Hiroyuki Tanaka

List of Publications by Year in descending order

39 papers	1,037 citations	516710 16 h-index	434195 31 g-index
40 all docs	40 docs citations	40 times ranked	1399 citing authors

#	Article	IF	Citations
1	Cytoplasmic p21Cip1/WAF1 regulates neurite remodeling by inhibiting Rho-kinase activity. Journal of Cell Biology, 2002, 158, 321-329.	5.2	147
2	Methylcobalamin increases Erk1/2 and Akt activities through the methylation cycle and promotes nerve regeneration in a rat sciatic nerve injury model. Experimental Neurology, 2010, 222, 191-203.	4.1	130
3	Relationship Between the Fracture Location and the Kinematic Pattern in Scaphoid Nonunion. Journal of Hand Surgery, 2008, 33, 1459-1468.	1.6	68
4	Electrospun nanofiber sheets incorporating methylcobalamin promote nerve regeneration and functional recovery in a rat sciatic nerve crush injury model. Acta Biomaterialia, 2017, 53, 250-259.	8.3	68
5	Interleukin-1 beta promotes sensory nerve regeneration after sciatic nerve injury. Neuroscience Letters, 2008, 440, 130-133.	2.1	58
6	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. Journal of Hand Surgery, 2013, 38, 909-919.	1.6	53
7	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
8	IL-1Î² promotes neurite outgrowth by deactivating RhoA via p38 MAPK pathway. Biochemical and Biophysical Research Communications, 2008, 365, 375-380.	2.1	44
9	Threeâ€dimensional corrective osteotomy using a patientâ€specific osteotomy guide and bone plate based on a computer simulation system: accuracy analysis in a cadaver study. International Journal of Medical Robotics and Computer Assisted Surgery, 2014, 10, 196-202.	2.3	44
10	Clinical Cell Therapy Guidelines for Neurorestoration (IANR/CANR 2017). Cell Transplantation, 2018, 27, 310-324.	2.5	40
11	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
12	Akt/mammalian target of rapamycin signaling pathway regulates neurite outgrowth in cerebellar granule neurons stimulated by methylcobalamin. Neuroscience Letters, 2011, 495, 201-204.	2.1	32
13	Altered bone density and stress distribution patterns in long-standing cubitus varus deformity and their effect during early osteoarthritis of the elbow. Osteoarthritis and Cartilage, 2018, 26, 72-83.	1.3	26
14	Three-Dimensional Corrective Osteotomy for Malunited Fractures of the Upper Extremity Using Patient-Matched Instruments. Journal of Bone and Joint Surgery - Series A, 2019, 101, 710-721.	3.0	26
15	Neurotropin attenuates local inflammatory response and inhibits demyelination induced by chronic constriction injury of the mouse sciatic nerve. Biologicals, 2016, 44, 206-211.	1.4	19
16	Utility of Distal Forearm DXA as a Screening Tool for Primary Osteoporotic Fragility Fractures of the Distal Radius. JBJS Open Access, 2020, 5, e0036.	1.5	19
17	InÂVivo 3-Dimensional Kinematics of Thumb Carpometacarpal Joint During Thumb Opposition. Journal of Hand Surgery, 2018, 43, 182.e1-182.e7.	1.6	18
18	NeurotropinÂ® Accelerates the Differentiation of Schwann Cells and Remyelination in a Rat Lysophosphatidylcholine-Induced Demyelination Model. International Journal of Molecular Sciences, 2018, 19, 516.	4.1	17

#	Article	IF	Citations
19	Combination of Electrospun Nanofiber Sheet Incorporating Methylcobalamin and PGA-Collagen Tube for Treatment of a Sciatic Nerve Defect in a Rat Model. Journal of Bone and Joint Surgery - Series A, 2020, 102, 245-253.	3.0	15
20	In Vivo Three-Dimensional Analysis of Malunited Forearm Diaphyseal Fractures with Forearm Rotational Restriction. Journal of Bone and Joint Surgery - Series A, 2018, 100, e113.	3.0	14
21	Administration of Oxygen Ultra-Fine Bubbles Improves Nerve Dysfunction in a Rat Sciatic Nerve Crush Injury Model. International Journal of Molecular Sciences, 2018, 19, 1395.	4.1	13
22	Methylcobalamin promotes proliferation and migration and inhibits apoptosis of C2C12 cells via the Erk1/2 signaling pathway. Biochemical and Biophysical Research Communications, 2014, 443, 871-875.	2.1	12
23	InÂVivo Scaphoid Motion During Thumb and Forearm Motion in Casts for Scaphoid Fractures. Journal of Hand Surgery, 2017, 42, 475.e1-475.e7.	1.6	10
24	A comparison of corrective osteotomies using dorsal and volar fixation for malunited distal radius fractures. International Orthopaedics, 2018, 42, 2873-2879.	1.9	9
25	Regional Distribution of Articular Cartilage Thickness in the Elbow Joint. JBJS Open Access, 2019, 4, e0011.	1.5	9
26	Validation of the registration accuracy of navigation-assisted arthroscopic dÃ©bridement for elbow osteoarthritis. Journal of Shoulder and Elbow Surgery, 2019, 28, 2400-2408.	2.6	8
27	Artificial intelligence to diagnosis distal radius fracture using biplane plain X-rays. Journal of Orthopaedic Surgery and Research, 2021, 16, 694.	2.3	8
28	Single-plane rotational osteotomy for cubitus varus deformity based on preoperative computer simulation. Journal of Orthopaedic Science, 2019, 24, 945-951.	1.1	7
29	Physeal bar resection using a patient-specific guide with intramedullary endoscopic assistance for partial physeal arrest of the distal radius. Archives of Orthopaedic and Trauma Surgery, 2018, 138, 1179-1188.	2.4	6
30	Quantitative Analysis for the Change in Lengths of the Radius and Ulna in Missed Bado Type I Monteggia Fracture. Journal of Pediatric Orthopaedics, 2020, 40, e922-e926.	1.2	6
31	Cartilage and subchondral bone distributions of the distal radius: a 3-dimensional analysis using cadavers. Osteoarthritis and Cartilage, 2020, 28, 1572-1580.	1.3	6
32	Threeâ€Ðimensional In Vivo Analysis of Malunited Distal Radius Fractures With Restricted Forearm Rotation. Journal of Orthopaedic Research, 2019, 37, 1881-1891.	2.3	5
33	A Nanofiber Sheet Incorporating Vitamin B12 Promotes Nerve Regeneration in a Rat Neurorrhaphy Model. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2538.	0.6	3
34	Utility of a 3-dimensionally printed color-coded bone model to visualize impinging osteophytes for arthroscopic dÃ©bridement arthroplasty in elbow osteoarthritis. Journal of Shoulder and Elbow Surgery, 2021, 30, 1152-1158.	2.6	3
35	Arthroscopic Debridement of Elbow Osteoarthritis Using CT-Based Computer-Aided Navigation Systems Is Accurate. Arthroscopy, Sports Medicine, and Rehabilitation, 2021, 3, e1687-e1696.	1.7	3
36	Mycobacterium kansasii arthritis of the elbow in an immunocompetent patient with a suspected soft-tissue tumor. Journal of Infection and Chemotherapy, 2020, 26, 261-264.	1.7	2

#	Article	IF	Citations
37	Intra-articular corrective osteotomy for intra-articular malunion of distal radius fracture using three-dimensional surgical computer simulation and patient-matched instrument. Journal of Orthopaedic Science, 2020, 25, 847-853.	1.1	2
38	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. Journal of Hand Surgery, 2018, 43, S32-S33.	1.6	1
39	The morphologicÂchange of the elbow with flexion contracture in upper obstetric brachial plexus palsy. Journal of Shoulder and Elbow Surgery, 2019, 28, 1764-1770.	2.6	1