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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Vascular Remodeling of Clinically Used Patches and Decellularized Pericardial Matrices Recellularized with Autologous or Allogeneic Cells in a Porcine Carotid Artery Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3310.	1.8	7
2	Human osteoblast-like SAOS-2 cells on submicron-scale fibers coated with nanocrystalline diamond films. <i>Materials Science and Engineering C</i> , 2021, 121, 111792.	3.8	21
3	Accelerated in vitro recellularization of decellularized porcine pericardium for cardiovascular grafts. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 025024.	1.7	11
4	Collagen Bioinks for Bioprinting: A Systematic Review of Hydrogel Properties, Bioprinting Parameters, Protocols, and Bioprinted Structure Characteristics. <i>Biomedicines</i> , 2021, 9, 1137.	1.4	30
5	pH Modification of High-Concentrated Collagen Bioinks as a Factor Affecting Cell Viability, Mechanical Properties, and Printability. <i>Gels</i> , 2021, 7, 252.	2.1	11
6	Bioreactor Processed Stromal Cell Seeding and Cultivation on Decellularized Pericardium Patches for Cardiovascular Use. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5473.	1.3	7
7	The Effect of Various Surface Treatments of Ti6Al4V on the Growth and Osteogenic Differentiation of Adipose Tissue-Derived Stem Cells. <i>Coatings</i> , 2020, 10, 762.	1.2	8
8	Applications of Nanocellulose/Nanocarbon Composites: Focus on Biotechnology and Medicine. <i>Nanomaterials</i> , 2020, 10, 196.	1.9	117
9	Treatments for enhancing the biocompatibility of titanium implants. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2020, 164, 23-33.	0.2	37
10	Nanocrystalline diamond-based impedance sensors for real-time monitoring of adipose tissue-derived stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 130-136.	2.5	2
11	Vascular Smooth Muscle Cells (VSMCs) in Blood Vessel Tissue Engineering: The Use of Differentiated Cells or Stem Cells as VSMC Precursors. , 2018, , .		4
12	Real-Time Monitoring of Stem Cells by Diamond-Based Impedance Sensors. <i>Proceedings (mdpi)</i> , 2017, 1, 515.	0.2	1
13	Automated dynamic bioreactor for 2D endothelial structures. , 2013, , .		0
14	The Role of Vascular Smooth Muscle Cells in the Physiology and Pathophysiology of Blood Vessels. , 0, , .		28
15	Nanofibrous Scaffolds for Skin Tissue Engineering and Wound Healing Based on Synthetic Polymers. , 0, , .		11