Ander Abarrategi

List of Publications by Year
in descending order

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		257101	315357
39	2,429	24	38
papers	citations	h-index	g-index

39	39	39	4416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiwall carbon nanotube scaffolds for tissue engineering purposes. Biomaterials, 2008, 29, 94-102.	5.7	402
2	Titanium Coatings and Surface Modifications: Toward Clinically Useful Bioactive Implants. ACS Biomaterials Science and Engineering, 2017, 3, 1245-1261.	2.6	234
3	Increased Vascular Permeability in the Bone Marrow Microenvironment Contributes to Disease Progression and Drug Response in Acute Myeloid Leukemia. Cancer Cell, 2017, 32, 324-341.e6.	7.7	179
4	Osteosarcoma: Cells-of-Origin, Cancer Stem Cells, and Targeted Therapies. Stem Cells International, 2016, 2016, 1-13.	1.2	164
5	Bone microenvironment signals in osteosarcoma development. Cellular and Molecular Life Sciences, 2015, 72, 3097-3113.	2.4	147
6	Tissue-Specific Decellularization Methods: Rationale and Strategies to Achieve Regenerative Compounds. International Journal of Molecular Sciences, 2020, 21, 5447.	1.8	145
7	Modeling the human bone marrow niche in mice: From host bone marrow engraftment to bioengineering approaches. Journal of Experimental Medicine, 2018, 215, 729-743.	4.2	91
8	Bone Environment is Essential for Osteosarcoma Development from Transformed Mesenchymal Stem Cells. Stem Cells, 2014, 32, 1136-1148.	1.4	89
9	Versatile humanized niche model enables study of normal and malignant human hematopoiesis. Journal of Clinical Investigation, 2017, 127, 543-548.	3.9	82
10	Chitosan scaffolds for osteochondral tissue regeneration. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1132-1141.	2.1	81
11	Biological Properties of Solid Free Form Designed Ceramic Scaffolds with BMP-2: In Vitro and In Vivo Evaluation. PLoS ONE, 2012, 7, e34117.	1.1	76
12	Cancer stem cells and cisplatinâ€resistant cells isolated from nonâ€smallâ€lung cancer cell lines constitute related cell populations. Cancer Medicine, 2014, 3, 1099-1111.	1.3	66
13	Chitosan Film as rhBMP2 Carrier: Delivery Properties for Bone Tissue Application. Biomacromolecules, 2008, 9, 711-718.	2.6	50
14	Improvement of Porous Î²-TCP Scaffolds with rhBMP-2 Chitosan Carrier Film for Bone Tissue Application. Tissue Engineering - Part A, 2008, 14, 1305-1319.	1.6	50
15	Mesenchymal niche remodeling impairs hematopoiesis via stanniocalcin 1 in acute myeloid leukemia. Journal of Clinical Investigation, 2020, 130, 3038-3050.	3.9	48
16	In vivo comparison of the effects of RHBMP-2 and RHBMP-4 in osteochondral tissue regeneration. , 2010, 20, 367-378.		47
17	Adipose-derived stem cells and platelet-rich plasma for preventive treatment of bisphosphonate-related osteonecrosis of the jaw in a murine model. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1161-1168.	0.7	45
18	Use of rhBMP-2 Activated Chitosan Films To Improve Osseointegration. Biomacromolecules, 2006, 7, 792-798.	2.6	44

#	Article	IF	Citations
19	Clonal dynamics in osteosarcoma defined by RGB marking. Nature Communications, 2018, 9, 3994.	5.8	40
20	The combination of CHK1 inhibitor with G-CSF overrides cytarabine resistance in human acute myeloid leukemia. Nature Communications, 2017, 8, 1679.	5.8	36
21	Urea assisted hydroxyapatite mineralization on MWCNT/CHI scaffolds. Journal of Materials Chemistry, 2008, 18, 5933.	6.7	35
22	Gene expression profile on chitosan/rhBMP-2 films: A novel osteoinductive coating for implantable materials. Acta Biomaterialia, 2009, 5, 2633-2646.	4.1	34
23	Preclinical modeling of myelodysplastic syndromes. Leukemia, 2017, 31, 2702-2708.	3.3	34
24	Chitosan Scaffolds Containing Calcium Phosphate Salts and rhBMP-2: In Vitro and In Vivo Testing for Bone Tissue Regeneration. PLoS ONE, 2014, 9, e87149.	1.1	28
25	Poly(ethylene glycol)-crosslinked N-methylene phosphonic chitosan. Preparation and characterization. Carbohydrate Polymers, 2006, 64, 328-336.	5.1	25
26	Ectopic Humanized Mesenchymal Niche in Mice Enables Robust Engraftment of Myelodysplastic Stem Cells. Blood Cancer Discovery, 2021, 2, 135-145.	2.6	21
27	Bioengineering of Humanized Bone Marrow Microenvironments in Mouse and Their Visualization by Live Imaging. Journal of Visualized Experiments, 2017, , .	0.2	16
28	Mesenchymal niches of bone marrow in cancer. Clinical and Translational Oncology, 2011, 13, 611-616.	1.2	14
29	Despite mutation acquisition in hematopoietic stem cells, JMML-propagating cells are not always restricted to this compartment. Leukemia, 2020, 34, 1658-1668.	3.3	14
30	Treg sensitivity to FasL and relative IL-2 deprivation drive idiopathic aplastic anemia immune dysfunction. Blood, 2020, 136, 885-897.	0.6	14
31	Integrated OMICs unveil the bone-marrow microenvironment in human leukemia. Cell Reports, 2021, 35, 109119.	2.9	14
32	c-Fos induces chondrogenic tumor formation in immortalized human mesenchymal progenitor cells. Scientific Reports, 2018, 8, 15615.	1.6	12
33	Role of Activator Protein-1 Complex on the Phenotype of Human Osteosarcomas Generated from Mesenchymal Stem Cells. Stem Cells, 2018, 36, 1487-1500.	1.4	11
34	In Vivo Ectopic Implantation Model to Assess Human Mesenchymal Progenitor Cell Potential. Stem Cell Reviews and Reports, 2013, 9, 833-846.	5.6	10
35	Label-free magnetic resonance imaging to locate live cells in three-dimensional porous scaffolds. Journal of the Royal Society Interface, 2012, 9, 2321-2331.	1.5	9
36	A Humanized Bone Niche Model Reveals Bone Tissue Preservation Upon Targeting Mitochondrial Complex I in Pseudo-Orthotopic Osteosarcoma. Journal of Clinical Medicine, 2019, 8, 2184.	1.0	8

#	Article	IF	Citations
37	Mesoporous titania coatings with carboxylated pores for complexation and slow delivery of strontium for osteogenic induction. Applied Surface Science, 2020, 510, 145172.	3.1	7
38	The Effect of Ca2+ and Mg2+ Ions Loaded at Degradable PLA Membranes on the Proliferation and Osteoinduction of MSCs. Polymers, 2022, 14, 2422.	2.0	5
39	Increased Vascular Permeability in the Bone Marrow Microenvironment Contributes to Acute Myeloid Leukemia Progression and Drug Response. Blood, 2016, 128, 2662-2662.	0.6	2