

Improved tissue cryopreservation using inductive heat

Science Translational Medicine

9,

DOI: [10.1126/scitranslmed.aah4586](https://doi.org/10.1126/scitranslmed.aah4586)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Cryoprotectants: A review of the actions and applications of cryoprotective solutes that modulate cell recovery from ultra-low temperatures. <i>Cryobiology</i> , 2017, 76, 74-91.	0.3	339
2	Size-Dependent Heating of Magnetic Iron Oxide Nanoparticles. <i>ACS Nano</i> , 2017, 11, 6808-6816.	7.3	299
3	The promise of organ and tissue preservation to transform medicine. <i>Nature Biotechnology</i> , 2017, 35, 530-542.	9.4	371
4	Thermo-responsive mesoporous silica/lipid bilayer hybrid nanoparticles for doxorubicin on-demand delivery and reduced premature release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 527-534.	2.5	28
5	Buying time for transplants. <i>Nature Biotechnology</i> , 2017, 35, 801-801.	9.4	15
6	Maintaining viability and characteristics of cholangiocarcinoma tissue by vitrification-based cryopreservation. <i>Cryobiology</i> , 2017, 78, 41-46.	0.3	5
8	Cryopreservation aims to engineer novel ways to freeze, store, and thaw organs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13060-13062.	3.3	16
9	Scalable Production and Cryostorage of Organoids Using Core-Shell Decoupled Hydrogel Capsules. <i>Advanced Biology</i> , 2017, 1, 1700165.	3.0	38
10	Facile Synthesis and Special Phase Transformation of Hydrophilic Iron Oxides Nanoparticles. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-5.	1.5	3
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12	Biomaterial scaffolds for non-invasive focal hyperthermia as a potential tool to ablate metastatic cancer cells. <i>Biomaterials</i> , 2018, 166, 27-37.	5.7	23
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14	Near-infrared laser mediated modulation of ice crystallization by two-dimensional nanosheets enables high-survival recovery of biological cells from cryogenic temperatures. <i>Nanoscale</i> , 2018, 10, 11760-11774.	2.8	33
15	Droplet based vitrification for cell aggregates: Numerical analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 82, 383-393.	1.5	7
16	A toxicity cost function approach to optimal CPA equilibration in tissues. <i>Cryobiology</i> , 2018, 80, 144-155.	0.3	35
17	Physical and Chemical Enhancement of and Adaptive Resistance to Irreversible Electroporation of Pancreatic Cancer. <i>Annals of Biomedical Engineering</i> , 2018, 46, 25-36.	1.3	16
18	The bridge between transplantation and regenerative medicine: Beginning a new Banff classification of tissue engineering pathology. <i>American Journal of Transplantation</i> , 2018, 18, 321-327.	2.6	15
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