HÃ¥vard Jostein Haugen

List of Publications by Year
in descending order

160 papers	4,526 citations	117453 34 h-index	138251 58 g-index
166 all docs	166 docs citations	166 times ranked	6154 citing authors

#	Article	IF	Citations
1	Spin transport in proximity-induced ferromagnetic graphene. Physical Review B, 2008, 77, .	1.1	449
2	Bone grafts: which is the ideal biomaterial?. Journal of Clinical Periodontology, 2019, 46, 92-102.	2.3	316
3	The effect of hydrofluoric acid treatment of titanium surface on nanostructural and chemical changes and the growth of MC3T3-E1 cells. Biomaterials, 2009, 30, 736-742.	5.7	186
4	Biological responses to physicochemical properties of biomaterial surface. Chemical Society Reviews, 2020, 49, 5178-5224.	18.7	183
5	Biomaterials and regenerative technologies used in bone regeneration in the craniomaxillofacial region: Consensus report of group 2 of the 15th European Workshop on Periodontology on Bone Regeneration. Journal of Clinical Periodontology, 2019, 46, 82-91.	2.3	132
6	Ceramic TiO2-foams: characterisation of a potential scaffold. Journal of the European Ceramic Society, 2004, 24, 661-668.	2.8	110
7	Titanium implant surface modification by cathodic reduction in hydrofluoric acid: Surface characterization and <i>in vivo</i> performance. Journal of Biomedical Materials Research - Part A, 2009, 88A, 581-588.	2.1	100
8	Porous ceramic titanium dioxide scaffolds promote bone formation in rabbit peri-implant cortical defect model. Acta Biomaterialia, 2013, 9, 5390-5399.	4.1	76
9	Deposition Kinetics of Bioinspired Phenolic Coatings on Titanium Surfaces. Langmuir, 2016, 32, 8050-8060.	1.6	76
10	Ultra-porous titanium oxide scaffold with high compressive strength. Journal of Materials Science: Materials in Medicine, 2010, 21, 2783-2792.	1.7	69
11	A Novel Ultra-porous Titanium Dioxide Ceramic with Excellent Biocompatibility. Journal of Biomaterials Applications, 2011, 25, 559-580.	1.2	67
12	3D printing of silk microparticle reinforced polycaprolactone scaffolds for tissue engineering applications. Materials Science and Engineering C, 2021, 118, 111433.	3.8	66
13	Differential response of human gingival fibroblasts to titaniumâ€•and titaniumâ€zirconiumâ€modified surfaces. Journal of Periodontal Research, 2014, 49, 425-436.	1.4	58
14	Oxidative power of aqueous non-irradiated TiO 2 -H 2 O 2 suspensions: Methylene blue degradation and the role of reactive oxygen species. Applied Catalysis B: Environmental, 2016, 198, 9-15.	10.8	57
15	Bone formation in TiO2 bone scaffolds in extraction sockets of minipigs. Acta Biomaterialia, 2012, 8, 2384-2391.	4.1	56
16	TiO2 suspension exposed to H2O2 in ambient light or darkness: Degradation of methylene blue and EPR evidence for radical oxygen species. Applied Catalysis B: Environmental, 2013, 142-143, 662-667.	10.8	52
17	Designing multigradient biomaterials for skin regeneration. Materials Today Advances, 2020, 5, 100051.	2.5	49
18	Can CAD/CAM resin blocks be considered as substitute for conventional resins?. Dental Materials, 2017, 33, 1362-1370.	1.6	48

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19	Processing of highly porous TiO2 bone scaffolds with improved compressive strength. Journal of the European Ceramic Society, 2013, 33, 15-24.	2.8	47
20	The influence of surface nanoroughness, texture and chemistry of TiZr implant abutment on oral biofilm accumulation. Clinical Oral Implants Research, 2015, 26, 649-656.	1.9	47
21	Injectable Biomaterials for Dental Tissue Regeneration. International Journal of Molecular Sciences, 2020, 21, 3442.	1.8	47
22	Simvastatin coating of TiO2 scaffold induces osteogenic differentiation of human adipose tissue-derived mesenchymal stem cells. Biochemical and Biophysical Research Communications, 2014, 447, 139-144.	1.0	46
23	Loadable TiO2 scaffoldsâ€"A correlation study between processing parameters, micro CT analysis and mechanical strength. Journal of the European Ceramic Society, 2009, 29, 2773-2781.	2.8	45
24	Hydride formation on titanium surfaces by cathodic polarization. Applied Surface Science, 2008, 255, 3011-3015.	3.1	44
25	Bioactive implant surface with electrochemically bound doxycycline promotes bone formation markers in vitro and in vivo. Dental Materials, 2014, 30, 200-214.	1.6	43
26	Controlled electro-implementation of fluoride in titanium implant surfaces enhances cortical bone formation and mineralization. Acta Biomaterialia, 2010, 6, 1025-1032.	4.1	41
27	In vitro study on silk fibroin textile structure for Anterior Cruciate Ligament regeneration. Materials Science and Engineering C, 2013, 33, 3601-3608.	3.8	40
28	Shape memory polymer cellular solid design for medical applications. Smart Materials and Structures, 2011, 20, 035004.	1.8	39
29	Gelatinâ€"poly(vinyl alcohol) porous biocomposites reinforced with graphene oxide as biomaterials. Journal of Materials Chemistry B, 2016, 4, 282-291.	2.9	39
30	Creation of wellâ€balanced experimental groups for comparative endodontic laboratory studies: a new proposal based on microâ€CT and <i>in silico</i> methods. International Endodontic Journal, 2020, 53, 974-985.	2.3	38
31	Human gingival fibroblasts function is stimulated on machined hydrided titanium zirconium dental implants. Journal of Dentistry, 2014, 42, 30-38.	1.7	36
32	Ceramic scaffolds enriched with gentamicin loaded poly(lactide- co -glycolide) microparticles for prevention and treatment of bone tissue infections. Materials Science and Engineering C, 2016, 69, 856-864.	3.8	36
33	Recent Developments in Chitosan-Based Micro/Nanofibers for Sustainable Food Packaging, Smart Textiles, Cosmeceuticals, and Biomedical Applications. Molecules, 2021, 26, 2683.	1.7	36
34	Tantalum nanoparticles reinforced polyetheretherketone shows enhanced bone formation. Materials Science and Engineering C, 2019, 101, 232-242.	3.8	35
35	Bulk Fill Composites Have Similar Performance to Conventional Dental Composites. International Journal of Molecular Sciences, 2020, 21, 5136.	1.8	35
36	Effect of different Î³-irradiation doses on cytotoxicity and material properties of porous polyether-urethane polymer. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 80B, 415-423.	1.6	34

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37	Supercritical CO₂ in injection molding can produce open porous polyurethane scaffolds â€“ a parameter study. Journal of Cellular Plastics, 2012, 48, 141-159.	1.2	34
38	Hydrogen content in titanium and a titaniumâ€“zirconium alloy after acid etching. Materials Science and Engineering C, 2013, 33, 1282-1288.	3.8	34
39	In vitro biological response of human osteoblasts in 3D chitosan sponges with controlled degree of deacetylation and molecular weight. Carbohydrate Polymers, 2021, 254, 117434.	5.1	34
40	Water as foaming agent for open cell polyurethane structures. Journal of Materials Science: Materials in Medicine, 2004, 15, 343-346.	1.7	33
41	Poly- l -lysine/heparin multilayer coatings prevent blood protein adsorption. Journal of Colloid and Interface Science, 2017, 485, 288-295.	5.0	31
42	Enhanced in vitro osteoblast differentiation on TiO₂ scaffold coated with alginate hydrogel containing simvastatin. Journal of Tissue Engineering, 2013, 4, 204173141351567.	2.3	30
43	Anatomic Comparison of Contralateral Premolars. Journal of Endodontics, 2017, 43, 956-963.	1.4	30
44	Osteogenic potential of poly(ethylene glycol)-amorphous calcium phosphate composites on human mesenchymal stem cells. Journal of Tissue Engineering, 2020, 11, 204173142092684.	2.3	30
45	A novel processing method for injection-molded polyetherâ€“urethane scaffolds. Part 1: Processing. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 77B, 65-72.	1.6	29
46	Enhanced Osteoblast Differentiation on Scaffolds Coated with TiO2 Compared to SiO2 and CaP Coatings. Biointerphases, 2012, 7, 36.	0.6	29
47	Design and clinical application of injectable hydrogels for musculoskeletal therapy. Bioengineering and Translational Medicine, 2022, 7, .	3.9	29
48	Ability of polyurethane foams to support placenta-derived cell adhesion and osteogenic differentiation: preliminary results. Journal of Materials Science: Materials in Medicine, 2010, 21, 1005-1011.	1.7	28
49	Effect of short LED lamp exposure on wear resistance, residual monomer and degree of conversion for Filtek Z250 and Tetric EvoCeram composites. Dental Materials, 2013, 29, 824-834.	1.6	27
50	Antibacterial effect of hydrogen peroxide-titanium dioxide suspensions in the decontamination of rough titanium surfaces. Biofouling, 2017, 33, 451-459.	0.8	27
51	Stabilisation of amorphous calcium phosphate in polyethylene glycol hydrogels. Acta Biomaterialia, 2019, 90, 132-145.	4.1	27
52	Preparation and Characterization of Shape Memory Polymer Scaffolds via Solvent Casting/Particulate Leaching. Journal of Applied Biomaterials and Functional Materials, 2012, 10, 119-126.	0.7	26
53	The role of new zinc incorporated monetite cements on osteogenic differentiation of human mesenchymal stem cells. Materials Science and Engineering C, 2017, 78, 485-494.	3.8	26
54	Enzymatically induced mineralization of plateletâ€rich fibrin. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1335-1346.	2.1	25

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55	MuCellÂ® technology for injection molding: A processing method for polyether-urethane scaffolds. Journal of Materials Science, 2005, 40, 4613-4618.	1.7	22
56	Surface hydride on titanium by cathodic polarization promotes human gingival fibroblast growth. Journal of Biomedical Materials Research - Part A, 2014, 102, 1389-1398.	2.1	22
57	Exploiting novel sterilization techniques for porous polyurethane scaffolds. Journal of Materials Science: Materials in Medicine, 2015, 26, 182.	1.7	22
58	Effect of ZrO2 addition on the mechanical properties of porous TiO2 bone scaffolds. Materials Science and Engineering C, 2012, 32, 1386-1393.	3.8	21
59	Melatonin as adjunctive therapy in the treatment of periodontitis associated with obesity. Journal of Clinical Periodontology, 2018, 45, 1336-1346.	2.3	21
60	Silicic Acid-Mediated Formation of Tannic Acid Nanocoatings. Langmuir, 2019, 35, 3327-3336.	1.6	21
61	Early osteoimmunomodulatory effects of magnesiumâ€“calciumâ€“zinc alloys. Journal of Tissue Engineering, 2021, 12, 204173142110471.	2.3	21
62	Impact of trace elements on biocompatibility of titanium scaffolds. Biomedical Materials (Bristol), 2010, 5, 015003.	1.7	20
63	Simvastatin-activated implant surface promotes osteoblast differentiation inÂvitro. Journal of Biomaterials Applications, 2014, 28, 897-908.	1.2	20
64	Silicateâ€Phenolic Networks: Coordinationâ€Mediated Deposition of Bioinspired Tannic Acid Coatings. Chemistry - A European Journal, 2019, 25, 9870-9874.	1.7	20
65	Is There a Better Biomaterial for Dental Implants than Titanium?â€”A Review and Meta-Study Analysis. Journal of Functional Biomaterials, 2022, 13, 46.	1.8	20
66	Coating of polyurethane scaffolds with collagen: comparison of coating and cross-linking techniques. Journal of Materials Science: Materials in Medicine, 2008, 19, 2713-2719.	1.7	19
67	Studies of Dynamic Binding of Amino Acids to TiO₂ Nanoparticle Surfaces by Solution NMR and Molecular Dynamics Simulations. Langmuir, 2020, 36, 10341-10350.	1.6	19
68	Nano-CT as tool for characterization of dental resin composites. Scientific Reports, 2020, 10, 15520.	1.6	19
69	Coating doxycycline on titanium-based implants: Two in vivo studies. Bioactive Materials, 2020, 5, 787-797.	8.6	19
70	Antibacterial effect of doxycycline-coated dental abutment surfaces. Biomedical Materials (Bristol), 2015, 10, 055003.	1.7	18
71	Enhanced X-ray absorption for micro-CT analysis of low density polymers. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 805-823.	1.9	18
72	Melatonin expression in periodontitis and obesity: An experimental inâ€vivo investigation. Journal of Periodontal Research, 2018, 53, 825-831.	1.4	18

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73	Comparison of titanium dioxide scaffold with commercial bone graft materials through micro-finite element modelling in flow perfusion. Medical and Biological Engineering and Computing, 2019, 57, 311-324.	1.6	18
74	Tannic Acid Radicals in the Presence of Alkali Metal Salts and Their Impact on the Formation of Silicate-Phenolic Networks. ACS Applied Materials & Interfaces, 2020, 12, 52457-52466.	4.0	18
75	The effect of fluoride surface modification of ceramic TiO ₂ on the surface properties and biological response of osteoblastic cells <i>in vitro</i>. Biomedical Materials (Bristol), 2011, 6, 045006.	1.7	17
76	Ceramic scaffolds with immobilized vancomycin-loaded poly(lactide-co-glycolide) microparticles for bone defects treatment. Materials Letters, 2017, 190, 67-70.	1.3	17
77	Incorporation of Copper-Doped Mesoporous Bioactive Glass Nanospheres in Experimental Dental Composites: Chemical and Mechanical Characterization. Materials, 2021, 14, 2611.	1.3	17
78	Coating of metal implant materials with strontium. Journal of Materials Science: Materials in Medicine, 2013, 24, 2537-2548.	1.7	15
79	The effect of hydrofluoric acid treatment of titanium and titanium dioxide surface on primary human osteoblasts. Clinical Oral Implants Research, 2014, 25, 385-394.	1.9	15
80	Antibacterial Surface Coating for Bone Scaffolds Based on the Dark Catalytic Effect of Titanium Dioxide. ACS Applied Materials & Interfaces, 2018, 10, 35784-35793.	4.0	15
81	Polarization of modified titanium and titaniumâ€“zirconium creates nano-structures while hydride formation is modulated. Applied Surface Science, 2013, 282, 7-16.	3.1	14
82	Exploiting Inherent Instability of 2D Black Phosphorus for Controlled Phosphate Release from Blow-Spun Poly(lactide-<i>co</i>-glycolide) Nanofibers. ACS Applied Nano Materials, 2018, 1, 4190-4197.	2.4	14
83	TiO₂ Scaffolds Sustain Differentiation of MC3T3-E1 Cells. Journal of Biomaterials and Tissue Engineering, 2012, 2, 336-344.	0.0	14
84	A novel processing method for injection-molded polyetherâ€“urethane scaffolds. Part 2: Cellular interactions. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 77B, 73-78.	1.6	13
85	Crossed Andreev reflection versus electron transfer in three-terminal graphene devices. Physical Review B, 2010, 81, .	1.1	13
86	The Effects of Mold Design on the Pore Morphology of Polymers Produced with MuCell Â®Technology. Journal of Cellular Plastics, 2010, 46, 519-530.	1.2	13
87	Alginate hydrogel enriched with enamel matrix derivative to target osteogenic cell differentiation in TiO2 scaffolds. Journal of Tissue Engineering, 2015, 6, 204173141557587.	2.3	13
88	Hydrofluoric acid treatment of titanium surfaces enhances the proliferation of human gingival fibroblasts. Journal of Tissue Engineering, 2019, 10, 204173141982895.	2.3	13
89	Biomimetic Biomolecules in Next Generation Xeno-Hybrid Bone Graft Material Show Enhanced In Vitro Bone Cells Response. Journal of Clinical Medicine, 2019, 8, 2159.	1.0	13
90	Sodium alendronate loaded poly(<scp>l</scp>-lactide- <i>co</i>-glycolide) microparticles immobilized on ceramic scaffolds for local treatment of bone defects. International Journal of Energy Production and Management, 2021, 8, 293-302.	1.9	13

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91	Solution blow spinning of highly deacetylated chitosan nanofiber scaffolds for dermal wound healing. , 2022, 137, 212871.		13
92	Effect of TiO₂ scaffolds coated with alginate hydrogel containing a prolineâ€rich peptide on osteoblast growth and differentiation <i>in vitro</i>. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1768-1777.	2.1	12
93	Adhesion of Escherichia Coli to Nanostructured Surfaces and the Role of Type 1 Fimbriae. Nanomaterials, 2020, 10, 2247.	1.9	12
94	Fibroblastic response and surface characterization of O 2 -plasma-treated thermoplastic polyetherurethane. Biomedical Materials (Bristol), 2010, 5, 025002.	1.7	11
95	Wear model simulating clinical abrasion on composite filling materials. Dental Materials Journal, 2011, 30, 739-748.	0.8	11
96	Microcomputed Tomographic and Histologic Analysis of Animal Experimental Degree II Furcation Defects Treated With Porous Titanium Granules or Deproteinized Bovine Bone. Journal of Periodontology, 2012, 83, 211-221.	1.7	11
97	Chemical debridement of contaminated titanium surfaces: An<i>in vitro</i>study. Acta Odontologica Scandinavica, 2013, 71, 957-964.	0.9	11
98	Methodology for Morphometric Analysis of Modern Human Contralateral Premolars. Journal of Computer Assisted Tomography, 2016, 40, 617-625.	0.5	11
99	Effect of carboxylic acid functionalized graphene on physical-chemical and biological performances of polysulfone porous films. Polymer, 2016, 92, 1-12.	1.8	11
100	Own brand label restorative materialsâ€"A false bargain?. Journal of Dentistry, 2017, 56, 84-98.	1.7	11
101	Injectable synthetic hydrogel for bone regeneration: Physicochemical characterisation of a high and a low pH gelling system. Materials Science and Engineering C, 2018, 90, 67-76.	3.8	11
102	Adiponectin Reduces Bone Stiffness: Verified in a Three-Dimensional Artificial Human Bone Model In Vitro. Frontiers in Endocrinology, 2018, 9, 236.	1.5	11
103	<i>In Vitro</i> Performance of Bioinspired Phenolic Nanocoatings for Endosseous Implant Applications. ACS Biomaterials Science and Engineering, 2019, 5, 3340-3351.	2.6	11
104	Multifunctional Surfaces for Improving Soft Tissue Integration. Advanced Healthcare Materials, 2021, 10, e2001985.	3.9	11
105	Human Platelet Lysate-Loaded Poly(ethylene glycol) Hydrogels Induce Stem Cell Chemotaxis <i>In Vitro</i>. Biomacromolecules, 2021, 22, 3486-3496.	2.6	11
106	Bioengineering the ameloblastoma tumour to study its effect on bone nodule formation. Scientific Reports, 2021, 11, 24088.	1.6	11
107	Protein-coated nanostructured surfaces affect the adhesion of <i>Escherichia coli</i>. Nanoscale, 2022, 14, 7736-7746.	2.8	11
108	Effect of cathodic polarization on coating doxycycline on titanium surfaces. Materials Science and Engineering C, 2016, 63, 359-366.	3.8	10

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109	Characterization of morphologyâ€"3D and porous structure. , 2017, , 21-53.		10
110	Validation of contralateral premolars as the substrate for endodontic comparison studies. International Endodontic Journal, 2018, 51, 942-951.	2.3	10
111	Coagulated concentrated anatase slurry leads to improved strength of ceramic TiO2 bone scaffolds. Ceramics International, 2018, 44, 6265-6271.	2.3	10
112	Attachment and spatial organisation of human mesenchymal stem cells on poly(ethylene glycol) hydrogels. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 46-53.	1.5	10
113	Xenohybrid Bone Graft Containing Intrinsically Disordered Proteins Shows Enhanced In Vitro Bone Formation. ACS Applied Bio Materials, 2020, 3, 2263-2274.	2.3	10
114	Biostability of polyether-urethane scaffolds: A comparison of two novel processing methods and the effect of higher gamma-irradiation dose. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 73B, 229-237.	1.6	9
115	Increased reactivity and in vitro cell response of titanium based implant surfaces after anodic oxidation. Journal of Materials Science: Materials in Medicine, 2013, 24, 2761-2773.	1.7	9
116	Atomic layer deposited TiO2 protects porous ceramic foams from grain boundary corrosion. Corrosion Science, 2016, 106, 35-42.	3.0	9
117	Improved method for cannula fixation for long-term intracerebral brain infusion. Journal of Neuroscience Methods, 2017, 290, 145-150.	1.3	9
118	Intrinsically disordered peptides enhance regenerative capacities of bone composite xenografts. Materials Today, 2022, 52, 63-79.	8.3	9
119	Cell growth on pore-graded biomimetic TiO2 bone scaffolds. Journal of Biomaterials Applications, 2015, 29, 1284-1295.	1.2	8
120	Contrastâ€enhanced nanoâ€CT reveals soft dental tissues and cellular layers. International Endodontic Journal, 2021, 54, 1275-1288.	2.3	8
121	Dual-functional porous and cisplatin-loaded polymethylmethacrylate cement for reconstruction of load-bearing bone defect kills bone tumor cells. Bioactive Materials, 2022, 15, 120-130.	8.6	8
122	Bioengineered Hierarchical Bonelike Compartmentalized Microconstructs Using Nanogrooved Microdiscs. ACS Applied Materials & Interfaces, 2022, 14, 19116-19128.	4.0	8
123	TiO₂ scaffolds in periâ€implant dehiscence defects: an experimental pilot study. Clinical Oral Implants Research, 2016, 27, 1200-1206.	1.9	7
124	Structural and Chemical Hierarchy in Hydroxyapatite Coatings. Materials, 2020, 13, 4447.	1.3	7
125	Peri-implant soft tissue integration in humans â€" influence of materials: A study protocol for a randomised controlled trial and a pilot study results. Contemporary Clinical Trials Communications, 2020, 19, 100643.	0.5	7
126	Guided bone regeneration of chronic nonâ€contained bone defects using a volume stable porous block TiO2 scaffold: An experimental in vivo study. Clinical Oral Implants Research, 2021, 32, 369-381.	1.9	7

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127	Reconstructing topography and extent of injury to the superior mesenteric artery plexus in right colectomy with extended D3 mesenterectomy: a composite multimodal 3-dimensional analysis. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 7607-7618.	1.3	7
128	In Vitro Monitoring of Magnesium-Based Implants Degradation by Surface Analysis and Optical Spectroscopy. International Journal of Molecular Sciences, 2022, 23, 6099.	1.8	7
129	Variation in Lateral Plate Quality in Threespine Stickleback from Fresh, Brackish and Marine Water: A Micro-Computed Tomography Study. PLoS ONE, 2016, 11, e0164578.	1.1	6
130	Impact of simultaneous placement of implant and block bone graft substitute: an in vivo peri-implant defect model. Biomaterials Research, 2021, 25, 43.	3.2	6
131	Osteoblasts in a Perfusion Flow Bioreactorâ€"Tissue Engineered Constructs of TiO2 Scaffolds and Cells for Improved Clinical Performance. Cells, 2022, 11, 1995.	1.8	6
132	Cathodic Polarization Coats Titanium Based Implant Materials with Enamel Matrix Derivate (EMD). Materials, 2014, 7, 2210-2228.	1.3	5
133	Grain boundary corrosion of highly porous ceramic TiO 2 foams is reduced by annealing and quenching. Journal of the European Ceramic Society, 2016, 36, 179-188.	2.8	5
134	Grain boundary corrosion in TiO2 bone scaffolds doped with group II cations. Journal of the European Ceramic Society, 2019, 39, 1577-1585.	2.8	5
135	Osteoimmunomodulatory Effects of Enamel Matrix Derivate and Strontium Coating Layers: A Short- and Long-Term <i>In Vivo</i> Study. ACS Applied Bio Materials, 2020, 3, 5169-5181.	2.3	5
136	Effect of silica nano-spheres on adhesion of oral bacteria and human fibroblasts. Biomaterial Investigations in Dentistry, 2020, 7, 134-145.	3.0	5
137	Fluoride Modification of Titanium Surfaces Enhance Complement Activation. Materials, 2020, 13, 684.	1.3	5
138	Hard and soft tissue healing around implants with a modified implant neck configuration: An experimental in vivo preclinical investigation. Clinical Oral Implants Research, 2021, 32, 1127-1141.	1.9	5
139	Highly porous Sr-doped TiO2 ceramics maintain compressive strength after grain boundary corrosion. Journal of the European Ceramic Society, 2021, 41, 5721-5727.	2.8	5
140	Treatment of residual pockets using an oscillating chitosan device versus regular curettes aloneâ€"A randomized, feasibility parallelâ€arm clinical trial. Journal of Periodontology, 2022, 93, 780-789.	1.7	5
141	Characterization of the foreign body response of titanium implants modified with polyphenolic coatings. Journal of Biomedical Materials Research - Part A, 2022, 110, 1341-1355.	2.1	5
142	Xeno-Hybrid Bone Graft Releasing Biomimetic Proteins Promotes Osteogenic Differentiation of hMSCs. Frontiers in Cell and Developmental Biology, 2020, 8, 619111.	1.8	4
143	Methacrylation increase growth and differentiation of primary human osteoblasts for gelatin hydrogels. Emergent Materials, 2020, 3, 559-566.	3.2	4
144	Peri-Implant Health and the Knowing-Doing Gapâ€"A Digital Survey on Procedures and Therapies. Frontiers in Dental Medicine, 2021, 2, .	0.5	4

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145	Focused crossed Andreev reflection. Europhysics Letters, 2011, 93, 67005.	0.7	3
146	Antibacterial effects of titanium dioxide in wounds. , 2016, , 439-450.		3
147	Vitamin K2 Facilitating Inter-Organ Cross-Talk. , 0, , .		3
148	Vitamin K2 and its Impact on Tooth Epigenetics. , 0, , .		3
149	Discrepancy in alloy composition of imported and non-imported porcelain-fused-to-metal (PFM) crowns produced by Norwegian dental laboratories. Biomaterial Investigations in Dentistry, 2020, 7, 41-49.	3.0	3
150	Tailoring Resorption Rates and Osteogenic Response in Xeno-Hybrid Bone Grafts: The Effect of Added Gelatins. Engineering, 2021, , .	3.2	3
151	Dimensional Ridge Preservation with a Novel Highly Porous TiO2Scaffold: An Experimental Study in Minipigs. International Journal of Biomaterials, 2012, 2012, 1-9.	1.1	2
152	Regulatory Loops Consisting of Transcription Factors and microRNA Species Determine the Mineralizing Characteristics of Cell Phenotypes â€" Implications for Bone Engineering and Prevention of Soft Tissue Mineralization. , 0, , .		2
153	Polymers and Scaffolds with Improved Blood Compatibility and Enhanced Cellular Response with Focus on Polyurethane Foams Functionalized with Amino-Amide Groups. Journal of Advanced Biotechnology and Bioengineering, 2019, 7, 18-29.	2.3	2
154	Manufacturing of Biocompatible TiO₂-Surface-Structures with a Water Based Tape Casting. Key Engineering Materials, 2003, 254-256, 937-940.	0.4	1
155	Development and initial testing of an in vitro model simulating class II furcation defects. Clinical and Experimental Dental Research, 2021, 7, 179-188.	0.8	1
156	Processing and Characterisation of a Potential TiO₂ Scaffold. Key Engineering Materials, 2004, 254-256, 941-944.	0.4	0
157	NEU-ENTWICKELTES HERSTELLUNGSVERFAHREN VON POLYURETHAN-SCAFFOLDS. Biomedizinische Technik, 2003, 48, 380-381.	0.9	0
158	Manufacturing of Structured TiO₂-Surfaces for Cell Carrier Application. Materials Science Forum, 2005, 492-493, 171-176.	0.3	0
159	Hard tissue volumetric and soft tissue contour linear changes at implants with different surface characteristics after experimentally induced peri-implantitis: an experimental in vivo investigation. Clinical Oral Investigations, 2021, 25, 3905-3918.	1.4	0
160	307.7: 3D Bioprinting of Functional Islets With Adipose-derived Stromal Cells in an Alginate/Nanocellulose Scaffold. Transplantation, 2021, 105, S25-S25.	0.5	0