Jason A Wertheim

List of Publications by Year
in descending order

50 papers	2,563 citations	186265 28 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	4078 citing authors

#	Article	IF	Citations
1	The promise of organ and tissue preservation to transform medicine. Nature Biotechnology, 2017, 35, 530-542.	17.5	371
2	Optimization and Critical Evaluation of Decellularization Strategies to Develop Renal Extracellular Matrix Scaffolds as Biological Templates for Organ Engineering and Transplantation. American Journal of Transplantation, 2015, 15, 64-75.	4.7	182
3	Initiation of puberty in mice following decellularized ovary transplant. Biomaterials, 2015, 50, 20-29.	11.4	173
4	Major Challenges Limiting Liver Transplantation in the United States. American Journal of Transplantation, 2011, 11, 1773-1784.	4.7	149
5	The coiled-coil domain and Tyr177 of bcr are required to induce a murine chronic myelogenous leukemiaâ€“like disease by bcr/abl. Blood, 2002, 99, 2957-2968.	1.4	105
6	Perspectives on whole-organ assembly: moving toward transplantation on demand. Journal of Clinical Investigation, 2012, 122, 3817-3823.	8.2	102
7	Functional Maturation of Induced Pluripotent Stem Cell Hepatocytes in Extracellular Matrixâ€”A Comparative Analysis of Bioartificial Liver Microenvironments. Stem Cells Translational Medicine, 2016, 5, 1257-1267.	3.3	95
8	Assessment of hepatic steatosis by transplant surgeon and expert pathologist: A prospective, double-blind evaluation of 201 donor livers. Liver Transplantation, 2013, 19, 437-449.	2.4	93
9	Nanofibrous PLGA electrospun scaffolds modified with type I collagen influence hepatocyte function and support viability in vitro. Acta Biomaterialia, 2018, 73, 217-227.	8.3	88
10	Bcr-abl-positive cells secrete angiogenic factors including matrix metalloproteinases and stimulate angiogenesis in vivo in Matrigel implants. Leukemia, 2002, 16, 1160-1166.	7.2	84
11	A Novel Soluble ACE2 Variant with Prolonged Duration of Action Neutralizes SARS-CoV-2 Infection in Human Kidney Organoids. Journal of the American Society of Nephrology: JASN, 2021, 32, 795-803.	6.1	82
12	BCR-ABLâ€“induced adhesion defects are tyrosine kinaseâ€“independent. Blood, 2002, 99, 4122-4130.	1.4	69
13	Essential design considerations for the resazurin reduction assay to noninvasively quantify cell expansion within perfused extracellular matrix scaffolds. Biomaterials, 2017, 129, 163-175.	11.4	62
14	(Re)Building a Kidney. Journal of the American Society of Nephrology: JASN, 2017, 28, 1370-1378.	6.1	58
15	Localization of BCR-ABL to F-actin regulates cell adhesion but does not attenuate CML development. Blood, 2003, 102, 2220-2228.	1.4	51
16	New strategies in kidney regeneration and tissue engineering. Current Opinion in Nephrology and Hypertension, 2014, 23, 399-405.	2.0	49
17	Poly(ethylene glycol)-crosslinked gelatin hydrogel substrates with conjugated bioactive peptides influence endothelial cell behavior. Biomaterials, 2019, 201, 99-112.	11.4	47
18	Investigating the Potential of Amnion-Based Scaffolds as a Barrier Membrane for Guided Bone Regeneration. Langmuir, 2015, 31, 8642-8653.	3.5	44

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19	Targeting Heparin to Collagen within Extracellular Matrix Significantly Reduces Thrombogenicity and Improves Endothelialization of Decellularized Tissues. Biomacromolecules, 2016, 17, 3940-3948.	5.4	44
20	Kidney decellularized extracellular matrix hydrogels: Rheological characterization and human glomerular endothelial cell response to encapsulation. Journal of Biomedical Materials Research - Part A, 2018, 106, 2448-2462.	4.0	44
21	Structure-Dependent Biodistribution of Liposomal Spherical Nucleic Acids. ACS Nano, 2020, 14, 1682-1693.	14.6	43
22	Dual-Purpose Bioreactors to Monitor Noninvasive Physical and Biochemical Markers of Kidney and Liver Scaffold Recellularization. Tissue Engineering - Part C: Methods, 2015, 21, 1032-1043.	2.1	41
23	Vascular scaffolds with enhanced antioxidant activity inhibit graft calcification. Biomaterials, 2017, 144, 166-175.	11.4	41
24	Challenging Regeneration to Transform Medicine. Stem Cells Translational Medicine, 2016, 5, 1-7.	3.3	37
25	The biology of chronic myelogenous leukemia:mouse models and cell adhesion. Oncogene, 2002, 21, 8612-8628.	5.9	35
26	Ascites after liver transplantation?A mystery. Liver Transplantation, 2004, 10, 654-660.	2.4	35
27	Bioreactor design for perfusion-based, highly vascularized organ regeneration. Current Opinion in Chemical Engineering, 2013, 2, 32-40.	7.8	34
28	Cellular therapy and bioartificial approaches to liver replacement. Current Opinion in Organ Transplantation, 2012, 17, 235-240.	1.6	32
29	A polymerâ€“extracellular matrix composite with improved thromboresistance and recellularization properties. Acta Biomaterialia, 2015, 18, 50-58.	8.3	30
30	Collagen-I and fibronectin modified three-dimensional electrospun PLGA scaffolds for long-term in vitro maintenance of functional hepatocytes. Materials Science and Engineering C, 2020, 111, 110723.	7.3	27
31	Hepatic tristetraprolin promotes insulin resistance through RNA destabilization of FGF21. JCI Insight, 2018, 3, .	5.0	25
32	Asynchronous mixing of kidney progenitor cells potentiates nephrogenesis in organoids. Communications Biology, 2020, 3, 231.	4.4	24
33	Residual sodium dodecyl sulfate in decellularized muscle matrices leads to fibroblast activation in vitro and foreign body response in vivo. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1704-e1715.	2.7	23
34	Bioengineering Priorities on a Path to Ending Organ Shortage. Current Stem Cell Reports, 2016, 2, 118-127.	1.6	22
35	Impact of Donor Kidney Recovery Method on Lymphatic Complications in Kidney Transplantation. Transplantation Proceedings, 2008, 40, 1054-1055.	0.6	19
36	Dual Toll-Like Receptor Targeting Liposomal Spherical Nucleic Acids. Bioconjugate Chemistry, 2019, 30, 944-951.	3.6	18

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37	Mechanocompatible Polymerâ€Extracellularâ€Matrix Composites for Vascular Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1594-1605.	7.6	17
38	SIRT1 Overexpression Maintains Cell Phenotype and Function of Endothelial Cells Derived from Induced Pluripotent Stem Cells. Stem Cells and Development, 2015, 24, 2740-2745.	2.1	16
39	New Tools in Experimental Cellular Therapy for the Treatment of Liver Diseases. Current Transplantation Reports, 2015, 2, 202-210.	2.0	12
40	Chapter 3: Decellularized Scaffolds: Concepts, Methodologies, and Applications in Cardiac Tissue Engineering and Whole-Organ Regeneration. Frontiers in Nanobiomedical Research, 2014, , 77-124.	0.1	8
41	Epithelial Cell Repopulation and Preparation of Rodent Extracellular Matrix Scaffolds for Renal Tissue Development. Journal of Visualized Experiments, 2015, , e53271.	0.3	7
42	Clinical Implications of Basic Science Discoveries: Induced Pluripotent Stem Cell Therapy in Transplantationâ€"A Potential Role for Immunologic Tolerance. American Journal of Transplantation, 2015, 15, 887-890.	4.7	5
43	Challenges, highlights, and opportunities in cellular transplantation: A white paper of the current landscape. American Journal of Transplantation, 2021, 21, 3225-3238.	4.7	5
44	The Regeneration ofOrganogenesis. Organogenesis, 2013, 9, 1-2.	1.2	4
45	Novel technology for liver regeneration and replacement. Liver Transplantation, 2016, 22, 41-46.	2.4	4
46	An efficient method to generate kidney organoids at the air-liquid interface. Journal of Biological Methods, 2021, 8, e150.	0.6	4
47	Polymerâ€drug conjugates: Manipulation of drug delivery kinetics. Macromolecular Symposia, 1997, 123, 225-234.	0.7	2
48	Tissue Engineering: Mechanocompatible Polymerâ€Extracellularâ€Matrix Composites for Vascular Tissue Engineering (Adv. Healthcare Mater. 13/2016). Advanced Healthcare Materials, 2016, 5, 1593-1593.	7.6	1
49	Taking the Next Step: a Neural Coaptation Orthotopic Hind Limb Transplant Model to Maximize Functional Recovery in Rat. Journal of Visualized Experiments, 2020, , .	0.3	0
50	Bioengineered 3D electrospun nanofibrous scaffold with human liver cells to study alcoholic liver disease in vitro. Integrative Biology (United Kingdom), 2021, 13, 184-195.	1.3	0