

Ulrich Blache

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

542
citations

686830

13
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing the secreted extracellular matrix to engineer tissues. Nature Biomedical Engineering, 2020, 4, 357-363.	11.6	62
2	Shear-stress sensing by PIEZO1 regulates tendon stiffness in rodents and influences jumping performance in humans. Nature Biomedical Engineering, 2021, 5, 1457-1471.	11.6	54
3	Dual Role of Mesenchymal Stem Cells Allows for Microvascularized Bone Tissue-Like Environments in PEG Hydrogels. Advanced Healthcare Materials, 2016, 5, 489-498.	3.9	51
4	Smart Hydrogels for the Augmentation of Bone Regeneration by Endogenous Mesenchymal Progenitor Cell Recruitment. Advanced Science, 2020, 7, 1903395.	5.6	46
5	Notch-Inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. EMBO Reports, 2018, 19, .	2.0	43
6	Inspired by Nature: Hydrogels as Versatile Tools for Vascular Engineering. Advances in Wound Care, 2018, 7, 232-246.	2.6	41
7	Mesenchymal stromal cell activation by breast cancer secretomes in bioengineered 3D microenvironments. Life Science Alliance, 2019, 2, e201900304.	1.3	37
8	Tendon response to matrix unloading is determined by the patho-physiological niche. Matrix Biology, 2020, 89, 11-26.	1.5	36
9	Tendon explant models for physiologically relevant <i>in vitro</i> study of tissue biology – a perspective. Connective Tissue Research, 2020, 61, 262-277.	1.1	34
10	Extracellular Matrix Production by Mesenchymal Stromal Cells in Hydrogels Facilitates Cell Spreading and Is Inhibited by FGF2. Advanced Healthcare Materials, 2020, 9, 1901669.	3.9	31
11	Tendon tissue microdamage and the limits of intrinsic repair. Matrix Biology, 2020, 85-86, 68-79.	1.5	30
12	The impact of cell-specific absorption properties on the correlation of electron transport rates measured by chlorophyll fluorescence and photosynthetic oxygen production in planktonic algae. Plant Physiology and Biochemistry, 2011, 49, 801-808.	2.8	26
13	Cell-Mediated Proteolytic Release of Growth Factors from Poly(Ethylene Glycol) Matrices. Macromolecular Bioscience, 2016, 16, 1703-1713.	2.1	19
14	Extrinsic Macrophages Protect While Tendon Progenitors Degrade: Insights from a Tissue Engineered Model of Tendon Compartmental Crosstalk. Advanced Healthcare Materials, 2021, 10, e2100741.	3.9	11
15	Dual phenotype of MDA-MB-468 cancer cells reveals mutual regulation of tensin3 and adhesion plasticity. Journal of Cell Science, 2017, 130, 2172-2184.	1.2	10
16	Inhibition of ERK 1/2 kinases prevents tendon matrix breakdown. Scientific Reports, 2021, 11, 6838.	1.6	9
17	Microvascular Networks and Models: In Vitro Formation. Reference Series in Biomedical Engineering, 2021, , 345-383.	0.1	1
18	Microvascular Networks and Models, In vitro Formation. , 2018, , 1-40.		0