Satoru Matsunaga

List of Publications by Year
in descending order

56	407	933447	888059
papers	citations	10	17
		h-index	g-index

57	57	57	417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accuracy and retention of denture base fabricated by heat curing and additive manufacturing. Journal of Prosthodontic Research, 2019, 63, 85-89.	2.8	51
2	Anatomical examination of the fibula: Digital imaging study for osseointegrated implant installation. Journal of Otolaryngology - Head and Neck Surgery, 2015, 44, 1.	1.9	35
3	Accuracy of Le Fort I osteotomy with combined computer-aided design/computer-aided manufacturing technology and mixed reality. International Journal of Oral and Maxillofacial Surgery, 2021, 50, 782-790.	1.5	24
4	Biomechanical role of peri-implant trabecular structures during vertical loading. Clinical Oral Investigations, 2010, 14, 507-513.	3.0	22
5	Three-dimensional analysis of incisive canals in human dentulous and edentulous maxillary bones. International Journal of Implant Dentistry, 2015, 1, 12.	2.7	22
6	Development of a Drilling Simulator for Dental Implant Surgery. Journal of Dental Education, 2016, 80, 83-90.	1.2	20
7	Biomechanical role of peri-implant cancellous bone architecture. International Journal of Prosthodontics, 2010, 23, 333-8.	1.7	19
8	Trial application of oxygen and carbon isotope analysis in tooth enamel for identification of past-war victims for discriminating between Japanese and US soldiers. Forensic Science International, 2016, 261, 166.e1-166.e5.	2.2	16
9	Developmental characteristics of secondary cartilage in the mandibular condyle and sphenoid bone in mice. Archives of Oral Biology, 2018, 89, 84-92.	1.8	13
10	Regional differences in the density of Langerhans cells, CD8-positive T lymphocytes and CD68-positive macrophages: a preliminary study using elderly donated cadavers. Anatomy and Cell Biology, 2015, 48, 177.	1.0	10
11	Histological study of the developing pterygoid process of the fetal mouse sphenoid. Anatomical Science International, 2017, 92, 364-372.	1.0	10
12	Developmental mechanism of muscleâ€“tendonâ€“bone complex in the fetal soft palate. Archives of Oral Biology, 2017, 82, 71-78.	1.8	10
13	Persistent bone resorption lacunae on necrotic bone distinguish bisphosphonate-related osteonecrosis of jaw from denosumab-related osteonecrosis. Journal of Bone and Mineral Metabolism, 2021, 39, 737-747.	2.7	10
14	Consideration of shear modulus in biomechanical analysis of peri-implant jaw bone: Accuracy verification using image-based multi-scale simulation. Dental Materials Journal, 2013, 32, 425-432.	1.8	9
15	Morphological classification and comparison of suboccipital muscle fiber characteristics. Anatomy and Cell Biology, 2017, 50, 247.	1.0	9
16	Association between the peri-implant bone structure and stress distribution around the mandibular canal: A three-dimensional finite element analysis. Dental Materials Journal, 2013, 32, 637-642.	1.8	7
17	Development of a Drilling Simulator for Dental Implant Surgery. Journal of Dental Education, 2016, 80, 83-90.	1.2	7
18	Proliferative activity of skeletal myoblast sheet by paracrine effects of mesenchymal stem cells. Journal of Oral Biosciences, 2016, 58, 158-166.	2.2	6

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19	The Influence of Bite Force on the Internal Structure of the Mandible through Implant-Three-dimensional and Mechanical Analysis Using Micro-CT and Finite Element Method-. Journal of Oral Biosciences, 2008, 50, 194-199.	2.2	6
20	Relationship between Preferential Alignment of Biological Apatite and Young^|^rsquo;s Modulus at First Molar in Human Mandible Cortical Bone. Journal of Hard Tissue Biology, 2013, 22, 163-170.	0.4	6
21	Innervation of submandibular and sublingual glands in elderly donated cadavers: a preliminary histological study of differences in nerve morphology between mucous and serous acini. Anatomy and Cell Biology, 2015, 48, 36.	1.0	5
22	Alignment of Biological Apatite Crystallites in Posterior Cortical Bone of Human Edentulous Mandible. Journal of Hard Tissue Biology, 2015, 24, 235-240.	0.4	5
23	The cricothyroid joint in elderly Japanese individuals. Anatomical Science International, 2016, 91, 250-257.	1.0	5
24	Study on Compressive Property of Aluminum Alloy Lattice Structure Additively Manufactured by 3D Printing Technology. Zairyo/Journal of the Society of Materials Science, Japan, 2019, 68, 351-357.	0.2	5
25	Sphenoid bone hypoplasia is a skeletal phenotype of cleidocranial dysplasia in a mouse model and patients. Bone, 2019, 120, 176-186.	2.9	5
26	Influence of Mechanical Loading on Resonance Frequency Analysis and Trabecular Structure of Peri-implant Bone. Prosthodontic Research & Practice, 2007, 6, 120-126.	0.2	5
27	Micro- and Nanostructural Characteristics of Rat Masseter Muscle Entheses. Journal of Hard Tissue Biology, 2019, 28, 365-370.	0.4	5
28	Odontoblast death drives cell-rich zone-derived dental tissue regeneration. Bone, 2021, 150, 116010.	2.9	4
29	Alignment of Biological Apatite Crystallites in Premolar and Molar Region in Cortical Bone of Human Dentate Mandible. Journal of Hard Tissue Biology, 2016, 25, 233-240.	0.4	4
30	Relationship between Biological Apatite Alignment and Hemi-occlusion in Rabbit Mandibular Cortical bone. Journal of Hard Tissue Biology, 2012, 21, 165-172.	0.4	4
31	Biomechanics of Jaw Bone Considering Structural Properties of Trabecular Bone. Journal of Oral Biosciences, 2011, 53, 143-147.	2.2	3
32	Three-Dimensional Analysis of Pulp Chambers in Mandibular Second Deciduous Molars. Journal of Hard Tissue Biology, 2014, 23, 211-216.	0.4	3
33	Stochastic Multi-Scale Finite Element Analysis of the Drilling Force of Trabecular Bone During Oral Implant Surgery. International Journal of Applied Mechanics, 2016, 08, 1650075.	2.2	3
34	Anatomic and Histological Study of Lingual Nerve and Its Clinical Implications. Bulletin of Tokyo Dental College, The, 2017, 58, 95-101.	0.5	3
35	A Site-Specific Comparison of the Trabecular Structure in Senescence-Accelerated Mice^|^mdash;Evaluation of Time-Course Changes in Bone Architecture using in Vivo Micro-CT^|^mdash;. Journal of Hard Tissue Biology, 2013, 22, 171-176.	0.4	3
36	Desmin and Vimentin Expression during Embryonic Development of Tensor Veli Palatini Muscle in Mice. Journal of Hard Tissue Biology, 2015, 24, 134-142.	0.4	3

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37	Probabilistic finite element analysis of fatigue life of additively manufactured clasp. Dental Materials Journal, 2022, 41, 286-294.	1.8	3
38	Pathological differences in the bone healing processes between tooth extraction socket and femoral fracture. Bone Reports, 2022, 16, 101522.	0.4	3
39	Fetal development of the minor lung segment. Anatomy and Cell Biology, 2014, 47, 12.	1.0	2
40	Quantitative study of force sensing while drilling trabecular bone in oral implant surgery. Journal of Biomechanical Science and Engineering, 2016, 11, 15-00550-15-00550.	0.3	2
41	Alignment of Biological Apatite Crystallites in Peri-Implant Bone of Beagles. Materials Transactions, 2017, 58, 107-112.	1.2	2
42	Course of the Maxillary Vein and its Positional Relationship With the Mandibular Ramus Require Attention During Mandibuloplasty. Journal of Craniofacial Surgery, 2020, 31, 861-864.	0.7	2
43	Comparative Study of Morphology and Distribution of Valves in Human Retromandibular Vein. Bulletin of Tokyo Dental College, The, 2021, 62, 99-106.	0.5	2
44	Estimating Living Age Using Stable Isotopes in Japanese Radicular Dentin. Journal of Hard Tissue Biology, 2020, 29, 31-36.	0.4	2
45	Retromandibular vein position and course patterns in relation to mandible: anatomical morphologies requiring particular vigilance during sagittal split ramus osteotomy. Anatomy and Cell Biology, 2020, 53, 444-450.	1.0	2
46	Comparison of Characteristics of Dental Malpractice Trials between Medical Malpractice and Ordinary Divisions in District Courts. Bulletin of Tokyo Dental College, The, 2020, 61, 73-82.	0.5	2
47	Tooth Root Cross-section Variations of Significance for Endodontic Microsurgery and Predicted Risk of Concealed Canal Isthmus Based on Cross-sectional Morphology: Three-dimensional Morphological Analysis of Japanese Maxillary First Molars Using Micro-CT. Journal of Hard Tissue Biology, 2019, 28, 153-158.	0.4	1
48	Micro/nanostructural Characteristic Changes in the Mandibles of Rats after Injection of Botulinum Neurotoxin. Journal of Hard Tissue Biology, 2021, 30, 183-192.	0.4	1
49	Characteristic Distribution of Hematopoietic Cells in Bone Marrow of Xenopus Laevis. Bulletin of Tokyo Dental College, The, 2021, 62, 171-180.	0.5	1
50	A case of calcifying epithelial odontogenic tumor with malignant transformation after two recurrences. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2021, 33, 310-316.	0.3	1
51	Morphological Study on the Fibula in Japanese: Basic Anatomical Study for Maxillofacial Reconstruction. Journal of Hard Tissue Biology, 2018, 27, 287-294.	0.4	1
52	Extraction of Maxillary Impacted Teeth with Simultaneous Immediate Full Mouth Loading Using Long Implant: A Case Report. Bulletin of Tokyo Dental College, The, 2020, 61, 135-143.	0.5	1
53	Micro/nanostructural properties of peri-implant jaw bones: a human cadaver study. International Journal of Implant Dentistry, 2022, 8, 17.	2.7	1
54	Evaluation of the Microstructural Characteristics of Bone Surrounding Anchor Screws Placed under a Horizontal Load by Exploring the Orientation of Biological Apatite Crystals and Collagen Fiber Anisotropy. Journal of Hard Tissue Biology, 2022, 31, 79-86.	0.4	1

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55	Effect of Ovariectomy on the Tibia and Alveolar Bone in a Senescence-Accelerated Mouse-Prone 6 (SAMP6) Model. Journal of Hard Tissue Biology, 2016, 25, 104-108.	0.4	0
56	Effect of Bacterial Infection on Bone Quality and Structure in Osteonecrosis of the Jaw by Bisphosphonate (BP) Administration. Journal of Hard Tissue Biology, 2021, 30, 323-330.	0.4	0