

Masahiro Tsuchiya

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

1,915
citations

304602

22
h-index

345118

36
g-index

119
all docs

119
docs citations

119
times ranked

2269
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective association between maternal bonding disorders and child toothbrushing frequency: A cross-sectional study of the Japan Environment and Children's Study. <i>International Journal of Paediatric Dentistry</i> , 2022, 32, 56-65.	1.0	2
2	Influence of maternal postpartum depression on children's toothbrushing frequency. <i>Community Dentistry and Oral Epidemiology</i> , 2022, 50, 300-310.	0.9	3
3	The 5-Year Course of Neck Pain Among Natural Disaster Survivors: The Association of Prior Neck Pain with New Episodes of Neck Pain. <i>Pain Medicine</i> , 2022, 23, 635-641.	0.9	2
4	Feeder-supported in vitro exercise model using human satellite cells from patients with sporadic inclusion body myositis. <i>Scientific Reports</i> , 2022, 12, 1082.	1.6	5
5	Factors Associated with Thickening of the Ligamentum Flavum on Magnetic Resonance Imaging in Patients with Lumbar Spinal Canal Stenosis. <i>Spine</i> , 2022, 47, 1036-1041.	1.0	8
6	Neurodevelopmental trajectories in children with cleft lip and palate: A longitudinal study based on the Japan Environment and Children's Study. <i>European Journal of Oral Sciences</i> , 2022, 130, e12857.	0.7	2
7	Tissue accumulation of neutrophil extracellular traps mediates muscle hyperalgesia in a mouse model. <i>Scientific Reports</i> , 2022, 12, 4136.	1.6	6
8	Association between Prior and Later Occurrence of Shoulder Pain Episodes: A 5-Year Longitudinal Study after the Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , 2022, , .	0.5	0
9	Sleep disturbance is associated with neck pain: a 3-year longitudinal study after the Great East Japan Earthquake. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 459.	0.8	0
10	Imaging of muscle activity-induced morphometric changes in fibril network of myofascia by two-photon microscopy. <i>Journal of Anatomy</i> , 2021, 238, 515-526.	0.9	3
11	Characteristics of Parents Who Feel a Lack of Communication with Coaches of Youth Sports. <i>Tohoku Journal of Experimental Medicine</i> , 2021, 253, 191-198.	0.5	4
12	Low Back Pain in Young Sports Players. <i>Spine</i> , 2021, 46, 1154-1159.	1.0	2
13	Association of musculoskeletal pain in other body parts with new-onset shoulder pain: a longitudinal study among survivors of the Great East Japan Earthquake. <i>BMJ Open</i> , 2021, 11, e041804.	0.8	1
14	Association Between Sleep Disturbance and Low Back Pain. <i>Spine</i> , 2021, Publish Ahead of Print, .	1.0	7
15	A 5-year Longitudinal Study of Low Back Pain in Survivors of the Great East Japan Earthquake. <i>Spine</i> , 2021, 46, 695-701.	1.0	6
16	Restriction in the hip internal rotation of the stride leg is associated with elbow and shoulder pain in elite young baseball players. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 139-145.	1.2	25
17	Exercise-evoked intramuscular neutrophil-endothelial interactions support muscle performance and GLUT4 translocation: a mouse gnawing model study. <i>Journal of Physiology</i> , 2020, 598, 101-122.	1.3	7
18	High prevalence of low back pain among young basketball players with lower extremity pain: a cross-sectional study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 40.	0.7	10

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19	Joint hemorrhage accelerates cartilage degeneration in a rat immobilized knee model. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 761.	0.8	8
20	Association between lower back pain and lower extremity pain among young volleyball players: A cross-sectional study. <i>Physical Therapy in Sport</i> , 2020, 43, 65-69.	0.8	6
21	Upper Extremity Pain Is Associated with Lower Back Pain among Young Basketball Players: A Cross-Sectional Study. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 250, 79-85.	0.5	14
22	RAGE-dependent NF- κ B inflammation processes in the capsule of frozen shoulders. <i>Journal of Shoulder and Elbow Surgery</i> , 2020, 29, 1884-1891.	1.2	20
23	Musculoskeletal pain in other body sites is associated with new-onset low back pain: a longitudinal study among survivors of the great East Japan earthquake. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 227.	0.8	10
24	Preceding Poor Physical Function Is Associated with New-Onset Musculoskeletal Pain among Older Natural Disaster Survivors: A Longitudinal Study after the Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 251, 19-26.	0.5	3
25	Low Back Pain in School-Aged Martial Arts Athletes in Japan: A Comparison among Judo, Kendo, and Karate. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 251, 295-301.	0.5	9
26	Involvement of the Hippocampal Alpha2A-Adrenoceptors in Anxiety-Related Behaviors Elicited by Intermittent REM Sleep Deprivation-Induced Stress in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1226-1234.	0.6	5
27	Musculoskeletal Pain is Associated With New-Onset Psychological Distress in Survivors of the Great East Japan Earthquake. <i>Disaster Medicine and Public Health Preparedness</i> , 2019, 13, 295-300.	0.7	13
28	In vitro exercise model using contractile human and mouse hybrid myotubes. <i>Scientific Reports</i> , 2019, 9, 11914.	1.6	25
29	Musculoskeletal pain and new-onset poor physical function in elderly survivors of a natural disaster: a longitudinal study after the great East Japan earthquake. <i>BMC Geriatrics</i> , 2019, 19, 274.	1.1	10
30	Verbal Abuse from Coaches Is Associated with Loss of Motivation for the Present Sport in Young Athletes: A Cross-Sectional Study in Miyagi Prefecture. <i>Tohoku Journal of Experimental Medicine</i> , 2019, 248, 107-113.	0.5	7
31	The characteristics of coaches that verbally and physically abuse young baseball players using a self-reported questionnaire. <i>Journal of Orthopaedic Science</i> , 2019, 24, 361-367.	0.5	3
32	Involvement of inflammasome activation via elevation of uric acid level in nociception in a mouse model of muscle pain. <i>Molecular Pain</i> , 2019, 15, 174480691985879.	1.0	6
33	Association between continued residence in temporary prefabricated housing and musculoskeletal pain in survivors of the Great East Japan Earthquake: a longitudinal study. <i>BMJ Open</i> , 2019, 9, e030761.	0.8	6
34	Parents' Own Experience of Verbal Abuse Is Associated with their Acceptance of Abuse towards Children from Youth Sports Coaches. <i>Tohoku Journal of Experimental Medicine</i> , 2019, 249, 249-254.	0.5	9
35	Association of cleft lip and palate on mother-to-infant bonding: a cross-sectional study in the Japan Environment and Children's Study (JECS). <i>BMC Pediatrics</i> , 2019, 19, 505.	0.7	12
36	Knee pain is associated with lower back pain in young baseball players: a cross-sectional study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 985-990.	2.3	16

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37	Involvement of catecholaminergic and GABAergic mediations in the anxiety-related behavior in long-term powdered diet-fed mice. <i>Neurochemistry International</i> , 2019, 124, 1-9.	1.9	5
38	High prevalence of toothache among Great East Japan Earthquake survivors living in temporary housing. <i>Community Dentistry and Oral Epidemiology</i> , 2019, 47, 119-126.	0.9	7
39	Involvement of peripheral alpha2A adrenoceptor in the acceleration of gastrointestinal transit and abdominal visceral pain induced by intermittent deprivation of REM sleep. <i>Physiology and Behavior</i> , 2018, 186, 52-61.	1.0	7
40	Involvement of neutrophils and interleukin-18 in nociception in a mouse model of muscle pain. <i>Molecular Pain</i> , 2018, 14, 174480691875728.	1.0	21
41	Excessive game playing is associated with musculoskeletal pain among youth athletes: a cross-sectional study in Miyagi prefecture. <i>Journal of Sports Sciences</i> , 2018, 36, 1801-1807.	1.0	7
42	Association between sleep disturbance and new-onset subjective knee pain in Great East Japan Earthquake survivors: A prospective cohort study in the Miyagi prefecture. <i>Journal of Orthopaedic Science</i> , 2018, 23, 334-340.	0.5	10
43	Effects of Low-Intensity Pulsed Ultrasound for Preventing Joint Stiffness in Immobilized Knee Model in Rats. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 1244-1256.	0.7	13
44	Youth baseball players with elbow and shoulder pain have both low back and knee pain: a cross-sectional study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 1927-1935.	2.3	30
45	Late bedtimes, short sleeping time, and longtime video-game playing are associated with low back pain in school-aged athletes. <i>European Spine Journal</i> , 2018, 27, 1112-1118.	1.0	21
46	Sleep Disturbance Is Associated with New Onset and Continuation of Lower Back Pain: A Longitudinal Study among Survivors of the Great East Japan Earthquake. <i>Tohoku Journal of Experimental Medicine</i> , 2018, 246, 9-14.	0.5	18
47	Retained Myogenic Potency of Human Satellite Cells from Torn Rotator Cuff Muscles Despite Fatty Infiltration. <i>Tohoku Journal of Experimental Medicine</i> , 2018, 244, 15-24.	0.5	9
48	Higher Incidence of Sleep Disturbance among Survivors with Musculoskeletal Pain after the Great East Japan Earthquake: A Prospective Study. <i>Tohoku Journal of Experimental Medicine</i> , 2018, 244, 25-32.	0.5	18
49	Roles of IL-1 β /I β 2 in regeneration of cardiotoxin-injured muscle and satellite cell function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R90-R103.	0.9	26
50	Comparative proteome analysis of the capsule from patients with frozen shoulder. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1770-1778.	1.2	18
51	Neutrophils Provide a Favorable IL-1-Mediated Immunometabolic Niche that Primes GLUT4 Translocation and Performance in Skeletal Muscles. <i>Cell Reports</i> , 2018, 23, 2354-2364.	2.9	23
52	Playing video games for more than 3 hours a day is associated with shoulder and elbow pain in elite young male baseball players. <i>Journal of Shoulder and Elbow Surgery</i> , 2018, 27, 1629-1635.	1.2	8
53	Association between trunk pain and lower extremity pain among youth soccer players: a cross-sectional study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2018, 10, 13.	0.7	7
54	The Characteristics of Coaches that Verbally or Physically Abuse Young Athletes. <i>Tohoku Journal of Experimental Medicine</i> , 2018, 244, 297-304.	0.5	11

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55	Influence of living environment and subjective economic hardship on new-onset of low back pain for survivors of the Great East Japan Earthquake. <i>Journal of Orthopaedic Science</i> , 2017, 22, 43-49.	0.5	19
56	Living status, economic hardship and sleep disturbance were associated with subjective shoulder pain in survivors of the Great East Japan Earthquake: A cross sectional study. <i>Journal of Orthopaedic Science</i> , 2017, 22, 442-446.	0.5	13
57	Transfer of the bone morphogenetic protein 4 gene into rat periodontal ligament by in vivo electroporation. <i>Archives of Oral Biology</i> , 2017, 74, 123-132.	0.8	7
58	Coexistence of Trunk or Lower Extremity Pain with Elbow and/or Shoulder Pain among Young Overhead Athletes: A Cross-Sectional Study. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 243, 173-178.	0.5	26
59	Inflammatory Effects of Nitrogen-Containing Bisphosphonates (N-BPs): Modulation by Non-N-BPs. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 25-33.	0.6	14
60	Induction of the Histamine-Forming Enzyme Histidine Decarboxylase in Skeletal Muscles by Prolonged Muscular Work: Histological Demonstration and Mediation by Cytokines. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 1326-1330.	0.6	4
61	Association Between Sleep Disturbance and New-onset Subjective Shoulder Pain in Survivors of the Great East Japan Earthquake: A Prospective Cohort Study in Miyagi Prefecture. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 242, 193-201.	0.5	20
62	Factors associated with sports-related dental injuries among young athletes: a cross-sectional study in Miyagi prefecture. <i>BMC Oral Health</i> , 2017, 17, 168.	0.8	16
63	Excessive Game Playing Is Associated with Poor Toothbrushing Behavior among Athletic Children: A Cross-Sectional Study in Miyagi, Japan. <i>Tohoku Journal of Experimental Medicine</i> , 2017, 241, 131-138.	0.5	14
64	Wnt3a signaling induces murine dental follicle cells to differentiate into cementoblastic/osteoblastic cells via an osterix-dependent pathway. <i>Journal of Periodontal Research</i> , 2016, 51, 164-174.	1.4	59
65	Decreased elastic fibers and increased proteoglycans in the ligamentum flavum of patients with lumbar spinal canal stenosis. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1241-1247.	1.2	24
66	A Strategy against the Osteonecrosis of the Jaw Associated with Nitrogen-Containing Bisphosphonates (N-BPs): Attempts to Replace N-BPs with the Non-N-BP Etidronate. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1549-1554.	0.6	13
67	Effects of methylphenidate on the impairment of spontaneous alternation behavior in mice intermittently deprived of REM sleep. <i>Neurochemistry International</i> , 2016, 100, 128-137.	1.9	8
68	Analgesic Effects of 1st Generation Anti-histamines in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 620-624.	0.6	4
69	Phosphonocarboxylates Can Protect Mice against the Inflammatory and Necrotic Side Effects of Nitrogen-Containing Bisphosphonates by Inhibiting Their Entry into Cells <i>via</i> Phosphate Transporters. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 712-720.	0.6	9
70	The Bisphosphonates Clodronate and Etidronate Exert Analgesic Effects by Acting on Glutamate- and/or ATP-Related Pain Transmission Pathways. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 770-777.	0.6	26
71	Influence of living environments and working status on low back pain for survivors of the Great East Japan Earthquake. <i>Journal of Orthopaedic Science</i> , 2016, 21, 138-142.	0.5	19
72	Periodontal Disease Is Associated with Insomnia among Victims of the Great East Japan Earthquake: A Panel Study Initiated Three Months after the Disaster. <i>Tohoku Journal of Experimental Medicine</i> , 2015, 237, 83-90.	0.5	20

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73	Expression of umami-taste-related genes in the tongue: a pilot study for genetic taste diagnosis. <i>Oral Diseases</i> , 2015, 21, 801-806.	1.5	5
74	Involvement of peripheral artemin signaling in tongue pain. <i>Pain</i> , 2015, 156, 2528-2537.	2.0	32
75	Involvement of IL-1 in the Maintenance of Masseter Muscle Activity and Glucose Homeostasis. <i>PLoS ONE</i> , 2015, 10, e0143635.	1.1	14
76	Chondrogenic and Fibrotic Process in the Ligamentum Flavum of Patients With Lumbar Spinal Canal Stenosis. <i>Spine</i> , 2015, 40, 429-435.	1.0	51
77	Wnt5a attenuates Wnt3a-induced alkaline phosphatase expression in dental follicle cells. <i>Experimental Cell Research</i> , 2015, 336, 85-93.	1.2	31
78	Pathological Changes of the Joint Capsule from Frozen Shoulder. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015, 96, e99.	0.5	0
79	Preventing effects of joint contracture by high molecular weight hyaluronan injections in a rat immobilized knee model. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 3426-40.	0.5	8
80	Long-term feeding on powdered food causes hyperglycemia and signs of systemic illness in mice. <i>Life Sciences</i> , 2014, 103, 8-14.	2.0	17
81	Nanohydroxyapatite increases BMP-2 expression via a p38 MAP kinase dependent pathway in periodontal ligament cells. <i>Archives of Oral Biology</i> , 2013, 58, 1021-1028.	0.8	30
82	Influence of a long-term powdered diet on the social interaction test and dopaminergic systems in mice. <i>Neurochemistry International</i> , 2013, 63, 309-315.	1.9	11
83	Extracellular ATP inhibits IL-1-induced MMP-1 expression through the action of CD39/nucleotidase triphosphate dephosphorylase-1 on human gingival fibroblasts. <i>International Immunopharmacology</i> , 2013, 17, 513-518.	1.7	5
84	Joint Immobilization Induced Hypoxic and Inflammatory Conditions in Rat Knee Joints. <i>Connective Tissue Research</i> , 2013, 54, 210-217.	1.1	30
85	Prompt Analgesic Effect of Antihistaminic Diphenhydramine Ointment on Bone-Joint-Muscle Pain as Assessed by Skin Impedance. <i>Pharmacology</i> , 2013, 92, 158-166.	0.9	7
86	Roles played by histamine in strenuous or prolonged masseter muscle activity in mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 848-855.	0.9	11
87	Physiological Distal Drift in Rat Molars Contributes to Acellular Cementum Formation. <i>Anatomical Record</i> , 2013, 296, 1255-1263.	0.8	12
88	Interleukin-6 Maintains Glucose Homeostasis to Support Strenuous Masseter Muscle Activity in Mice. <i>Tohoku Journal of Experimental Medicine</i> , 2012, 227, 109-117.	0.5	5
89	Roles of Histamine in Exercise-Induced Fatigue: Favouring Endurance and Protecting against Exhaustion. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 91-97.	0.6	31
90	Wnt5a signaling is a substantial constituent in bone morphogenetic protein-2-mediated osteoblastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2012, 422, 627-632.	1.0	50

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91	Coexistence of fibrotic and chondrogenic process in the capsule of idiopathic frozen shoulders. <i>Osteoarthritis and Cartilage</i> , 2012, 20, 241-249.	0.6	63
92	Chondrogenic, inflammatory and fibrotic process in pathology of idiopathic frozen shoulders. <i>Osteoarthritis and Cartilage</i> , 2012, 20, S247-S248.	0.6	0
93	Roles of IL-6 in Mastication in Mice and Effects of Training and Food Hardness. , 2012, , 104-106.		0
94	Measurement of Fluoride-Induced Endoplasmic Reticulum Stress Using Gaussia Luciferase. <i>Methods in Enzymology</i> , 2011, 491, 111-125.	0.4	6
95	Expression of Collagen Types I and II on Articular Cartilage in a Rat Knee Contracture Model. <i>Connective Tissue Research</i> , 2010, 51, 22-30.	1.1	16
96	The Acid Test of Fluoride: How pH Modulates Toxicity. <i>PLoS ONE</i> , 2010, 5, e10895.	1.1	49
97	Wnt signaling inhibits cementoblast differentiation. , 2010, , 113-115.		0
98	Synthesis and intracellular transportation of type I procollagen during functional differentiation of odontoblasts. <i>Histochemistry and Cell Biology</i> , 2009, 131, 583-591.	0.8	8
99	Transforming growth factor α 21 expression is up α regulated in maturation α stage enamel organ and may induce ameloblast apoptosis. <i>European Journal of Oral Sciences</i> , 2009, 117, 105-112.	0.7	36
100	Dynamic changes in bone metabolism in the rat temporomandibular joint after molar extraction using bone scintigraphy. <i>European Journal of Oral Sciences</i> , 2009, 117, 374-379.	0.7	16
101	Wnt signaling inhibits cementoblast differentiation and promotes proliferation. <i>Bone</i> , 2009, 44, 805-812.	1.4	124
102	Increased Expression of Metalloproteinase-8 and -13 on Articular Cartilage in a Rat Immobilized Knee Model. <i>Tohoku Journal of Experimental Medicine</i> , 2009, 217, 271-278.	0.5	28
103	A Case of Temporomandibular Disorder Caused by Right-Left Asymmetry of Occlusal Contact. <i>Annals of Japan Prosthodontic Society</i> , 2009, 1, 93-96.	0.0	0
104	XBP1 May Determine the Size of the Ameloblast Endoplasmic Reticulum. <i>Journal of Dental Research</i> , 2008, 87, 1058-1062.	2.5	12
105	Intra-articular Injection of Hyaluronan Diminishes Loss of Chondrocytes in a Rat Immobilized-Knee Model. <i>Tohoku Journal of Experimental Medicine</i> , 2008, 215, 321-331.	0.5	33
106	Comparison of expression patterns of cathepsin K and MMP-9 in odontoclasts and osteoclasts in physiological root resorption in the rat molar. <i>Archives of Histology and Cytology</i> , 2008, 71, 89-100.	0.2	14
107	Fluoride Induces Endoplasmic Reticulum Stress and Inhibits Protein Synthesis and Secretion. <i>Environmental Health Perspectives</i> , 2008, 116, 1142-1146.	2.8	103
108	Origin, Splicing, and Expression of Rodent Amelogenin Exon 8. <i>Journal of Dental Research</i> , 2006, 85, 894-899.	2.5	26

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109	Fluoride Induces Endoplasmic Reticulum Stress in Ameloblasts Responsible for Dental Enamel Formation. <i>Journal of Biological Chemistry</i> , 2005, 280, 23194-23202.	1.6	147
110	The Extent of Odontoblast Processes in the Dentin Is Distinct between Cusp and Cervical Regions During Development and Aging.. <i>Archives of Histology and Cytology</i> , 2002, 65, 179-188.	0.2	13
111	Characterization of Interglobular Dentin and Tomes' Granular Layer in Dog Dentin Using Electron Probe Microanalysis in Comparison with Predentin. <i>Calcified Tissue International</i> , 2001, 68, 172-178.	1.5	10
112	Confocal microscopy of Tomes's™ granular layer in dog premolar teeth. <i>Anatomy and Embryology</i> , 2000, 201, 131-137.	1.5	9
113	Comparative proteome analysis of the ligamentum flavum of patients with lumbar spinal canal stenosis. <i>JOR Spine</i> , 0, , .	1.5	1