

Sinan Guven

List of Publications by Year in descending order

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Version: 2024-02-01

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	Untethered micro-robotic coding of three-dimensional material composition. Nature Communications, 2014, 5, 3124.	5.8	241
2	Towards artificial tissue models: past, present, and future of 3D bioprinting. Biofabrication, 2016, 8, 014103.	3.7	231
3	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
4	Multiscale assembly for tissue engineering and regenerative medicine. Trends in Biotechnology, 2015, 33, 269-279.	4.9	162
5	Guided and magnetic self-assembly of tunable magnetoceptive gels. Nature Communications, 2014, 5, 4702.	5.8	137
6	Tissue-engineered dermo-epidermal skin grafts prevascularized with adipose-derived cells. Biomaterials, 2014, 35, 5065-5078.	5.7	136
7	A Bioacoustic Levitational (BAL) Assembly Method for Engineering of Multilayered, 3D Brain-Like Constructs, Using Human Embryonic Stem Cell Derived Neuroprogenitors. Advanced Materials, 2016, 28, 161-167.	11.1	133
8	Microscale Assembly Directed by Liquid-Based Template. Advanced Materials, 2014, 26, 5936-5941.	11.1	111
9	Towards an intraoperative engineering of osteogenic and vasculogenic grafts from the stromal vascular fraction of human adipose tissue. , 2010, 19, 127-135.		100
10	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
11	Biotunable Acoustic Node Assembly of Organoids. Advanced Healthcare Materials, 2015, 4, 1937-1943.	3.9	90
12	A 3D in vitro bone organ model using human progenitor cells. , 2011, 21, 445-458.		85
13	Magnetic Levitational Assembly for Living Material Fabrication. Advanced Healthcare Materials, 2015, 4, 1469-1476.	3.9	84
14	Osteogenic graft vascularization and bone resorption by VEGF-expressing human mesenchymal progenitors. Biomaterials, 2013, 34, 5025-5035.	5.7	77
15	Paramagnetic Levitational Assembly of Hydrogels. Advanced Materials, 2013, 25, 1137-1143.	11.1	77
16	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
17	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
18	Validation of an Automated Procedure to Isolate Human Adipose Tissue-Derived Cells by Using the Sepax Technology. Tissue Engineering - Part C: Methods, 2012, 18, 575-582.	1.1	62

#	ARTICLE	IF	CITATIONS
19	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
20	Deformation of a single mouse oocyte in a constricted microfluidic channel. Microfluidics and Nanofluidics, 2015, 19, 883-890.	1.0	44
21	Bio-Inspired Cryo-Ink Preserves Red Blood Cell Phenotype and Function During Nanoliter Vitrification. Advanced Materials, 2014, 26, 5815-5822.	11.1	39
22	Dynamic Microenvironment Induces Phenotypic Plasticity of Esophageal Cancer Cells Under Flow. Scientific Reports, 2016, 6, 38221.	1.6	32
23	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
24	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
25	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
26	Integrating nanoscale technologies with cryogenics: a step towards improved biopreservation. Nanomedicine, 2012, 7, 1787-1789.	1.7	12
27	Tissue Engineering of 3D Organotypic Microtissues by Acoustic Assembly. Methods in Molecular Biology, 2017, 1576, 301-312.	0.4	12
28	Recapitulating cranial osteogenesis with neural crest cells in 3-D microenvironments. Acta Biomaterialia, 2016, 31, 301-311.	4.1	9
29	Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment. , 2018, , 463-494.		9
30	In Vitro Three-Dimensional Cancer Culture Models. , 2013, , 635-665.		7
31	Evaluation of Epithelial Chimerism After Bone Marrow Mesenchymal Stromal Cell Infusion in Intestinal Transplant Patients. Transplantation Proceedings, 2014, 46, 2125-2132.	0.3	6
32	Stem cells: sources, properties, and cell types. , 2020, , 177-196.		6
33	Biomaterials: Magnetic Levitational Assembly for Living Material Fabrication (Adv. Healthcare Mater.) Tj ETQq1 1 0.784314 rgBT /Overbor 3,9		2
34	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
35	Cell-Encapsulating Hydrogels for Biosensing. , 2016, , 327-356.		2
36	Current methodology and cell sources for lacrimal gland tissue engineering. Experimental Eye Research, 2022, , 109138.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Microscale Assembly: Microscale Assembly Directed by Liquid-Based Template (Adv. Mater. 34/2014). Advanced Materials, 2014, 26, 6044-6044.	11.1	1
38	Microvascular Networks and Models: In Vitro Formation. Reference Series in Biomedical Engineering, 2021, , 345-383.	0.1	1
39	Microvascular Networks and Models, In vitro Formation. , 2018, , 1-40.		0