

Alice Anna Tomei

List of Publications by Year in descending order

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27
papers

1,905
citations

516710

16
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

3117
citing authors

#	ARTICLE	IF	CITATIONS
1	Autologous Chemotaxis as a Mechanism of Tumor Cell Homing to Lymphatics via Interstitial Flow and Autocrine CCR7 Signaling. <i>Cancer Cell</i> , 2007, 11, 526-538.	16.8	483
2	Induction of Lymphoidlike Stroma and Immune Escape by Tumors That Express the Chemokine CCL21. <i>Science</i> , 2010, 328, 749-752.	12.6	429
3	Device design and materials optimization of conformal coating for islets of Langerhans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10514-10519.	7.1	167
4	Fluid Flow Regulates Stromal Cell Organization and CCL21 Expression in a Tissue-Engineered Lymph Node Microenvironment. <i>Journal of Immunology</i> , 2009, 183, 4273-4283.	0.8	122
5	Nano-sized drug-loaded micelles deliver payload to lymph node immune cells and prolong allograft survival. <i>Journal of Controlled Release</i> , 2011, 156, 154-160.	9.9	90
6	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	1.0	72
7	Conformal Coating of Stem Cell-Derived Islets for β Cell Replacement in Type 1 Diabetes. <i>Stem Cell Reports</i> , 2020, 14, 91-104.	4.8	68
8	Physiological 3D tissue model of the airway wall and mucosa. <i>Nature Protocols</i> , 2006, 1, 357-362.	12.0	64
9	Glucose-stimulated insulin release: Parallel perfusion studies of free and hydrogel encapsulated human pancreatic islets. <i>Biotechnology and Bioengineering</i> , 2018, 115, 232-245.	3.3	62
10	Fibrin gels engineered with pro-angiogenic growth factors promote engraftment of pancreatic islets in extrahepatic sites in mice. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1916-1926.	3.3	56
11	Development of an encapsulated stem cell-based therapy for diabetes. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 1321-1336.	3.1	54
12	Immunoisolation of murine islet allografts in vascularized sites through conformal coating with polyethylene glycol. <i>American Journal of Transplantation</i> , 2018, 18, 590-603.	4.7	53
13	Effects of Composition of Alginate-Polyethylene Glycol Microcapsules and Transplant Site on Encapsulated Islet Graft Outcomes in Mice. <i>Transplantation</i> , 2017, 101, 1025-1035.	1.0	43
14	3D collagen cultures under well-defined dynamic strain: A novel strain device with a porous elastomeric support. <i>Biotechnology and Bioengineering</i> , 2009, 103, 217-225.	3.3	35
15	Characterization of Polyethylene Glycol-Reinforced Alginate Microcapsules for Mechanically Stable Cell Immunoisolation. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800679.	3.6	17
16	Effects of dynamic compression on lentiviral transduction in an in vitro airway wall model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L79-L86.	2.9	16
17	CCL21 Expression in β -Cells Induces Antigen-Expressing Stromal Cell Networks in the Pancreas and Prevents Autoimmune Diabetes in Mice. <i>Diabetes</i> , 2019, 68, 1990-2003.	0.6	14
18	Engineering Confined and Prevascularized Sites for Islet Transplantation. <i>Transplantation</i> , 2018, 102, 1793-1794.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Performance of islets of Langerhans conformally coated via an emulsion cross-linking method in diabetic rodents and nonhuman primates. <i>Science Advances</i> , 2022, 8, .	10.3	9
20	Drug-Integrating Amphiphilic Nanomaterial Assemblies: 1. Spatiotemporal control of cyclosporine delivery and activity using nanomicelles and nanofibrils. <i>Journal of Controlled Release</i> , 2021, 329, 955-970.	9.9	8
21	Detergent-Free Decellularization of the Human Pancreas for Soluble Extracellular Matrix (ECM) Production. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	7
22	Engineering human renal epithelial cells for transplantation in regenerative medicine. <i>Medical Engineering and Physics</i> , 2017, 48, 3-13.	1.7	5
23	Tissue-Engineered Stromal Reticula to Study Lymph Node Fibroblastic Reticular Cells in Type I Diabetes. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 419-434.	2.1	5
24	Smoothed Particle Hydrodynamics multiphase modelling of an experimental microfluidic device for conformal coating of pancreatic islets. <i>Medical Engineering and Physics</i> , 2020, 77, 19-30.	1.7	4
25	Parallel Evaluation of Polyethylene Glycol Conformal Coating and Alginate Microencapsulation as Immunoisolation Strategies for Pancreatic Islet Transplantation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	4.1	4
26	CCL21 and beta-cell antigen releasing hydrogels as tolerance-inducing therapy in Type I diabetes. <i>Journal of Controlled Release</i> , 2022, 348, 499-517.	9.9	3
27	Conformal coating. , 2020, , 291-306.		1