

Bastian Hartmann

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

157
citations

1307594

7
h-index

1588992

8
g-index

12
all docs

12
docs citations

12
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggrecan Hypomorphism Compromises Articular Cartilage Biomechanical Properties and Is Associated with Increased Incidence of Spontaneous Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1008.	4.1	36
2	Precision 3D-Printed Cell Scaffolds Mimicking Native Tissue Composition and Mechanics. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000918.	7.6	29
3	Pilus-1 Backbone Protein RrgB of <i>Streptococcus pneumoniae</i> Binds Collagen I in a Force-Dependent Way. <i>ACS Nano</i> , 2019, 13, 7155-7165.	14.6	21
4	Early Detection of Cartilage Degeneration: A Comparison of Histology, Fiber Bragg Grating-Based Micro-Indentation, and Atomic Force Microscopy-Based Nano-Indentation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7384.	4.1	18
5	Fibrin glue displays promising in vitro characteristics as a potential carrier of adipose progenitor cells for tissue regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 359-368.	2.7	16
6	Sacrificial-layer free transfer of mammalian cells using near infrared femtosecond laser pulses. <i>PLoS ONE</i> , 2018, 13, e0195479.	2.5	15
7	Fiberoptic microindentation technique for early osteoarthritis diagnosis: an in vitro study on human cartilage. <i>Biomedical Microdevices</i> , 2019, 21, 11.	2.8	11
8	Contactless Vibrational Analysis of Transparent Hydrogel Structures Using Laser-Doppler Vibrometry. <i>Experimental Mechanics</i> , 2020, 60, 1067-1078.	2.0	9
9	Femtosecond laser printing of living human cells. , 2019, , .		1
10	Cartilage microindentation using cylindrical and spherical optical fiber indenters with integrated Bragg gratings as force sensors. , 2018, , .		1
11	Laser induced forward transfer of living cells using femtosecond laser pulses. , 2017, , .		0
12	Vibrational Analysis of Biopolymer-Based Hydrogels Using 3D-Printed Test Structures for Applications in Bioprinting. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2020, , 29-35.	0.5	0