondritis dissecans of the humeral trochlea. <i>Journal of Pediatric Orthopaedics Part B</i> , 2013, 22, 392-396.	0.6	6
99	In vivo three-dimensional motion analysis of osteoarthritic knees. <i>Modern Rheumatology</i> , 2013, 23, 646-652.	1.8	9
100	SYNOVIAL CHONDROMATOSIS OF THE METACARPOPHALANGEAL JOINT: A CASE REPORT AND LITERATURE REVIEW. <i>Hand Surgery</i> , 2012, 17, 395-398.	0.6	6
101	Three-dimensional motion of the uncovertebral joint during head rotation. <i>Journal of Neurosurgery: Spine</i> , 2012, 17, 327-333.	1.7	10
102	Design of super-elastic biodegradable scaffolds with longitudinally oriented microchannels and optimization of the channel size for Schwann cell migration. <i>Science and Technology of Advanced Materials</i> , 2012, 13, 064207.	6.1	17
103	Three-dimensional deformity analysis of malunited distal radius fractures and their influence on wrist and forearm motion. <i>Journal of Hand Surgery: European Volume</i> , 2012, 37, 506-512.	1.0	27
104	Three-Dimensional Corrective Osteotomy for Malunited Diaphyseal Forearm Fractures Using Custom-Made Surgical Guides Based on Computer Simulation. <i>JBJS Essential Surgical Techniques</i> , 2012, 2, e24.	0.8	7
105	Kinematics of the Thoracic Spine in Trunk Rotation. <i>Spine</i> , 2012, 37, E1318-E1328.	2.0	38
106	Computer-Assisted Corrective Osteotomy for Malunited Diaphyseal Forearm Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, e150.	3.0	89
107	Three-dimensional analysis of acute plastic bowing deformity of ulna in radial head dislocation or radial shaft fracture using a computerized simulation system. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1644-1650.	2.6	24
108	Corrective osteotomy for malunited both bones fractures of the forearm with radial head dislocations using a custom-made surgical guide: two case reports. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, e1-e8.	2.6	27



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109	Corticoplasty for Improved Appearance of Hands With Ollier Disease. <i>Journal of Hand Surgery</i> , 2012, 37, 2294-2299.	1.6	6
110	Open Reduction and 3-Dimensional Ulnar Osteotomy for Chronic Radial Head Dislocation Using a Computer-Generated Template: Case Report. <i>Journal of Hand Surgery</i> , 2012, 37, 517-522.	1.6	16
111	Corrective Osteotomy and Ligament Repair for Longstanding Radial Collateral Ligament Tear of the Proximal Interphalangeal Joint: Case Series. <i>Journal of Hand Surgery</i> , 2012, 37, 440-445.	1.6	6
112	Ulnar Variance: Its Relationship to Ulnar Foveal Morphology and Forearm Kinematics. <i>Journal of Hand Surgery</i> , 2012, 37, 729-735.	1.6	15
113	In Vivo and 3-dimensional functional anatomy of the anterior bundle of the medial collateral ligament of the elbow. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 1006-1012.	2.6	29
114	In Vivo Three-dimensional Motion Analysis of Chronic Radial Head Dislocations. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 2746-2755.	1.5	18
115	Akt/mammalian target of rapamycin signaling pathway regulates neurite outgrowth in cerebellar granule neurons stimulated by methylcobalamin. <i>Neuroscience Letters</i> , 2011, 495, 201-204.	2.1	32
116	Three-dimensional analysis of cubitus varus deformity after supracondylar fractures of the humerus. <i>Journal of Shoulder and Elbow Surgery</i> , 2011, 20, 440-448.	2.6	60
117	Accuracy of corrective osteotomy using a custom-designed device based on a novel computer simulation system. <i>Journal of Orthopaedic Science</i> , 2011, 16, 85-92.	1.1	48
118	Radiographic study on the pattern of wrist joint destruction in rheumatoid arthritis. <i>Clinical Rheumatology</i> , 2011, 30, 353-359.	2.2	6
119	Distal Radius Osteotomy with Volar Locking Plates Based on Computer Simulation. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 1766-1773.	1.5	95
120	USE OF THE VOLAR FIXED ANGLE PLATE FOR COMMUNUTED DISTAL RADIUS FRACTURES AND AUGMENTATION WITH A HYDROXYAPATITE BONE GRAFT SUBSTITUTE. <i>Hand Surgery</i> , 2011, 16, 29-37.	0.6	13
121	Changes in Shape and Length of the Collateral and Accessory Collateral Ligaments of the Metacarpophalangeal Joint During Flexion. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 1318-1325.	3.0	24
122	Morphometric Analysis of the Femur in Cerebral Palsy. <i>Journal of Pediatric Orthopaedics</i> , 2010, 30, 568-574.	1.2	34
123	In vivo three-dimensional kinematics of total elbow arthroplasty using fluoroscopic imaging. <i>International Orthopaedics</i> , 2010, 34, 847-854.	1.9	16
124	Morphologic Evaluation of Chronic Radial Head Dislocation: Three-dimensional and Quantitative Analyses. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 2410-2418.	1.5	36
125	Three-dimensional distribution of articular cartilage thickness in the elderly cadaveric acetabulum: a new method using three-dimensional digitizer and CT. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 795-802.	1.3	20
126	Corrective osteotomy using customized hydroxyapatite implants prepared by preoperative computer simulation. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2010, 6, 186-193.	2.3	40



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127	THE DORSAL CUTANEOUS BRANCH OF THE ULNAR NERVE: AN ANATOMICAL STUDY. <i>Hand Surgery</i> , 2010, 15, 165-168.	0.6	27
128	Open Repair of Foveal Avulsion of the Triangular Fibrocartilage Complex and Comparison by Types of Injury Mechanism. <i>Journal of Hand Surgery</i> , 2010, 35, 1955-1963.	1.6	74
129	Methylcobalamin increases Erk1/2 and Akt activities through the methylation cycle and promotes nerve regeneration in a rat sciatic nerve injury model. <i>Experimental Neurology</i> , 2010, 222, 191-203.	4.1	130
130	Interconnected porous hydroxyapatite ceramics for bone tissue engineering. <i>Journal of the Royal Society Interface</i> , 2009, 6, S341-8.	3.4	163
131	Intra-articular distal ulnar fractures associated with distal radial fractures in older adults: early experience in fixation of the radius and leaving the ulna unfixed. <i>Journal of Hand Surgery: European Volume</i> , 2009, 34, 592-597.	1.0	22
132	Three-Dimensional Kinematics of the Rheumatoid Wrist After Partial Arthrodesis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 2180-2187.	3.0	21
133	Giant aneurysm of the ulnar artery in the palm treated by resection and microvascular reconstruction. <i>Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery</i> , 2009, 43, 113-116.	0.6	2
134	Correction of severe wrist deformity following physeal arrest of the distal radius with the aid of a three-dimensional computer simulation. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2009, 129, 1465-1471.	2.4	18
135	Tailor-made surgical guide based on rapid prototyping technique for cup insertion in total hip arthroplasty. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2009, 5, 164-169.	2.3	31
136	Accuracy analysis of three-dimensional bone surface models of the forearm constructed from multidetector computed tomography data. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2009, 5, 452-457.	2.3	85
137	Morphologic analysis of the medullary canal in rheumatoid elbows. <i>Journal of Shoulder and Elbow Surgery</i> , 2009, 18, 33-37.	2.6	7
138	Interosseous Membrane of the Forearm: An Anatomical Study of Ligament Attachment Locations. <i>Journal of Hand Surgery</i> , 2009, 34, 415-422.	1.6	163
139	Interosseous Membrane of the Forearm: Length Change of Ligaments During Forearm Rotation. <i>Journal of Hand Surgery</i> , 2009, 34, 685-691.	1.6	91
140	Morphometric Analysis of Acetabular Dysplasia in Cerebral Palsy: Three-dimensional CT Study. <i>Journal of Pediatric Orthopaedics</i> , 2009, 29, 896-902.	1.2	22
141	Treatment of juxta-articular intraosseous cystic lesions in rheumatoid arthritis patients with interconnected porous calcium hydroxyapatite ceramic. <i>Modern Rheumatology</i> , 2009, 19, 180-186.	1.8	5
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