

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 | 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 |
| 2 | Precision 3D-Printed Cell Scaffolds Mimicking Native Tissue Composition and Mechanics. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000918. | 7.6 | 29 |
| 3 | Contactless Vibrational Analysis of Transparent Hydrogel Structures Using Laser-Doppler Vibrometry. <i>Experimental Mechanics</i> , 2020, 60, 1067-1078. | 2.0 | 9 |
| 4 | 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 |
| 5 | Fiberoptic microindentation technique for early osteoarthritis diagnosis: an in vitro study on human cartilage. <i>Biomedical Microdevices</i> , 2019, 21, 11. | 2.8 | 11 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Femtosecond laser printing of living human cells. , 2019, , . | | 1 |
| 10 | Sacrificial-layer free transfer of mammalian cells using near infrared femtosecond laser pulses. <i>PLoS ONE</i> , 2018, 13, e0195479. | 2.5 | 15 |
| 11 | Cartilage microindentation using cylindrical and spherical optical fiber indenters with integrated Bragg gratings as force sensors. , 2018, , . | | 1 |
| 12 | Laser induced forward transfer of living cells using femtosecond laser pulses. , 2017, , . | | 0 |