

Franz E Weber

List of Publications by Year in descending order

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144
papers

8,619
citations

66234

42
h-index

48187

88
g-index

150
all docs

150
docs citations

150
times ranked

9556
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic matrix metalloproteinase-sensitive hydrogels for the conduction of tissue regeneration: Engineering cell-invasion characteristics. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 5413-5418.	3.3	1,331
2	Repair of bone defects using synthetic mimetics of collagenous extracellular matrices. Nature Biotechnology, 2003, 21, 513-518.	9.4	797
3	Elucidating the Role of Matrix Stiffness in 3D Cell Migration and Remodeling. Biophysical Journal, 2011, 100, 284-293.	0.2	291
4	Biomolecular Hydrogels Formed and Degraded via Site-Specific Enzymatic Reactions. Biomacromolecules, 2007, 8, 3000-3007.	2.6	264
5	Effect of rhBMP-2 on guided bone regeneration in humans. Clinical Oral Implants Research, 2003, 14, 556-568.	1.9	255
6	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. Nature, 2017, 545, 477-481.	13.7	246
7	Control of REM sleep by ventral medulla GABAergic neurons. Nature, 2015, 526, 435-438.	13.7	234
8	Identification of a Receptor Mediating Absorption of Dietary Cholesterol in the Intestine. Biochemistry, 1998, 37, 17843-17850.	1.2	231
9	Synthetic extracellular matrices for in situ tissue engineering. Biotechnology and Bioengineering, 2004, 86, 27-36.	1.7	213
10	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. Biomaterials, 2007, 28, 3856-3866.	5.7	203
11	The major myosin-binding domain of skeletal muscle MyBP-C (C protein) resides in the COOH-terminal, immunoglobulin C2 motif. Journal of Cell Biology, 1993, 123, 619-626.	2.3	196
12	Recombinant Protein-co-PEG Networks as Cell-Adhesive and Proteolytically Degradable Hydrogel Matrixes. Part II: Biofunctional Characteristics. Biomacromolecules, 2006, 7, 3019-3029.	2.6	176
13	Bone repair with a form of BMP-2 engineered for incorporation into fibrin cell ingrowth matrices. Biotechnology and Bioengineering, 2005, 89, 253-262.	1.7	159
14	Bone Regeneration by the Osteoconductivity of Porous Titanium Implants Manufactured by Selective Laser Melting: A Histological and Micro Computed Tomography Study in the Rabbit. Tissue Engineering - Part A, 2013, 19, 2645-2654.	1.6	148
15	Dietary tocotrienols reduce concentrations of plasma cholesterol, apolipoprotein B, thromboxane B2, and platelet factor 4 in pigs with inherited hyperlipemias. American Journal of Clinical Nutrition, 1991, 53, 1042S-1046S.	2.2	130
16	In vivo and in vitro evaluation of flexible, cottonwool-like nanocomposites as bone substitute material for complex defects. Acta Biomaterialia, 2009, 5, 1775-1784.	4.1	115
17	Complete sequence of human fast-type and slow-type muscle myosin-binding-protein C (MyBP-C). Differential expression, conserved domain structure and chromosome assignment. FEBS Journal, 1993, 216, 661-669.	0.2	114
18	A randomized-controlled clinical trial evaluating clinical and radiological outcomes after 3 and 5 years of dental implants placed in bone regenerated by means of GBR techniques with or without the addition of BMP. Clinical Oral Implants Research, 2009, 20, 660-666.	1.9	114

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19	Bone healing in the rat and dog with nonglycosylated BMP-2 demonstrating low solubility in fibrin matrices. <i>Journal of Orthopaedic Research</i> , 2004, 22, 376-381.	1.2	106
20	Bone morphogenetic protein β 2 enhances bone formation when delivered by a synthetic matrix containing hydroxyapatite/tricalciumphosphate. <i>Clinical Oral Implants Research</i> , 2008, 19, 188-195.	1.9	99
21	Epigenetic Regulation of Bone Remodeling and Its Impacts in Osteoporosis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1446.	1.8	95
22	Evaluation of an in situ formed synthetic hydrogel as a biodegradable membrane for guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2006, 17, 426-433.	1.9	81
23	Osteoconductive Microarchitecture of Bone Substitutes for Bone Regeneration Revisited. <i>Frontiers in Physiology</i> , 2018, 9, 960.	1.3	81
24	Slow and continuous application of human recombinant bone morphogenetic protein via biodegradable poly(lactide-co-glycolide) foamspheres. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2002, 31, 60-65.	0.7	65
25	Reconsidering Osteoconduction in the Era of Additive Manufacturing. <i>Tissue Engineering - Part B: Reviews</i> , 2019, 25, 375-386.	2.5	64
26	Platelet-rich plasma and fibrin as delivery systems for recombinant human bone morphogenetic protein-2. <i>Clinical Oral Implants Research</i> , 2005, 16, 676-682.	1.9	62
27	Inhibition of Osteoclast Differentiation and Bone Resorption by N-Methylpyrrolidone. <i>Journal of Biological Chemistry</i> , 2011, 286, 24458-24466.	1.6	62
28	The zirconia implant-bone interface: a preliminary histologic evaluation in rabbits. <i>International Journal of Oral and Maxillofacial Implants</i> , 2008, 23, 691-5.	0.6	60
29	Molecular cloning of chicken myosin-binding protein (MyBP) H (86-kDa protein) reveals extensive homology with MyBP-C (C-protein) with conserved immunoglobulin C2 and fibronectin type III motifs. <i>Journal of Biological Chemistry</i> , 1993, 268, 3670-6.	1.6	57
30	N-Methyl Pyrrolidone as a Potent Bone Morphogenetic Protein Enhancer for Bone Tissue Regeneration. <i>Tissue Engineering - Part A</i> , 2009, 15, 2955-2963.	1.6	55
31	Intraoperative engineering of osteogenic grafts combining freshly harvested, human adipose-derived cells and physiological doses of bone morphogenetic protein-2. , 2012, 24, 308-319.		54
32	Molecular cloning of a peroxisomal Ca ²⁺ -dependent member of the mitochondrial carrier superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 8509-8514.	3.3	53
33	Evaluation of moldable, <i>in situ</i> hardening calcium phosphate bone graft substitutes. <i>Clinical Oral Implants Research</i> , 2013, 24, 149-157.	1.9	52
34	<i>In vitro</i> response of primary human bone marrow stromal cells to recombinant human bone morphogenetic protein β 2 in the early and late stages of osteoblast differentiation. <i>Development Growth and Differentiation</i> , 2008, 50, 553-564.	0.6	48
35	A randomized controlled clinical multicenter trial comparing the clinical and histological performance of a new, modified polylactide β glycolide acid membrane to an expanded polytetrafluorethylene membrane in guided bone regeneration procedures. <i>Clinical Oral Implants Research</i> , 2014, 25, 150-158.	1.9	48
36	Engineering 3D cell instructive microenvironments by rational assembly of artificial extracellular matrices and cell patterning. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 1102.	0.6	47

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37	Smart Hydrogels for the Augmentation of Bone Regeneration by Endogenous Mesenchymal Progenitor Cell Recruitment. <i>Advanced Science</i> , 2020, 7, 1903395.	5.6	46
38	Enhanced osteoblastic activity and bone regeneration using surface-modified porous bioactive glass scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 1023-1033.	2.1	45
39	Bone regeneration in the presence of a synthetic hydroxyapatite/silica oxide-based and a xenogenic hydroxyapatite-based bone substitute material. <i>Clinical Oral Implants Research</i> , 2011, 22, 506-511.	1.9	45
40	Influence of Microarchitecture on Osteoconduction and Mechanics of Porous Titanium Scaffolds Generated by Selective Laser Melting. <i>3D Printing and Additive Manufacturing</i> , 2016, 3, 142-151.	1.4	45
41	Heterodimeric BMP-2/7 for nucleus pulposus regeneration—In vitro and ex vivo studies. <i>Journal of Orthopaedic Research</i> , 2017, 35, 51-60.	1.2	45
42	Bone regeneration using a synthetic matrix containing a parathyroid hormone peptide combined with a grafting material. <i>International Journal of Oral and Maxillofacial Implants</i> , 2007, 22, 258-66.	0.6	45
43	Absorption of Monoacylglycerols by Small Intestinal Brush Border Membrane. <i>Biochemistry</i> , 1994, 33, 4500-4508.	1.2	44
44	Fibrin Gel Improves Tissue Ingrowth and Cell Differentiation in Human Immature Premolars Implanted in Rats. <i>Journal of Endodontics</i> , 2014, 40, 246-250.	1.4	43
45	BMP-2 and BMP-2/7 Heterodimers Conjugated to a Fibrin/Hyaluronic Acid Hydrogel in a Large Animal Model of Mild Intervertebral Disc Degeneration. <i>BioResearch Open Access</i> , 2015, 4, 398-406.	2.6	43
46	Human Myosin-Binding Protein H (MyBP-H): Complete Primary Sequence, Genomic Organization, and Chromosomal Localization. <i>Genomics</i> , 1993, 16, 34-40.	1.3	42
47	A novel, tissue occlusive poly(ethylene glycol) hydrogel material. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 285-292.	2.1	42
48	Changes in free and bound forms and total amount of hexokinase isozyme II of rat muscle in response to contractile activity. <i>FEBS Journal</i> , 1990, 191, 85-90.	0.2	41
49	Treatment of Nonunions with Nonglycosylated Recombinant Human Bone Morphogenetic Protein-2 Delivered from a Fibrin Matrix. <i>Veterinary Surgery</i> , 2004, 33, 112-118.	0.5	40
50	Decreased Fibrogenesis After Treatment with Pirfenidone in a Newly Developed Mouse Model of Intestinal Fibrosis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 569-582.	0.9	40
51	A comparative study of sterol absorption in different small-intestinal brush border membrane models. <i>Journal of Lipid Research</i> , 1996, 37, 2405-2419.	2.0	39
52	Guided bone regeneration with a synthetic biodegradable membrane: a comparative study in dogs. <i>Clinical Oral Implants Research</i> , 2011, 22, 802-807.	1.9	38
53	A Versatile Approach to Engineering Biomolecules—Presenting Cellular Microenvironments. <i>Advanced Healthcare Materials</i> , 2013, 2, 292-296.	3.9	37
54	Neural and Homeostatic Regulation of REM Sleep. <i>Frontiers in Psychology</i> , 2020, 11, 1662.	1.1	37

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55	Mechanical loading of mouse caudal vertebrae increases trabecular and cortical bone mass-dependence on dose and genotype. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010, 9, 737-747.	1.4	35
56	Modular Poly(ethylene glycol) Matrices for the Controlled 3D-Localized Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Advanced Healthcare Materials</i> , 2015, 4, 550-558.	3.9	34
57	Effects of Stem Cell Factor on Cell Homing During Functional Pulp Regeneration in Human Immature Teeth. <i>Tissue Engineering - Part A</i> , 2017, 23, 115-123.	1.6	34
58	Comparison of Cholesterol and Sitosterol Uptake in Different Brush Border Membrane Models. <i>Biochemistry</i> , 1997, 36, 6643-6652.	1.2	33
59	Disulfide Bridge Conformers of Mature BMP Are Inhibitors for Heterotopic Ossification. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 554-558.	1.0	32
60	Cholesteryl Ester Absorption by Small Intestinal Brush Border Membrane is Protein-Mediated. <i>Biochemistry</i> , 1995, 34, 16473-16482.	1.2	31
61	The epigenetically active small chemical N-methyl pyrrolidone (NMP) prevents estrogen depletion induced osteoporosis. <i>Bone</i> , 2015, 78, 114-121.	1.4	31
62	Comparison of two resorbable membrane systems in bone regeneration after removal of wisdom teeth: a randomized-controlled clinical pilot study. <i>Clinical Oral Implants Research</i> , 2009, 20, 1084-1091.	1.9	30
63	cAMP enhances BMP2-signaling through PKA and MKP1-dependent mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 247-252.	1.0	30
64	Pulp-Derived Exosomes in a Fibrin-Based Regenerative Root Filling Material. <i>Journal of Clinical Medicine</i> , 2020, 9, 491.	1.0	29
65	Characterization of Lipid Exchange Proteins Isolated from Small Intestinal Brush Border Membrane. <i>Journal of Biological Chemistry</i> , 1995, 270, 5917-5925.	1.6	28
66	Osteoconductive Lattice Microarchitecture for Optimized Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , 2019, 6, 40-49.	1.4	28
67	Reconstitution and Further Characterization of the Cholesterol Transport Activity of the Small-Intestinal Brush Border Membrane. <i>Biochemistry</i> , 1997, 36, 10784-10792.	1.2	27
68	Biomimetic PEG hydrogels crosslinked with minimal plasmin-sensitive tripeptide amino acid peptides. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 870-877.	2.1	27
69	N-methyl pyrrolidone (NMP) inhibits lipopolysaccharide-induced inflammation by suppressing NF- κ B signaling. <i>Inflammation Research</i> , 2015, 64, 527-536.	1.6	27
70	Synergistic action of static stretching and BMP-2 stimulation in the osteoblast differentiation of C2C12 myoblasts. <i>Journal of Biomechanics</i> , 2009, 42, 2721-2727.	0.9	26
71	Longitudinal in vivo evaluation of bone regeneration by combined measurement of multi-pinhole SPECT and micro-CT for tissue engineering. <i>Scientific Reports</i> , 2015, 5, 10238.	1.6	26
72	Analysis of hydrolyzable polyethylene glycol hydrogels and deproteinized bone mineral as delivery systems for glycosylated and non-glycosylated bone morphogenetic protein-2. <i>Acta Biomaterialia</i> , 2012, 8, 116-123.	4.1	25

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73	Delivery of BMP β 2 by two clinically available apatite materials: <i>In vitro</i> and <i>in vivo</i> comparison. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 628-638.	2.1	25
74	The Use of Adipose Tissue-Derived Progenitors in Bone Tissue Engineering - a Review. <i>Transfusion Medicine and Hemotherapy</i> , 2016, 43, 336-343.	0.7	25
75	From Influenza Virus to Novel Corona Virus (SARS-CoV-2) – The Contribution of Obesity. <i>Frontiers in Endocrinology</i> , 2020, 11, 556962.	1.5	25
76	Biomimetic Conditioning of Human Dentin Using Citric Acid. <i>Journal of Endodontics</i> , 2019, 45, 45-50.	1.4	24
77	Effect of cerium chloride application on fibroblast and osteoblast proliferation and differentiation. <i>Archives of Oral Biology</i> , 2012, 57, 892-897.	0.8	23
78	Enhancement of bone healing using non-glycosylated rhBMP-2 released from a fibrin matrix in dogs and cats. <i>Journal of Small Animal Practice</i> , 2005, 46, 17-21.	0.5	22
79	High power pulsed Nd:YAG laser as a new stimulus to induce BMP β 2 expression in MC3T3 β 1 osteoblasts. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 510-518.	1.1	22
80	Preclinical in vivo Performance of Novel Biodegradable, Electrospun Poly(lactic acid) and Poly(lactic-co-glycolic acid) Nanocomposites: A Review. <i>Materials</i> , 2015, 8, 4912-4931.	1.3	22
81	N,N Dimethylacetamide a drug excipient that acts as bromodomain ligand for osteoporosis treatment. <i>Scientific Reports</i> , 2017, 7, 42108.	1.6	22
82	Effect of Short-Time Povidone-Iodine Application on Osteoblast Proliferation and Differentiation. <i>Open Dentistry Journal</i> , 2009, 3, 208-212.	0.2	22
83	A comparative study of sterol absorption in different small-intestinal brush border membrane models. <i>Journal of Lipid Research</i> , 1996, 37, 2405-19.	2.0	22
84	The uptake of cholesterol at the small-intestinal brush border membrane is inhibited by apolipoproteins. <i>FEBS Letters</i> , 1997, 411, 7-11.	1.3	21
85	Modeling the mammalian sleep cycle. <i>Current Opinion in Neurobiology</i> , 2017, 46, 68-75.	2.0	21
86	Comparative study of NMP-preloaded and dip-loaded membranes for guided bone regeneration of rabbit cranial defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 425-433.	1.3	20
87	Cerium Chloride Application Promotes Wound Healing and Cell Proliferation in Human Foreskin Fibroblasts. <i>Materials</i> , 2017, 10, 573.	1.3	20
88	Lattice Microarchitecture for Bone Tissue Engineering from Calcium Phosphate Compared to Titanium. <i>Tissue Engineering - Part A</i> , 2018, 24, 1554-1561.	1.6	20
89	Enzyme Mediated Site-Specific Surface Modification. <i>Langmuir</i> , 2010, 26, 11127-11134.	1.6	19
90	Biodegradation, soft and hard tissue integration of various polyethylene glycol hydrogels: a histomorphometric study in rabbits. <i>Clinical Oral Implants Research</i> , 2011, 22, 1247-1254.	1.9	19

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91	N-methyl pyrrolidone/bone morphogenetic protein-2 double delivery with in situ forming implants. <i>Journal of Controlled Release</i> , 2015, 203, 181-188.	4.8	19
92	Cell-Mediated Proteolytic Release of Growth Factors from Poly(Ethylene Glycol) Matrices. <i>Macromolecular Bioscience</i> , 2016, 16, 1703-1713.	2.1	19
93	The optimal microarchitecture of 3D-printed β -TCP bone substitutes for vertical bone augmentation differs from that for osteoconduction. <i>Materials and Design</i> , 2021, 204, 109650.	3.3	19
94	In pre-sterol carrier protein 2 (SCP2) in solution the leader peptide 1 - 20 is flexibly disordered, and residues 21 - 143 adopt the same globular fold as in mature SCP2. <i>Cellular and Molecular Life Sciences</i> , 1998, 54, 751-759.	2.4	18
95	Effect of platelet-derived growth factor-BB on tissue integration of cross-linked and non-cross-linked collagen matrices in a rat ectopic model. <i>Clinical Oral Implants Research</i> , 2015, 26, 263-270.	1.9	18
96	Fibrin Hydrogel Based Bone Substitute Tethered with BMP-2 and BMP-2/7 Heterodimers. <i>Materials</i> , 2015, 8, 977-991.	1.3	16
97	Contractile activity enhances the synthesis of hexokinase II in rat skeletal muscle. <i>FEBS Letters</i> , 1988, 238, 71-73.	1.3	15
98	Rapid up- and down-regulation of hexokinase II in rat skeletal muscle in response to altered contractile activity. <i>FEBS Letters</i> , 1990, 261, 291-293.	1.3	15
99	Screening recurrence and lymph node metastases in head and neck cancer: the role of computer tomography in follow-up. <i>Head & Neck Oncology</i> , 2011, 3, 18.	2.3	15
100	Regenerative Dentistry: Animal Model for Regenerative Endodontology. <i>Transfusion Medicine and Hemotherapy</i> , 2016, 43, 359-364.	0.7	15
101	3D-Printed HA-Based Scaffolds for Bone Regeneration: Microporosity, Osteoconduction and Osteoclastic Resorption. <i>Materials</i> , 2022, 15, 1433.	1.3	15
102	Microporosities in 3D-Printed Tricalcium-Phosphate-Based Bone Substitutes Enhance Osteoconduction and Affect Osteoclastic Resorption. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9270.	1.8	14
103	Bone augmentation using a synthetic hydroxyapatite/silica oxide-based and a xenogenic hydroxyapatite-based bone substitute materials with and without recombinant human bone morphogenetic protein-2. <i>Clinical Oral Implants Research</i> , 2015, 26, 592-598.	1.9	13
104	Epigenetic drugs as new therapy for tumor necrosis factor- α -compromised bone healing. <i>Bone</i> , 2019, 127, 49-58.	1.4	13
105	Novel Membrane for Guided Bone Regeneration. <i>International Journal of Artificial Organs</i> , 2006, 29, 834-840.	0.7	12
106	Immobilization of chondroitin sulfate to lipid membranes and its interactions with ECM proteins. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 258-266.	5.0	12
107	The bromodomain inhibitor N-methyl pyrrolidone reduced fat accumulation in an ovariectomized rat model. <i>Clinical Epigenetics</i> , 2016, 8, 42.	1.8	12
108	Artificial extracellular matrices for bone tissue engineering. <i>Bone</i> , 2008, 42, S72.	1.4	11

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109	Biomaterial development for oral and maxillofacial bone regeneration. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2012, 38, 264.	0.3	11
110	Effect of Different rhBMP-2 and TG-VEGF Ratios on the Formation of Heterotopic Bone and Neovessels. BioMed Research International, 2014, 2014, 1-7.	0.9	11
111	Effect of Direct Current on Surface Structure and Cytocompatibility of Titanium Dental Implants. International Journal of Oral and Maxillofacial Implants, 2014, 29, 735-742.	0.6	11
112	Biodegradation and tissue integration of various polyethylene glycol matrices: a comparative study in rabbits. Clinical Oral Implants Research, 2017, 28, e244-e251.	1.9	11
113	Deletion Mutants of BMP Folding Variants Act as BMP Antagonists and Are Efficient Inhibitors for Heterotopic Ossification. Journal of Bone and Mineral Research, 2003, 18, 2142-2151.	3.1	10
114	Bone regeneration using a synthetic matrix containing enamel matrix derivate. Clinical Oral Implants Research, 2011, 22, 214-222.	1.9	10
115	Iodixanol as a Contrast Agent in a Fibrin Hydrogel for Endodontic Applications. Frontiers in Physiology, 2017, 8, 152.	1.3	10
116	Role of HTRA1 in bone formation and regeneration: In vitro and in vivo evaluation. PLoS ONE, 2017, 12, e0181600.	1.1	10
117	Laser-Induced Temperature Changes in Dentine. Photomedicine and Laser Surgery, 2003, 21, 375-381.	1.1	9
118	Coupling plowing of cartilage explants with gene expression in models for synovial joints. Journal of Biomechanics, 2011, 44, 2472-2476.	0.9	9
119	Design, construction and validation of a computer controlled system for functional loading of soft tissue. Medical Engineering and Physics, 2011, 33, 677-683.	0.8	9
120	Automatic registration of 2D histological sections to 3D microCT volumes: Trabecular bone. Bone, 2017, 105, 173-183.	1.4	9
121	N, N-Dimethylacetamide, an FDA approved excipient, acts post-meiotically to impair spermatogenesis and cause infertility in rats. Chemosphere, 2020, 256, 127001.	4.2	9
122	The Release of the Bromodomain Ligand N,N-Dimethylacetamide Adds Bioactivity to a Resorbable Guided Bone Regeneration Membrane in a Rabbit Calvarial Defect Model. Materials, 2020, 13, 501.	1.3	9
123	Effects of γ CT radiation on tissue engineered bone-like constructs. Biomedizinische Technik, 2010, 55, 245-250.	0.9	8
124	A Model System of the Dynamic Loading Occurring in Synovial Joints: The Biological Effect of Plowing on Pristine Cartilage. Cells Tissues Organs, 2014, 199, 364-372.	1.3	8
125	The Bromodomain Inhibitor N-Methyl pyrrolidone Prevents Osteoporosis and BMP-Triggered Sclerostin Expression in Osteocytes. International Journal of Molecular Sciences, 2018, 19, 3332.	1.8	8
126	Transforming Growth Factor Beta 1 Distribution and Content in the Root Dentin of Young Mature and Immature Human Premolars. Journal of Endodontics, 2020, 46, 641-647.	1.4	8

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127	Properties and Mechanobiological Behavior of Bovine Nasal Septum Cartilage. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1821-1831.	1.3	7
128	Influence of N-methyl pyrrolidone on the activity of the pulp-dentine complex and bone integrity during osteoporosis. <i>International Endodontic Journal</i> , 2017, 50, 271-280.	2.3	7
129	Impact of recombinant platelet-derived growth factor BB on bone regeneration: a study in rabbits. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2012, 32, 195-202.	0.4	7
130	Antimicrobial peptide gene expression in medication-related osteonecrosis of the jaw. <i>Pathology Research and Practice</i> , 2020, 216, 153245.	1.0	6
131	Similar inductive effects of enamel and dentin matrix derivatives on osteoblast-like cell response over SLA titanium surface. <i>Archives of Oral Biology</i> , 2020, 109, 104552.	0.8	5
132	Effect of N-Vinyl-2-Pyrrolidone (NVP), a Bromodomain-Binding Small Chemical, on Osteoblast and Osteoclast Differentiation and Its Potential Application for Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11052.	1.8	5
133	cDNA cloning and sequence comparisons of human and chicken muscle C-protein and 86kD protein. <i>Symposia of the Society for Experimental Biology</i> , 1992, 46, 167-77.	0.0	5
134	Mechanical anisotropy of titanium scaffolds. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 607-611.	0.2	4
135	Introduction of the Anspach drill as a novel surgical driller for creating calvarial defects in animal models. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1183-1191.	1.2	4
136	Pretreatment thrombocytosis. <i>Oral and Maxillofacial Surgery</i> , 2012, 16, 197-200.	0.6	3
137	N,N-Dimethylacetamide Prevents the High-Fat Diet-Induced Increase in Body Weight. <i>Frontiers in Pharmacology</i> , 2019, 10, 1274.	1.6	3
138	Heterotopic Bone Formation Around Vessels: Pilot Study of a New Animal Model. <i>BioResearch Open Access</i> , 2013, 2, 266-272.	2.6	2
139	Reversible Contraceptive Potential of FDA Approved Excipient N, N-Dimethylacetamide in Male Rats. <i>Frontiers in Physiology</i> , 2020, 11, 601084.	1.3	2
140	Exposure to the bromodomain inhibitor N-methyl pyrrolidone blocks spermatogenesis in a hormonal and non-hormonal fashion. <i>Toxicology and Applied Pharmacology</i> , 2021, 423, 115568.	1.3	1
141	<i>D4 Digital Channel Bank Family</i>: Dataport-Digital Access Through D4. <i>Bell System Technical Journal</i> , 1982, 61, 2703-2720.	0.6	0
142	Guest speakers lectures, oral presentations, clinical case presentations. <i>ArgoSpine News and Journal</i> , 2012, 24, 95-142.	0.1	0
143	Use of Natural Bovine BMP in Cranio-Maxillofacial Surgery. , 2002, , 329-338.		0
144	Effect of Small Chemicals like N-methyl Pyrrolidone (NMP) on the Orchestration of Bone Remodeling by Osteocytes. <i>FASEB Journal</i> , 2015, 29, 1027.4.	0.2	0