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List of Publications by Year
in descending order

Version: 2024-02-01

87 papers	4,315 citations	109137 35 h-index	110170 64 g-index
90 all docs	90 docs citations	90 times ranked	4576 citing authors

#	Article	IF	Citations
1	Light-Activated Vascular Anastomosis. Surgical Innovation, 2023, 30, 143-149.	0.4	1
2	Exceeding the Limits of Static Cold Storage in Limb Transplantation Using Subnormothermic Machine Perfusion. Journal of Reconstructive Microsurgery, 2023, 39, 350-360.	1.0	6
3	Lightâ€activated photosealing with human amniotic membrane strengthens bowel anastomosis in a hypotensive, traumaâ€relevant swine model. Lasers in Surgery and Medicine, 2022, 54, 407-417.	1.1	4
4	Optimization of Ex Vivo Machine Perfusion and Transplantation of Vascularized Composite Allografts. Journal of Surgical Research, 2022, 270, 151-161.	0.8	8
5	A Photosealed Cap Prevents Disorganized Axonal Regeneration and Neuroma following Nerve Transection in Rats. Plastic and Reconstructive Surgery - Global Open, 2022, 10, e4168.	0.3	6
6	A Reliable Porcine Fascio-Cutaneous Flap Model for Vascularized Composite Allografts Bioengineering Studies. Journal of Visualized Experiments, 2022, , .	0.2	1
7	Cutaneous leukocyte lineages in tolerant large animal and immunosuppressed clinical vascularized composite allograft recipients. American Journal of Transplantation, 2021, 21, 582-592.	2.6	4
8	Mechanobiological Interactions between Dynamic Compressive Loading and Viscoelasticity on Chondrocytes in Hydrazone Covalent Adaptable Networks for Cartilage Tissue Engineering. Advanced Healthcare Materials, 2021, 10, e2002030.	3.9	16
9	In Vivo Activity of Genetically Modified Cells Preseeded in Rat Vascularized Composite Allografts. Transplantation Proceedings, 2021, 53, 1751-1755.	0.3	0
10	Partial Heterotopic Hindlimb Transplantation Model in Rats. Journal of Visualized Experiments, 2021, , .	0.2	2
11	Local FK506 implants in non-human primates to prevent early acute rejection in vascularized composite allografts. Annals of Translational Medicine, 2021, 9, 1070-1070.	0.7	2
12	Biomimetic and mechanically supportive 3D printed scaffolds for cartilage and osteochondral tissue engineering using photopolymers and digital light processing. Biofabrication, 2021, 13, 044106.	3.7	26
13	Human prostate cancer bone metastases have an actionable immunosuppressive microenvironment. Cancer Cell, 2021, 39, 1464-1478.e8.	7.7	98
14	Longitudinal Model of Periprosthetic Joint Infection in the Rat. Journal of Orthopaedic Research, 2020, 38, 1101-1112.	1.2	20
15	Local Immunosuppression for Vascularized Composite Allografts: Application of Topical FK506-TyroSpheres in a Nonhuman Primate Model. Journal of Burn Care and Research, 2020, 41, 1172-1178.	0.2	4
16	Photochemical Tissue Passivation of Arteriovenous Grafts Prevents Long-Term Development of Intimal Hyperplasia in a Swine Model. Journal of Surgical Research, 2020, 253, 280-287.	0.8	3
17	Toward Development of the Delayed Tolerance Induction Protocol for Vascularized Composite Allografts in Nonhuman Primates. Plastic and Reconstructive Surgery, 2020, 145, 757e-768e.	0.7	13
18	Cells for Cartilage Regeneration. , 2020, , 33-99.		1

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19	Photochemical Tissue Passivation Prevents Contracture of Full Thickness Wounds in Mice. Lasers in Surgery and Medicine, 2019, 51, 910-919.	1.1	3
20	Decellularized extracellular matrix microparticles seeded with bone marrow mesenchymal stromal cells for the treatment of full-thickness cutaneous wounds. Journal of Biomaterials Applications, 2019, 33, 1070-1079.	1.2	9
21	Assessment and prevention of cartilage degeneration surrounding a focal chondral defect in the porcine model. Biochemical and Biophysical Research Communications, 2019, 514, 940-945.	1.0	4
22	An in vitro and in vivo comparison of cartilage growth in chondrocyte-laden matrix metalloproteinase-sensitive poly(ethylene glycol) hydrogels with localized transforming growth factor Î²3. Acta Biomaterialia, 2019, 93, 97-110.	4.1	49
23	Graft vasculopathy of vascularized composite allografts in humans: a literature review and retrospective study. Transplant International, 2019, 32, 831-838.	0.8	23
24	Hydrazone covalent adaptable networks modulate extracellular matrix deposition for cartilage tissue engineering. Acta Biomaterialia, 2019, 83, 71-82.	4.1	86
25	Photochemical Tissue Passivation Attenuates AV Fistula Intimal Hyperplasia. Annals of Surgery, 2018, 267, 183-188.	2.1	8
26	Wide-Field Functional Microscopy of Peripheral Nerve Injury and Regeneration. Scientific Reports, 2018, 8, 14004.	1.6	23
27	Cells for Cartilage Regeneration. , 2018, , 1-67.		0
28	Specific Bone Marrow Mesenchymal Subsets in Patients with Myelodysplastic Syndromes Harbor Molecular Perturbations That Alter the Dynamics of Competition between Pre-Leukemic Clones and Normal Cells. Blood, 2018, 132, 938-938.	0.6	0
29	Chondrogenesis by bone marrowâ€derived mesenchymal stem cells grown in chondrocyteâ€conditioned medium for auricular reconstruction. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2763-2773.	1.3	28
30	Creation of a Bioengineered Skin Flap Scaffold with a Perfusable Vascular Pedicle. Tissue Engineering - Part A, 2017, 23, 696-707.	1.6	32
31	Indentation mapping revealed poroelastic, but not viscoelastic, properties spanning native zonal articular cartilage. Acta Biomaterialia, 2017, 64, 41-49.	4.1	51
32	A light-activated amnion wrap strengthens colonic anastomosis and reduces peri-anastomotic adhesions. Lasers in Surgery and Medicine, 2016, 48, 530-537.	1.1	16
33	Light-Activated Sealing of Acellular Nerve Allografts following Nerve Gap Injury. Journal of Reconstructive Microsurgery, 2016, 32, 421-430.	1.0	12
34	Photochemical Tissue Passivation Reduces Vein Graft Intimal Hyperplasia in a Swine Model of Arteriovenous Bypass Grafting. Journal of the American Heart Association, 2016, 5, .	1.6	15
35	Bioengineered Self-assembled Skin as an Alternative to Skin Grafts. Plastic and Reconstructive Surgery - Global Open, 2016, 4, e731.	0.3	28
36	Articular cartilage generation applying PEG-LA-DM/PEGDM copolymer hydrogels. BMC Musculoskeletal Disorders, 2016, 17, 245.	0.8	13

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37	Hyaline Articular Matrix Formed by Dynamic Self-Regenerating Cartilage and Hydrogels. Tissue Engineering - Part A, 2016, 22, 962-970.	1.6	6
38	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. Nature Communications, 2016, 7, 10374.	5.8	173
39	Ear-Shaped Stable Auricular Cartilage Engineered from Extensively Expanded Chondrocytes in an Immunocompetent Experimental Animal Model. Tissue Engineering - Part A, 2016, 22, 197-207.	1.6	42
40	Immunomodulatory Strategies Directed Toward Tolerance of Vascularized Composite Allografts. Transplantation, 2015, 99, 1590-1597.	0.5	9
41	Postnatal xenogeneic Bâ€cell tolerance in swine following in utero intraportal antigen exposure. Xenotransplantation, 2015, 22, 368-378.	1.6	3
42	Adhesion and integration of tissue engineered cartilage to porous polyethylene for composite ear reconstruction. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 983-991.	1.6	15
43	Light-Activated Sealing of Nerve Graft Coaptation Sites Improves Outcome following Large Gap Peripheral Nerve Injury. Plastic and Reconstructive Surgery, 2015, 136, 739-750.	0.7	25
44	Effects of Transient Donor Chimerism on Rejection of MHC-Mismatched Vascularized Composite Allografts in Swine. Vascularized Composite Allotransplantation, 2015, 2, 1-8.	0.5	8
45	Conditions for seeding and promoting neo-auricular cartilage formation in a fibrous collagen scaffold. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 382-389.	0.7	17
46	Enhancing the stiffness of collagen hydrogels for delivery of encapsulated chondrocytes to articular lesions for cartilage regeneration. Journal of Biomedical Materials Research - Part A, 2015, 103, 1332-1338.	2.1	34
47	A Biosynthetic Scaffold that Facilitates Chondrocyte-Mediated Degradation and Promotes Articular Cartilage Extracellular Matrix Deposition. Regenerative Engineering and Translational Medicine, 2015, 1, 11-21.	1.6	28
48	Augmenting peripheral nerve regeneration using stem cells: A review of current opinion. World Journal of Stem Cells, 2015, 7, 11.	1.3	119
49	Comprehensive Evaluation of Peripheral Nerve Regeneration in the Acute Healing Phase Using Tissue Clearing and Optical Microscopy in a Rodent Model. PLoS ONE, 2014, 9, e94054.	1.1	34
50	Covalently tethered TGFâ€•Î² 1 with encapsulated chondrocytes in a PEG hydrogel system enhances extracellular matrix production. Journal of Biomedical Materials Research - Part A, 2014, 102, 4464-4472.	2.1	72
51	Concise Review: Unraveling Stem Cell Cocultures in Regenerative Medicine: Which Cell Interactions Steer Cartilage Regeneration and How?. Stem Cells Translational Medicine, 2014, 3, 723-733.	1.6	63
52	Ovine Model for Auricular Reconstruction. Annals of Otology, Rhinology and Laryngology, 2014, 123, 135-140.	0.6	9
53	Extensively Expanded Auricular Chondrocytes Form Neocartilage In Vivo. Cartilage, 2014, 5, 241-251.	1.4	27
54	Successful Creation of Tissue-Engineered Autologous Auricular Cartilage in an Immunocompetent Large Animal Model. Tissue Engineering - Part A, 2014, 20, 303-312.	1.6	37

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55	The gracilis myocutaneous free flap in swine: An advantageous preclinical model for vascularized composite allograft transplantation research. Microsurgery, 2013, 33, 51-55.	0.6	27
56	A photoactivated nanofiber graft material for augmented Achilles tendon repair. Lasers in Surgery and Medicine, 2012, 44, 645-652.	1.1	42
57	The Tissue-Engineered Auricle: Past, Present, and Future. Tissue Engineering - Part B: Reviews, 2012, 18, 51-61.	2.5	149
58	Porous Poly(Vinyl Alcohol)-Hydrogel Matrix-Engineered Biosynthetic Cartilage. Tissue Engineering - Part A, 2011, 17, 301-309.	1.6	43
59	Chondrogenic Priming Adipose-Mesenchymal Stem Cells for Cartilage Tissue Regeneration. Pharmaceutical Research, 2011, 28, 1395-1405.	1.7	50
60	Engineering Ear Constructs with a Composite Scaffold to Maintain Dimensions. Tissue Engineering - Part A, 2011, 17, 1573-1581.	1.6	82
61	Animal Models for Engineering Tissues in the Upper Extremity. , 2010, , 95-124.		0
62	Engineering Cartilage in a Photochemically Crosslinked Collagen Gel. Journal of Knee Surgery, 2009, 22, 72-81.	0.9	24
63	Improving electrophysiologic and histologic outcomes by photochemically sealing amnion to the peripheral nerve repair site. Surgery, 2009, 145, 313-321.	1.0	62
64	Photochemical Sealing Improves Outcome Following Peripheral Neurorrhaphy. Journal of Surgical Research, 2009, 151, 33-39.	0.8	51
65	Photochemical Tissue Bonding: A Promising Technique for Peripheral Nerve Repair. Journal of Surgical Research, 2007, 143, 224-229.	0.8	60
66	Microvascular anastomosis using a photochemical tissue bonding technique. Lasers in Surgery and Medicine, 2007, 39, 716-722.	1.1	76
67	Tissue-Engineered Flexible Ear-Shaped Cartilage. Plastic and Reconstructive Surgery, 2005, 115, 1633-1641.	0.7	78
68	Controlled Degradation and Mechanical Behavior of Photopolymerized Hyaluronic Acid Networks. Biomacromolecules, 2005, 6, 386-391.	2.6	669
69	Heterotopic limb allotransplantation model to study skin rejection in the rat. Microsurgery, 2004, 24, 448-453.	0.6	13
70	Injectable Tissue-Engineered Cartilage with Different Chondrocyte Sources. Plastic and Reconstructive Surgery, 2004, 113, 1361-1371.	0.7	110
71	Tolerance to composite tissue allografts across a major histocompatibility barrier in miniature swine1. Transplantation, 2004, 77, 514-521.	0.5	111
72	Tissue engineering of cartilage. Clinics in Plastic Surgery, 2003, 30, 519-537.	0.7	35

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73	Split tolerance to a composite tissue allograft in a swine model. Transplantation, 2003, 75, 25-31.	0.5	116
74	A Biomechanical Analysis of an Engineered Cell-Scaffold Implant for Cartilage Repair. Annals of Plastic Surgery, 2001, 46, 533-537.	0.5	59
75	Meniscal repair using engineered tissue. Journal of Orthopaedic Research, 2001, 19, 278-285.	1.2	53
76	Xenotransplantation model for vascularized musculoskeletal tissues in rodents. , 2000, 20, 59-64.		6
77	Strategies for tolerance induction to composite tissue allografts. Microsurgery, 2000, 20, 448-452.	0.6	35
78	Cell-Based Tissue-Engineered Allogeneic Implant for Cartilage Repair. Tissue Engineering, 2000, 6, 567-576.	4.9	68
79	Biomechanical Analysis of a Chondrocyte-Based Repair Model of Articular Cartilage. Tissue Engineering, 1999, 5, 317-326.	4.9	64
80	Transdermal Photopolymerization of Poly (Ethylene Oxide)-Based Injectable Hydrogels for Tissue-Engineered Cartilage. Plastic and Reconstructive Surgery, 1999, 104, 1014-1022.	0.7	136
81	Injectable Tissue-Engineered Cartilage Using a Fibrin Glue Polymer. Plastic and Reconstructive Surgery, 1999, 103, 1809-1818.	0.7	195
82	Transdermal Photopolymerization of Poly (Ethylene Oxide)-Based Injectable Hydrogels for Tissue-Engineered Cartilage. Plastic and Reconstructive Surgery, 1999, 104, 1014-1022.	0.7	164
83	Bonding of cartilage matrices with cultured chondrocytes: An experimental model. Journal of Orthopaedic Research, 1998, 16, 89-95.	1.2	67
84	Prolonged Survival in Fetal Rabbit Surgery. Journal of Investigative Surgery, 1998, 11, 57-61.	0.6	4
85	Tissue Engineered Neocartilage Using Plasma Derived Polymer Substrates and Chondrocytes. Plastic and Reconstructive Surgery, 1998, 101, 1580-1585.	0.7	176
86	Prolonged General Anesthesia for Experimental Craniofacial Surgery in Fetal Swine. Journal of Investigative Surgery, 1997, 10, 53-57.	0.6	8
87	Injectable Cartilage Using Polyethylene Oxide Polymer Substrates. Plastic and Reconstructive Surgery, 1996, 98, 843-850.	0.7	139