

Roman Heuberger

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

765
citations

759055

12
h-index

752573

20
g-index

20
all docs

20
docs citations

20
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	Printability of calcium phosphate powders for three-dimensional printing of tissue engineering scaffolds. <i>Acta Biomaterialia</i> , 2012, 8, 373-385.	4.1	193
2	XPS study of the influence of temperature on ZnDTP tribofilm composition. <i>Tribology Letters</i> , 2007, 25, 185-196.	1.2	97
3	Characterization and distribution of mechanically competent mineralized tissue in micropores of β -tricalcium phosphate bone substitutes. <i>Materials Today</i> , 2017, 20, 106-115.	8.3	81
4	Development of a Synthetic Synovial Fluid for Tribological Testing. <i>Lubricants</i> , 2015, 3, 664-686.	1.2	67
5	Changes in surface characteristics of titanium and zirconia after surface treatment with ultraviolet light or non-thermal plasma. <i>European Journal of Oral Sciences</i> , 2018, 126, 126-134.	0.7	57
6	Pressure Dependence of ZnDTP Tribochemical Film Formation: A Combinatorial Approach. <i>Tribology Letters</i> , 2007, 28, 209-222.	1.2	55
7	Photofunctionalization and non-thermal plasma activation of titanium surfaces. <i>Clinical Oral Investigations</i> , 2018, 22, 1045-1054.	1.4	46
8	Reactivity of alkylated phosphorothionates with steel: a tribological and surface analytical study. <i>Lubrication Science</i> , 2008, 20, 79-102.	0.9	27
9	Effect of oxide layer modification of CoCr stent alloys on blood activation and endothelial behavior. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 629-640.	1.6	23
10	Chemical Functionalization of Bioceramics To Enhance Endothelial Cells Adhesion for Tissue Engineering. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7988-7997.	2.9	21
11	Nanoparticle Synthesis and Growth in a Continuous Plasma Reactor from Organosilicon Precursors. <i>Plasma Processes and Polymers</i> , 2012, 9, 119-134.	1.6	20
12	Influence of UV irradiation and cold atmospheric pressure plasma on zirconia surfaces: an in vitro study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019, 34, 329-336.	0.6	20
13	Reduced thrombogenicity of surface-treated Nitinol implants steered by altered protein adsorption. <i>Acta Biomaterialia</i> , 2022, 137, 331-345.	4.1	13
14	Micro- and nanostructured polymer substrates for biomedical applications. <i>Proceedings of SPIE</i> , 2012, , ,	0.8	12
15	Acid and alkali etching of grit blasted zirconia: Impact on adhesion and osteogenic differentiation of MG63 cells in vitro. <i>Dental Materials Journal</i> , 2012, 31, 1097-1102.	0.8	10
16	Particles and Ions Generated in Total Hip Joint Prostheses: In Vitro Wear Test Results of UHMWPE and XLPE Acetabular Components. <i>Tribology Letters</i> , 2017, 65, 1.	1.2	7
17	Shear resistance and composition of polyethylene protuberances from hip-simulating pin-on-disc wear tests. <i>Biotribology</i> , 2020, 23, 100139.	0.9	7
18	PEEK as a replacement for CoCrMo in knee prostheses: Pin-on-disc wear test of PEEK-on-polyethylene articulations. <i>Biotribology</i> , 2021, 27, 100189.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Grafting of calcium chelating functionalities onto PLA monofilament fiber surfaces. <i>Biointerphases</i> , 2020, 15, 011006.	0.6	2
20	Low metallic wear of dynamic intraligamentary stabilization. <i>Tribology International</i> , 2017, 109, 217-221.	3.0	1