Sinan Guven

List of Publications by Year
in descending order

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39 papers	2,448 citations	331259 21 h-index	433756 31 g-index
40 all docs	40 docs citations	40 times ranked	3628 citing authors

#	Article	IF	Citations
1	Current methodology and cell sources for lacrimal gland tissue engineering. Experimental Eye Research, 2022, , 109138.	1.2	2
2	Microvascular Networks and Models: In Vitro Formation. Reference Series in Biomedical Engineering, 2021, , 345-383.	0.1	1
3	Stem cells: sources, properties, and cell types. , 2020, , 177-196.		6
4	Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment. , 2018, , 463-494.		9
5	Microvascular Networks and Models, In vitro Formation. , 2018, , 1-40.		0
6	Tissue Engineering of 3D Organotypic Microtissues by Acoustic Assembly. Methods in Molecular Biology, 2017, 1576, 301-312.	0.4	12
7	Cell-Encapsulating Hydrogels for Biosensing. , 2016, , 327-356.		2
8	Dynamic Microenvironment Induces Phenotypic Plasticity of Esophageal Cancer Cells Under Flow. Scientific Reports, 2016, 6, 38221.	1.6	32
9	A Bioâ€Acoustic Levitational (BAL) Assembly Method for Engineering of Multilayered, 3D Brainâ€Like Constructs, Using Human Embryonic Stem Cell Derived Neuroâ€Progenitors. Advanced Materials, 2016, 28, 161-167.	11.1	133
10	Implantation of Stromal Vascular Fraction Progenitors at Bone Fracture Sites: From a Rat Model to a First-in-Man Study. Stem Cells, 2016, 34, 2956-2966.	1.4	63
11	Characterization of vasculogenic potential of human adipose-derived endothelial cells in a three-dimensional vascularized skin substitute. Pediatric Surgery International, 2016, 32, 17-27.	0.6	63
12	Towards artificial tissue models: past, present, and future of 3D bioprinting. Biofabrication, 2016, 8, 014103.	3.7	231
13	Recapitulating cranial osteogenesis with neural crest cells in 3-D microenvironments. Acta Biomaterialia, 2016, 31, 301-311.	4.1	9
14	Biotunable Acoustic Node Assembly of Organoids. Advanced Healthcare Materials, 2015, 4, 1937-1943.	3.9	90
15	Engraftment of Prevascularized, Tissue Engineered Constructs in a Novel Rabbit Segmental Bone Defect Model. International Journal of Molecular Sciences, 2015, 16, 12616-12630.	1.8	31
16	Biomaterials: Magnetic Levitational Assembly for Living Material Fabrication (Adv. Healthcare Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	2
17	Functional Maintenance of Differentiated Embryoid Bodies in Microfluidic Systems: A Platform for Personalized Medicine. Stem Cells Translational Medicine, 2015, 4, 261-268.	1.6	16
18	Deformation of a single mouse oocyte in a constricted microfluidic channel. Microfluidics and Nanofluidics, 2015, 19, 883-890.	1.0	44

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19	Magnetic levitation of single cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3661-8.	3.3	192
20	Multiscale assembly for tissue engineering and regenerative medicine. Trends in Biotechnology, 2015, 33, 269-279.	4.9	162
21	Magnetic Levitational Assembly for Living Material Fabrication. Advanced Healthcare Materials, 2015, 4, 1469-1476.	3.9	84
22	Human IPSC-derived steroidogenic cells maintain endocrine function with extended culture in a microfluidic chip system. Fertility and Sterility, 2015, 104, e73.	0.5	2
23	Bioâ€Inspired Cryoâ€Ink Preserves Red Blood Cell Phenotype and Function During Nanoliter Vitrification. Advanced Materials, 2014, 26, 5815-5822.	11.1	39
24	Microscale Assembly: Microscale Assembly Directed by Liquid-Based Template (Adv. Mater. 34/2014). Advanced Materials, 2014, 26, 6044-6044.	11.1	1
25	Untethered micro-robotic coding of three-dimensional material composition. Nature Communications, 2014, 5, 3124.	5.8	241
26	Guided and magnetic self-assembly of tunable magnetoceptive gels. Nature Communications, 2014, 5, 4702.	5.8	137
27	Evaluation of Epithelial Chimerism After Bone Marrow Mesenchymal Stromal Cell Infusion in Intestinal Transplant Patients. Transplantation Proceedings, 2014, 46, 2125-2132.	0.3	6
28	Microscale Assembly Directed by Liquidâ€Based Template. Advanced Materials, 2014, 26, 5936-5941.	11.1	111
29	Tissue-engineered dermo-epidermal skin grafts prevascularized with adipose-derived cells. Biomaterials, 2014, 35, 5065-5078.	5.7	136
30	Osteogenic graft vascularization and bone resorption by VEGF-expressing human mesenchymal progenitors. Biomaterials, 2013, 34, 5025-5035.	5.7	77
31	Paramagnetic Levitational Assembly of Hydrogels. Advanced Materials, 2013, 25, 1137-1143.	11.1	77
32	In Vitro Three-Dimensional Cancer Culture Models. , 2013, , 635-665.		7
33	Integrating nanoscale technologies with cryogenics: a step towards improved biopreservation. Nanomedicine, 2012, 7, 1787-1789.	1.7	12
34	Validation of an Automated Procedure to Isolate Human Adipose Tissueâ€“Derived Cells by Using the Sepax^{Â®} Technology. Tissue Engineering - Part C: Methods, 2012, 18, 575-582.	1.1	62
35	Intraoperative engineering of osteogenic grafts combining freshly harvested, human adipose-derived cells and physiological doses of bone morphogenetic protein-2. , 2012, 24, 308-319.		54
36	Engineering of large osteogenic grafts with rapid engraftment capacity using mesenchymal and endothelial progenitors from human adipose tissue. Biomaterials, 2011, 32, 5801-5809.	5.7	92

#	Article	IF	Citations
37	A 3D in vitro bone organ model using human progenitor cells. , 2011, 21, 445-458.		85
38	A Novel Three-Dimensional Culture System Allows Prolonged Culture of Functional Human Granulosa Cells and Mimics the Ovarian Environment. Tissue Engineering - Part A, 2010, 16, 2063-2073.	1.6	25
39	Towards an intraoperative engineering of osteogenic and vasculogenic grafts from the stromal vascular fraction of human adipose tissue. , 2010, 19, 127-135.		100