

# Koichi Nakayama

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,199  
citations

471371

17  
h-index

526166

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-Term Outcome of Sciatic Nerve Regeneration Using Bio3D Conduit Fabricated from Human Fibroblasts in a Rat Sciatic Nerve Model. <i>Cell Transplantation</i> , 2021, 30, 096368972110213.	1.2	9
2	Bio-3D printing iPSC-derived human chondrocytes for articular cartilage regeneration. <i>Biofabrication</i> , 2021, 13, 044103.	3.7	38
3	Successful use of bio plugs for delayed bronchial closure after pneumonectomy in experimental settings. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, , .	0.5	2
4	Human lung microvascular endothelial cells as potential alternatives to human umbilical vein endothelial cells in bio-3D-printed trachea-like structures. <i>Tissue and Cell</i> , 2020, 63, 101321.	1.0	11
5	A scaffold-free Bio 3D nerve conduit for repair of a 10mm peripheral nerve defect in the rats. <i>Microsurgery</i> , 2020, 40, 207-216.	0.6	13
6	Bio 3D Conduits Derived from Bone Marrow Stromal Cells Promote Peripheral Nerve Regeneration. <i>Cell Transplantation</i> , 2020, 29, 096368972095155.	1.2	7
7	Cryopreservation method for spheroids and fabrication of scaffold-free tubular constructs. <i>PLoS ONE</i> , 2020, 15, e0230428.	1.1	22
8	2-Cl-C.OXT-A stimulates contraction through the suppression of phosphodiesterase activity in human induced pluripotent stem cell-derived cardiac organoids. <i>PLoS ONE</i> , 2019, 14, e0213114.	1.1	19
9	Replacement of Rat Tracheas by Layered, Trachea-Like, Scaffold-Free Structures of Human Cells Using a Bio-3D Printing System. <i>Advanced Healthcare Materials</i> , 2019, 8, e1800983.	3.9	56
10	The Efficacy of a Scaffold-free Bio 3D Conduit Developed from Autologous Dermal Fibroblasts on Peripheral Nerve Regeneration in a Canine Ulnar Nerve Injury Model: A Preclinical Proof-of-Concept Study. <i>Cell Transplantation</i> , 2019, 28, 1231-1241.	1.2	27
11	Histological evaluation of tendon formation using a scaffold-free three-dimensional-bioprinted construct of human dermal fibroblasts under in vitro static tensile culture. <i>Regenerative Therapy</i> , 2019, 11, 47-55.	1.4	18
12	Regenerative medicine using stem cells from human exfoliated deciduous teeth (SHED): a promising new treatment in pediatric surgery. <i>Surgery Today</i> , 2019, 49, 316-322.	0.7	34
13	Regeneration of esophagus using a scaffold-free biomimetic structure created with bio-three-dimensional printing. <i>PLoS ONE</i> , 2019, 14, e0211339.	1.1	45
14	Scaffold-free trachea regeneration by tissue engineering with bio-3D printing. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 745-752.	0.5	106
15	Regeneration of diaphragm with bio-3D cellular patch. <i>Biomaterials</i> , 2018, 167, 1-14.	5.7	41
16	Osteochondral Regeneration with a Scaffold-Free Three-Dimensional Construct of Adipose Tissue-Derived Mesenchymal Stromal Cells in Pigs. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 101-113.	1.6	33
17	Fabrication of scaffold-free tubular cardiac constructs using a Bio-3D printer. <i>PLoS ONE</i> , 2018, 13, e0209162.	1.1	110
18	The addition of human iPS cell-derived neural progenitors changes the contraction of human iPS cell-derived cardiac spheroids. <i>Tissue and Cell</i> , 2018, 53, 61-67.	1.0	9

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19	Analysis of Cell Spheroid Morphological Characteristics Using the Spheroid Morphology Evaluation System. <i>Journal of Robotics and Mechatronics</i> , 2018, 30, 819-826.	0.5	1
20	The efficacy of a scaffold-free Bio 3D conduit developed from human fibroblasts on peripheral nerve regeneration in a rat sciatic nerve model. <i>PLoS ONE</i> , 2017, 12, e0171448.	1.1	100
21	Development of a three-dimensional pre-vascularized scaffold-free contractile cardiac patch for treating heart disease. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 137-145.	0.3	98
22	Scaffold-Free Tubular Tissues Created by a Bio-3D Printer Undergo Remodeling and Endothelialization when Implanted in Rat Aortae. <i>PLoS ONE</i> , 2015, 10, e0136681.	1.1	215
23	Mevastatin reduces cartilage degradation in rabbit experimental osteoarthritis through inhibition of synovial inflammation. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 235-243.	0.6	68
24	Contact stress at the post-cam mechanism in posterior-stabilised total knee arthroplasty. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2005, 87-B, 483-488.	3.4	82