

Luca Urbani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4783826/publications.pdf>

Version: 2024-02-01

56
papers

2,609
citations

201385

27
h-index

189595

50
g-index

58
all docs

58
docs citations

58
times ranked

4143
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring tissue engineered constructs and protocols with laboratory-based x-ray phase contrast tomography. <i>Acta Biomaterialia</i> , 2022, 141, 290-299.	4.1	10
2	A Perfusion Bioreactor for Longitudinal Monitoring of Bioengineered Liver Constructs. <i>Nanomaterials</i> , 2021, 11, 275.	1.9	12
3	Interplay between Cellular and Non-Cellular Components of the Tumour Microenvironment in Hepatocellular Carcinoma. <i>Cancers</i> , 2021, 13, 5586.	1.7	13
4	Immunomodulatory Role of the Extracellular Matrix Within the Liver Disease Microenvironment. <i>Frontiers in Immunology</i> , 2020, 11, 574276.	2.2	73
5	Recellularized Colorectal Cancer Patient-Derived Scaffolds as In Vitro Pre-Clinical 3D Model for Drug Screening. <i>Cancers</i> , 2020, 12, 681.	1.7	32
6	Patient-Derived Scaffolds of Colorectal Cancer Metastases as an Organotypic 3D Model of the Liver Metastatic Microenvironment. <i>Cancers</i> , 2020, 12, 364.	1.7	44
7	In Utero Gene Therapy (IUGT) Using GLOBE Lentiviral Vector Phenotypically Corrects the Heterozygous Humanised Mouse Model and Its Progress Can Be Monitored Using MRI Techniques. <i>Scientific Reports</i> , 2019, 9, 11592.	1.6	15
8	THU-087-A 3-dimensional dynamic model to explore the immunomodulatory properties of the extracellular matrix and their implications in liver fibrosis. <i>Journal of Hepatology</i> , 2019, 70, e199.	1.8	0
9	Allogenic tissue-specific decellularized scaffolds promote long-term muscle innervation and functional recovery in a surgical diaphragmatic hernia model. <i>Acta Biomaterialia</i> , 2019, 89, 115-125.	4.1	24
10	Monochromatic Propagation-Based Phase-Contrast Microscale Computed-Tomography System with a Rotating-Anode Source. <i>Physical Review Applied</i> , 2019, 11, .	1.5	20
11	Generation of a Functioning and Self-Renewing Diaphragmatic Muscle Construct. <i>Stem Cells Translational Medicine</i> , 2019, 8, 858-869.	1.6	27
12	Extracellular matrix hydrogel derived from decellularized tissues enables endodermal organoid culture. <i>Nature Communications</i> , 2019, 10, 5658.	5.8	281
13	Non-Invasive Longitudinal Bioluminescence Imaging of Human Mesoangioblasts in Bioengineered Esophagi. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 103-113.	1.1	6
14	Long-Term Hematopoietic Engraftment of Congenic Amniotic Fluid Stem Cells After in Utero Intraperitoneal Transplantation to Immune Competent Mice. <i>Stem Cells and Development</i> , 2018, 27, 515-523.	1.1	10
15	Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. <i>Journal of Cellular Physiology</i> , 2018, 233, 5937-5948.	2.0	61
16	Preservation over time of dried acellular esophageal matrix. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 065021.	0.6	7
17	Multi-stage bioengineering of a layered oesophagus with in vitro expanded muscle and epithelial adult progenitors. <i>Nature Communications</i> , 2018, 9, 4286.	5.8	74
18	Decellularised skeletal muscles allow functional muscle regeneration by promoting host cell migration. <i>Scientific Reports</i> , 2018, 8, 8398.	1.6	57

#	ARTICLE	IF	CITATIONS
19	Decellularized Diaphragmatic Muscle Drives a Constructive Angiogenic Response In Vivo. International Journal of Molecular Sciences, 2018, 19, 1319.	1.8	24
20	Vacuum-assisted decellularization: an accelerated protocol to generate tissue-engineered human tracheal scaffolds. Biomaterials, 2017, 124, 95-105.	5.7	70
21	Decellularized material as scaffolds for tissue engineering studies in long gap esophageal atresia. Expert Opinion on Biological Therapy, 2017, 17, 573-584.	1.4	20
22	Rapid production of human liver scaffolds for functional tissue engineering by high shear stress oscillation-decellularization. Scientific Reports, 2017, 7, 5534.	1.6	79
23	A comparison of tracheal scaffold strategies for pediatric transplantation in a rabbit model. Laryngoscope, 2017, 127, E449-E457.	1.1	31
24	Single-Shot X-Ray Phase-Contrast Computed Tomography with Nonmicrofocal Laboratory Sources. Physical Review Applied, 2017, 7, .	1.5	31
25	Long-term cryopreservation of decellularised oesophagi for tissue engineering clinical application. PLoS ONE, 2017, 12, e0179341.	1.1	51
26	Optimization of Liver Decellularization Maintains Extracellular Matrix Micro-Architecture and Composition Predisposing to Effective Cell Seeding. PLoS ONE, 2016, 11, e0155324.	1.1	69
27	The Human Pancreas as a Source of Protolerogenic Extracellular Matrix Scaffold for a New-generation Bioartificial Endocrine Pancreas. Annals of Surgery, 2016, 264, 169-179.	2.1	111
28	Isolation and Expansion of Muscle Precursor Cells from Human Skeletal Muscle Biopsies. Methods in Molecular Biology, 2016, 1516, 195-204.	0.4	10
29	Dry acellular oesophageal matrix prepared by supercritical carbon dioxide. Journal of Supercritical Fluids, 2016, 115, 33-41.	1.6	28
30	Engineered Tissueâ€“Stent Biocomposites as Tracheal Replacements. Tissue Engineering - Part A, 2016, 22, 1086-1097.	1.6	30
31	Increased robustness and speed in low-dose phase-contrast tomography with laboratory sources. Proceedings of SPIE, 2016, , .	0.8	0
32	Robust phase retrieval for high resolution edge illumination x-ray phase-contrast computed tomography in non-ideal environments. Scientific Reports, 2016, 6, 31197.	1.6	19
33	Amyloid persistence in decellularized liver: biochemical and histopathological characterization. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2016, 23, 1-7.	1.4	25
34	Rapid Expansion of Human Epithelial Stem Cells Suitable for Airway Tissue Engineering. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 156-168.	2.5	169
35	Improvement of diaphragmatic performance through orthotopic application of decellularized extracellular matrix patch. Biomaterials, 2016, 74, 245-255.	5.7	62
36	Endothelial properties of third-trimester amniotic fluid stem cells cultured in hypoxia. Stem Cell Research and Therapy, 2015, 6, 209.	2.4	31

#	ARTICLE	IF	CITATIONS
37	Decellularized human liver as a natural 3D-scaffold for liver bioengineering and transplantation. <i>Scientific Reports</i> , 2015, 5, 13079.	1.6	332
38	ECM-Like Scaffolds: Nature Drives Research. <i>BioMed Research International</i> , 2014, 2014, 1-2.	0.9	0
39	Tissue Engineered Scaffolds for an Effective Healing and Regeneration: Reviewing Orthotopic Studies. <i>BioMed Research International</i> , 2014, 2014, 1-27.	0.9	23
40	Isolation of esophageal stem cells with potential for therapy. <i>Pediatric Surgery International</i> , 2014, 30, 1249-1256.	0.6	8
41	Organ bioengineering for the newborn. <i>Seminars in Pediatric Surgery</i> , 2014, 23, 314-323.	0.5	2
42	Correction of Hemoglobin Levels in a Heterozygous Humanized Mouse Model of Thalassemia after Fetal Gene Therapy. <i>Blood</i> , 2014, 124, 3495-3495.	0.6	0
43	Quinazoline-based multi-tyrosine kinase inhibitors: Synthesis, modeling, antitumor and antiangiogenic properties. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 373-383.	2.6	59
44	Skeletal Muscle Tissue Engineering: Which Cell to Use?. <i>Tissue Engineering - Part B: Reviews</i> , 2013, 19, 503-515.	2.5	58
45	Cell metabolism sets the differences between subpopulations of satellite cells (SCs). <i>BMC Cell Biology</i> , 2013, 14, 24.	3.0	6
46	Single-cell PCR analysis of murine embryonic stem cells cultured on different substrates highlights heterogeneous expression of stem cell markers. <i>Biology of the Cell</i> , 2013, 105, 549-560.	0.7	6
47	Immunomodulatory effect of a decellularized skeletal muscle scaffold in a discordant xenotransplantation model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14360-14365.	3.3	176
48	Amniotic Fluid Stem Cells Restore the Muscle Cell Niche in a <i>HSA^{Cre}</i> , <i>Smn^{F7/F7}</i> Mouse Model. <i>Stem Cells</i> , 2012, 30, 1675-1684.	1.4	61
49	New Vandetanib analogs: fused tricyclic quinazolines with antiangiogenic potential. <i>Investigational New Drugs</i> , 2012, 30, 594-603.	1.2	7
50	Hypoxia Increases Mouse Satellite Cell Clone Proliferation Maintaining both In Vitro and In Vivo Heterogeneity and Myogenic Potential. <i>PLoS ONE</i> , 2012, 7, e49860.	1.1	36
51	In vitro and in vivo pro-angiogenic effects of thymosin- β ²⁴ -derived peptides. <i>Cellular Immunology</i> , 2011, 271, 299-307.	1.4	8
52	Synthesis, in vitro and in vivo preliminary evaluation of anti-angiogenic properties of some pyrroloazaflavones. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 448-457.	1.4	10
53	Effects on <i>in vitro</i> and <i>in vivo</i> angiogenesis induced by small peptides carrying adhesion sequences. <i>Journal of Peptide Science</i> , 2010, 16, 349-357.	0.8	26
54	Exploring Epidermal Growth Factor Receptor (EGFR) Inhibitor Features: The Role of Fused Dioxxygenated Rings on the Quinazoline Scaffold. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1862-1866.	2.9	51

#	ARTICLE	IF	CITATIONS
55	Structural and morphologic evaluation of a novel detergentâ€“enzymatic tissue-engineered tracheal tubular matrix. Journal of Thoracic and Cardiovascular Surgery, 2009, 138, 586-593.	0.4	114
56	Long-term maintenance of dried acellular matrices. , 0, , .		0