

Ryotaro Hashizume

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,672
citations

331670

21
h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

2754
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and therapeutic efficacy of a biodegradable, thermoresponsive hydrogel designed for application in chronic infarcted myocardium. <i>Biomaterials</i> , 2009, 30, 4357-4368.	11.4	248
2	Mechanical properties and in vivo behavior of a biodegradable synthetic polymer microfibrillar extracellular matrix hydrogel biohybrid scaffold. <i>Biomaterials</i> , 2011, 32, 3387-3394.	11.4	188
3	Intra-myocardial biomaterial injection therapy in the treatment of heart failure: Materials, outcomes and challenges. <i>Acta Biomaterialia</i> , 2011, 7, 1-15.	8.3	178
4	Tailoring the degradation kinetics of poly(ester carbonate urethane)urea thermoplastic elastomers for tissue engineering scaffolds. <i>Biomaterials</i> , 2010, 31, 4249-4258.	11.4	165
5	Generating Elastic, Biodegradable Polyurethane/Poly(lactide-co-glycolide) Fibrous Sheets with Controlled Antibiotic Release via Two-Stream Electrospinning. <i>Biomacromolecules</i> , 2008, 9, 1200-1207.	5.4	107
6	Tenascin-C May Accelerate Cardiac Fibrosis by Activating Macrophages via the Integrin $\alpha_2\beta_1$ /Nuclear Factor- κ B/Interleukin-6 Axis. <i>Hypertension</i> , 2015, 66, 757-766.	2.7	98
7	Morphological and mechanical characteristics of the reconstructed rat abdominal wall following use of a wet electrospun biodegradable polyurethane elastomer scaffold. <i>Biomaterials</i> , 2010, 31, 3253-3265.	11.4	75
8	Right Ventricular Outflow Tract Repair with a Cardiac Biologic Scaffold. <i>Cells Tissues Organs</i> , 2012, 195, 159-170.	2.3	62
9	BNP as a Major Player in the Heart-Kidney Connection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3581.	4.1	57
10	Mesenchymal stem cells attenuate angiotensin II-induced aortic aneurysm growth in apolipoprotein E-deficient mice. <i>Journal of Vascular Surgery</i> , 2011, 54, 1743-1752.	1.1	56
11	An Elastomeric Patch Electrospun from a Blended Solution of Dermal Extracellular Matrix and Biodegradable Polyurethane for Rat Abdominal Wall Repair. <i>Tissue Engineering - Part C: Methods</i> , 2012, 18, 122-132.	2.1	51
12	The effect of polymer degradation time on functional outcomes of temporary elastic patch support in ischemic cardiomyopathy. <i>Biomaterials</i> , 2013, 34, 7353-7363.	11.4	51
13	Naive Rat Amnion-Derived Cell Transplantation Improved Left Ventricular Function and Reduced Myocardial Scar of Postinfarcted Heart. <i>Cell Transplantation</i> , 2009, 18, 477-486.	2.5	48
14	Biodegradable elastic patch plasty ameliorates left ventricular adverse remodeling after ischemia-reperfusion injury: A preclinical study of a porous polyurethane material in a porcine model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 146, 391-399.e1.	0.8	43
15	Intramyocardial Injection of a Synthetic Hydrogel with Delivery of bFGF and IGF1 in a Rat Model of Ischemic Cardiomyopathy. <i>Biomacromolecules</i> , 2014, 15, 1-11.	5.4	41
16	Placement of an Elastic Biodegradable Cardiac Patch on a Subacute Infarcted Heart Leads to Cellularization With Early Developmental Cardiomyocyte Characteristics. <i>Journal of Cardiac Failure</i> , 2012, 18, 585-595.	1.7	35
17	Urinary bladder matrix promotes site appropriate tissue formation following right ventricle outflow tract repair. <i>Organogenesis</i> , 2013, 9, 149-160.	1.2	31
18	Therapeutic potential of bone marrow-derived mesenchymal stem cells in formed aortic aneurysms of a mouse model. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, e156-e165.	1.4	31

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19	Skeletal muscle derived stem cells microintegrated into a biodegradable elastomer for reconstruction of the abdominal wall. <i>Biomaterials</i> , 2017, 113, 31-41.	11.4	30
20	Mesenchymal stem cells for treatment of aortic aneurysms. <i>World Journal of Stem Cells</i> , 2014, 6, 278.	2.8	27
21	Abdominal wall reconstruction by a regionally distinct biocomposite of extracellular matrix digest and a biodegradable elastomer. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 748-761.	2.7	25
22	Gap junction protein beta 4 plays an important role in cardiac function in humans, rodents, and zebrafish. <i>PLoS ONE</i> , 2020, 15, e0240129.	2.5	10
23	Use of a pedicled omental flap to reduce inflammation and vascularize an abdominal wall patch. <i>Journal of Surgical Research</i> , 2017, 212, 77-85.	1.6	7
24	Possibility of venoarterial extracorporeal membranous oxygenator being a bridging therapy for hemodynamic deterioration of pulmonary tumor thrombotic microangiopathy prior to initiating chemotherapy. <i>Medicine (United States)</i> , 2018, 97, e12169.	1.0	4
25	Experimental method for haplotype phasing across the entire length of chromosome 21 in trisomy 21 cells using a chromosome elimination technique. <i>Journal of Human Genetics</i> , 2022, 67, 565-572.	2.3	2
26	Renal papillary tip extract stimulates BNP production and excretion from cardiomyocytes. <i>PLoS ONE</i> , 2018, 13, e0197078.	2.5	1
27	Serum-Induced Expression of Brain Natriuretic Peptide Contributes to Its Increase in Patients with HFpEF. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2991.	4.1	1
28	Endoventricular Left Ventriculoplasty: Overlap Technique for Akinetic Scar. <i>Asian Cardiovascular and Thoracic Annals</i> , 2000, 8, 311-314.	0.5	0