

# Kazuto Hoshi

## List of Publications by Year in descending order

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63  
papers

1,000  
citations

471509

17  
h-index

477307

29  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	The optimization of porous polymeric scaffolds for chondrocyte/atelocollagen based tissue-engineered cartilage. <i>Biomaterials</i> , 2010, 31, 4506-4516.	11.4	112
2	Vision-based markerless registration using stereo vision and an augmented reality surgical navigation system: a pilot study. <i>BMC Medical Imaging</i> , 2015, 15, 51.	2.7	78
3	Synergistic Effects of FGF-2 with Insulin or IGF-I on the Proliferation of Human Auricular Chondrocytes. <i>Cell Transplantation</i> , 2005, 14, 683-693.	2.5	66
4	Early Stage Foreign Body Reaction against Biodegradable Polymer Scaffolds Affects Tissue Regeneration during the Autologous Transplantation of Tissue-Engineered Cartilage in the Canine Model. <i>Cell Transplantation</i> , 2012, 21, 1431-1442.	2.5	64
5	Expansive cervical laminoplasties – observations on comparative changes in spinous process lengths following longitudinal laminal divisions using autogenous bone or hydroxyapatite spacers. <i>Spinal Cord</i> , 1996, 34, 725-728.	1.9	38
6	Therapeutic effects of a recombinant human collagen peptide bioscaffold with human adipose-derived stem cells on impaired wound healing after radiotherapy. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1186-1194.	2.7	35
7	Macrophage-Inducing FasL on Chondrocytes Forms Immune Privilege in Cartilage Tissue Engineering, Enhancing In Vivo Regeneration. <i>Stem Cells</i> , 2014, 32, 1208-1219.	3.2	34
8	Deficiency of Insulin Receptor Substrate-1 Impairs Skeletal Growth Through Early Closure of Epiphyseal Cartilage. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 214-223.	2.8	33
9	Histology of epiphyseal cartilage calcification and endochondral ossification. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 2085.	1.8	30
10	Bone Regenerative Medicine in Oral and Maxillofacial Region Using a Three-Dimensional Printer<sup />. <i>Tissue Engineering - Part A</i> , 2017, 23, 515-521.	3.1	28
11	Computed tomographic evaluation of novel custom-made artificial bones, “œCT-bone” applied for maxillofacial reconstruction. <i>Regenerative Therapy</i> , 2016, 5, 1-8.	3.0	26
12	Prevention of postoperative pneumonia by perioperative oral care in patients with esophageal cancer undergoing surgery: a multicenter retrospective study of 775 patients. <i>Supportive Care in Cancer</i> , 2020, 28, 4155-4162.	2.2	26
13	Three-dimensional changes of noses after transplantation of implant-type tissue-engineered cartilage for secondary correction of cleft lip-“nose patients. <i>Regenerative Therapy</i> , 2017, 7, 72-79.	3.0	25
14	Evaluation of the implant type tissue-engineered cartilage by scanning acoustic microscopy. <i>Journal of Bioscience and Bioengineering</i> , 2012, 113, 252-257.	2.2	24
15	Patch tracheoplasty in body tissue engineering using collagenous connective tissue membranes (biosheets). <i>Journal of Pediatric Surgery</i> , 2016, 51, 244-248.	1.6	23
16	Proliferation medium in three-dimensional culture of auricular chondrocytes promotes effective cartilage regeneration in vivo. <i>Regenerative Therapy</i> , 2019, 11, 306-315.	3.0	21
17	Recent trends in cartilage regenerative medicine and its application to oral and maxillofacial surgery. <i>Oral Science International</i> , 2013, 10, 15-19.	0.7	19
18	Application of induced pluripotent stem cells for cartilage regeneration in CLAWN miniature pig osteochondral replacement model. <i>Regenerative Therapy</i> , 2018, 9, 58-70.	3.0	19

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19	Promotion of tracheal cartilage growth by intra-tracheal injection of basic fibroblast growth factor (b-FGF). <i>Journal of Pediatric Surgery</i> , 2014, 49, 296-300.	1.6	17
20	Tissue responses against tissue-engineered cartilage consisting of chondrocytes encapsulated within non-absorbable hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 1-9.	2.7	16
21	Ear Cartilage Reconstruction Combining Induced Pluripotent Stem Cell-Derived Cartilage and Three-Dimensional Shape-Memory Scaffold. <i>Tissue Engineering - Part A</i> , 2021, 27, 604-617.	3.1	15
22	Validity of diagnoses and procedures in Japanese dental claims data. <i>BMC Health Services Research</i> , 2021, 21, 1116.	2.2	14
23	Optimal conditions of collagenase treatment for isolation of articular chondrocytes from aged human tissues. <i>Regenerative Therapy</i> , 2017, 6, 9-14.	3.0	13
24	Different phenotypes and chondrogenic responses of human menstrual blood and bone marrow mesenchymal stem cells to activin A and TGF- $\beta$ 3. <i>Stem Cell Research and Therapy</i> , 2021, 12, 251.	5.5	13
25	Preclinical and clinical research on bone and cartilage regenerative medicine in oral and maxillofacial region. <i>Oral Science International</i> , 2014, 11, 45-51.	0.7	12
26	Clinical experience of full custom-made artificial bones for the maxillofacial region. <i>Regenerative Therapy</i> , 2016, 5, 72-78.	3.0	12
27	Roles of macrophage migration inhibitory factor in cartilage tissue engineering. <i>Journal of Cellular Physiology</i> , 2018, 233, 1490-1499.	4.1	12
28	Periostin contributes to the maturation and shape retention of tissue-engineered cartilage. <i>Scientific Reports</i> , 2018, 8, 11210.	3.3	12
29	Study of Mechanical Properties of Engineered Cartilage in an in Vivo Culture for Design of a Biodegradable Scaffold. <i>International Journal of Artificial Organs</i> , 2010, 33, 775-781.	1.4	11
30	Mesenchymal stromal cells in the bone marrow niche consist of multi-populations with distinct transcriptional and epigenetic properties. <i>Scientific Reports</i> , 2021, 11, 15811.	3.3	11
31	Tracheoplasty with cartilage-engineered esophagus environments. <i>Journal of Pediatric Surgery</i> , 2015, 50, 1093-1098.	1.6	9
32	Slow release of basic fibroblast growth factor (b-FGF) enhances mechanical properties of rat trachea. <i>Journal of Pediatric Surgery</i> , 2015, 50, 255-259.	1.6	8
33	Biological aspects of tissue-engineered cartilage. <i>Histochemistry and Cell Biology</i> , 2018, 149, 375-381.	1.7	8
34	Clinical significance of buccal branches of the facial nerve and their relationship with the emergence of Stensen's duct: An anatomical study on adult Taiwanese cadavers. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 1809-1818.	1.7	8
35	The development of a serum-free medium utilizing the interaction between growth factors and biomaterials. <i>Biomaterials</i> , 2012, 33, 444-454.	11.4	7
36	Human auricular chondrocytes with high proliferation rate show high production of cartilage matrix. <i>Regenerative Therapy</i> , 2017, 6, 21-28.	3.0	7

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37	Optimization of culture duration of bone marrow cells before transplantation with a $\beta$ -tricalcium phosphate/recombinant collagen peptide hybrid scaffold. <i>Regenerative Therapy</i> , 2020, 14, 284-295.	3.0	7
38	COVID-19 transmission in dental and oral/maxillofacial surgical practice during pandemic: questionnaire survey in 51 university hospitals in Japan. <i>Journal of Hospital Infection</i> , 2022, 125, 21-27.	2.9	7
39	Administration of the insulin into the scaffold atelocollagen for tissue-engineered cartilage. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 186-192.	4.0	6
40	Biological roles of glial fibrillary acidic protein as a biomarker in cartilage regenerative medicine. <i>Journal of Cellular Physiology</i> , 2017, 232, 3182-3193.	4.1	6
41	The period circadian clock 2 gene responds to glucocorticoids and regulates osteogenic capacity. <i>Regenerative Therapy</i> , 2019, 11, 199-206.	3.0	6
42	Involvement of cyclic guanosine monophosphate-dependent protein kinase II in chondrocyte hypertrophy during endochondral ossification. <i>Modern Rheumatology</i> , 2005, 15, 391-396.	1.8	5
43	Tracheal cartilage growth by intratracheal injection of basic fibroblast growth factor. <i>Journal of Pediatric Surgery</i> , 2017, 52, 235-238.	1.6	5
44	Swallowing evaluation by the Kuchikara Taberu Balance Chart and videoendoscopic examination reveals that respiratory conditions, chewing, and position are strongly related to dysphagia. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 448-452.	1.9	5
45	M1-like macrophage contributes to chondrogenesis in vitro. <i>Scientific Reports</i> , 2021, 11, 21307.	3.3	5
46	Impairment of the transition from proliferative stage to prehypertrophic stage in chondrogenic differentiation of human induced pluripotent stem cells harboring the causative mutation of Achondroplasia in fibroblast growth factor receptor 3. <i>Regenerative Therapy</i> , 2017, 6, 15-20.	3.0	4
47	Improving chondrocyte harvests with poly(2-hydroxyethyl methacrylate) coated materials in the preparation for cartilage tissue engineering. <i>Regenerative Therapy</i> , 2017, 7, 61-71.	3.0	4
48	Implications for clinical dental practice during the coronavirus disease pandemic: A scoping review. <i>Journal of Prosthodontic Research</i> , 2022, 66, 6-11.	2.8	4
49	Utility of NucleoCounter for the chondrocyte count in the collagenase digest of human native cartilage. <i>Cytotechnology</i> , 2010, 62, 539-545.	1.6	3
50	Fine structure of bone matrix calcification. <i>Journal of Oral Biosciences</i> , 2012, 54, 19-24.	2.2	3
51	Electron microscopic observation of human auricular chondrocytes transplanted into peritoneal cavity of nude mice for cartilage regeneration. <i>Regenerative Therapy</i> , 2018, 8, 1-8.	3.0	3
52	Characteristic X-ray absorptiometry applied to the assessment of tissue-engineered cartilage development. <i>Journal of X-Ray Science and Technology</i> , 2015, 23, 489-502.	1.0	2
53	Long-term follow-up of tracheal cartilage growth promotion by intratracheal injection of basic fibroblast growth factor. <i>Journal of Pediatric Surgery</i> , 2018, 53, 2394-2398.	1.6	2
54	Glial Fibrillary Acidic Protein as Biomarker Indicates Purity and Property of Auricular Chondrocytes. <i>BioResearch Open Access</i> , 2020, 9, 51-63.	2.6	2

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55	Regenerative Cartilage made by Fusion of Cartilage Elements derived from Chondrocyte Sheets prepared in Temperature-Responsive Culture Dishes. <i>Journal of Hard Tissue Biology</i> , 2014, 23, 101-110.	0.4	2
56	Hematopoietic progenitor cells specifically induce a unique immune response in dental pulp under conditions of systemic inflammation. <i>Heliyon</i> , 2022, 8, e08904.	3.2	2
57	Replacement of temporomandibular condylar head in a patient suffering from ankylosing spondylitis with severe ankylosis of the temporomandibular joints and whole spine. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2019, 31, 31-37.	0.3	1
58	Fabrication of Stereotyped Beta-Tricalcium-Phosphate Blocks into a Conjugated Structure using Mesenchymal Stem Cell Sheets Prepared in Temperature-Responsive Culture Dishes. <i>Journal of Hard Tissue Biology</i> , 2014, 23, 217-224.	0.4	1
59	Requirement of direct contact between chondrocytes and macrophages for the maturation of regenerative cartilage. <i>Scientific Reports</i> , 2021, 11, 22476.	3.3	1
60	Superior stemness of a rapidly growing subgroup of isolated human auricular chondrocytes and the potential for use in cartilage regenerative therapy. <i>Regenerative Therapy</i> , 2022, 19, 47-57.	3.0	1
61	Establishment of a new technique for the fabrication of regenerative cartilage with a microslicer device to prepare three dimensional diced cartilage. <i>Biomedical Research</i> , 2020, 41, 67-80.	0.9	0
62	Novel operative technique of advancement urethral meatoplasty utilizing buccal mucosa for Vulvar Paget's disease with urethral invasion: two case reports. <i>Journal of Medical Case Reports</i> , 2021, 15, 136.	0.8	0
63	A case of an Erdheim-Chester disease related tumor of the maxilla. <i>Nihon Koku Geka Gakkai Zasshi</i> , 2020, 66, 637-643.	0.0	0