

Richard J Miron

List of Publications by Year in descending order

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149
papers

6,799
citations

76322

40
h-index

76898

74
g-index

155
all docs

155
docs citations

155
times ranked

5890
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative release of growth factors from PRP, PRF, and advanced-PRF. <i>Clinical Oral Investigations</i> , 2016, 20, 2353-2360.	3.0	448
2	Use of platelet-rich fibrin in regenerative dentistry: a systematic review. <i>Clinical Oral Investigations</i> , 2017, 21, 1913-1927.	3.0	288
3	Optimized Platelet-Rich Fibrin With the Low-Speed Concept: Growth Factor Release, Biocompatibility, and Cellular Response. <i>Journal of Periodontology</i> , 2017, 88, 112-121.	3.4	284
4	Platelet-Rich Fibrin and Soft Tissue Wound Healing: A Systematic Review. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 83-99.	4.8	272
5	Injectable platelet rich fibrin (i-PRF): opportunities in regenerative dentistry?. <i>Clinical Oral Investigations</i> , 2017, 21, 2619-2627.	3.0	267
6	OsteoMacs: Key players around bone biomaterials. <i>Biomaterials</i> , 2016, 82, 1-19.	11.4	249
7	Pretreated Macrophage-Membrane-Coated Gold Nanocages for Precise Drug Delivery for Treatment of Bacterial Infections. <i>Advanced Materials</i> , 2018, 30, e1804023.	21.0	240
8	Twenty years of enamel matrix derivative: the past, the present and the future. <i>Journal of Clinical Periodontology</i> , 2016, 43, 668-683.	4.9	186
9	Effects of an injectable platelet-rich fibrin on osteoblast behavior and bone tissue formation in comparison to platelet-rich plasma. <i>Platelets</i> , 2018, 29, 48-55.	2.3	157
10	A proposed mechanism for material-induced heterotopic ossification. <i>Materials Today</i> , 2019, 22, 132-141.	14.2	118
11	Near-infrared light-triggered drug delivery system based on black phosphorus for in vivo bone regeneration. <i>Biomaterials</i> , 2018, 179, 164-174.	11.4	115
12	A novel method for evaluating and quantifying cell types in platelet rich fibrin and an introduction to horizontal centrifugation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2257-2271.	4.0	109
13	Multinucleated Giant Cells: Good Guys or Bad Guys?. <i>Tissue Engineering - Part B: Reviews</i> , 2018, 24, 53-65.	4.8	100
14	Giant cells around bone biomaterials: Osteoclasts or multi-nucleated giant cells?. <i>Acta Biomaterialia</i> , 2016, 46, 15-28.	8.3	95
15	Standardization of relative centrifugal forces in studies related to platelet-rich fibrin. <i>Journal of Periodontology</i> , 2019, 90, 817-820.	3.4	94
16	Reduction of the relative centrifugal force influences cell number and growth factor release within injectable PRF-based matrices. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 188.	3.6	91
17	Health, Maintenance, and Recovery of Soft Tissues around Implants. <i>Clinical Implant Dentistry and Related Research</i> , 2016, 18, 618-634.	3.7	90
18	Strontium-incorporated mesoporous bioactive glass scaffolds stimulating <i>in vitro</i> proliferation and differentiation of bone marrow stromal cells and <i>in vivo</i> regeneration of osteoporotic bone defects. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5711-5722.	5.8	88

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19	Fifteen Years of Platelet Rich Fibrin in Dentistry and Oromaxillofacial Surgery: How High is the Level of Scientific Evidence?. <i>Journal of Oral Implantology</i> , 2018, 44, 471-492.	1.0	88
20	The effect of enamel matrix proteins on the spreading, proliferation and differentiation of osteoblasts cultured on titanium surfaces. <i>Biomaterials</i> , 2010, 31, 449-460.	11.4	87
21	Impact of Bone Harvesting Techniques on Cell Viability and the Release of Growth Factors of Autografts. <i>Clinical Implant Dentistry and Related Research</i> , 2013, 15, 481-489.	3.7	87
22	Autologous liquid platelet rich fibrin: A novel drug delivery system. <i>Acta Biomaterialia</i> , 2018, 75, 35-51.	8.3	85
23	Behavior of Gingival Fibroblasts on Titanium Implant Surfaces in Combination with either Injectable-PRF or PRP. <i>International Journal of Molecular Sciences</i> , 2017, 18, 331.	4.1	84
24	Use of platelet-rich fibrin for the treatment of periodontal intrabony defects: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2021, 25, 2461-2478.	3.0	80
25	Anabolic Bone Formation Via a Site-Specific Bone-Targeting Delivery System by Interfering With Semaphorin 4d Expression. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 286-296.	2.8	72
26	Osteoinductive potential of 4 commonly employed bone grafts. <i>Clinical Oral Investigations</i> , 2016, 20, 2259-2265.	3.0	71
27	Osteoinductive potential of a novel biphasic calcium phosphate bone graft in comparison with autographs, xenografts, and <sc>DFDBA</sc>. <i>Clinical Oral Implants Research</i> , 2016, 27, 668-675.	4.5	70
28	Adsorption of Enamel Matrix Proteins to a Bovineâ€Derived Bone Grafting Material and Its Regulation of Cell Adhesion, Proliferation, and Differentiation. <i>Journal of Periodontology</i> , 2012, 83, 936-947.	3.4	63
29	Injectable-platelet rich fibrin using the low speed centrifugation concept improves cartilage regeneration when compared to platelet-rich plasma. <i>Platelets</i> , 2019, 30, 213-221.	2.3	60
30	Enamel Matrix Proteins and Periodontal Wound Healing and Regeneration. <i>Clinical Advances in Periodontics</i> , 2011, 1, 101-117.	0.7	58
31	Biological characterization of an injectable platelet-rich fibrin mixture consisting of autologous albumin gel and liquid platelet-rich fibrin (Alb-PRF). <i>Platelets</i> , 2021, 32, 74-81.	2.3	56
32	Osteoblast proliferation and differentiation on a barrier membrane in combination with BMP2 and TGFÎ²1. <i>Clinical Oral Investigations</i> , 2013, 17, 981-988.	3.0	54
33	Antiâ€inflammation effects of injectable plateletâ€rich fibrin via macrophages and dendritic cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 61-68.	4.0	54
34	Comparison of platelet-rich fibrin (PRF) produced using 3 commercially available centrifuges at both high (~â€%700Âg) and low (~â€%200Âg) relative centrifugation forces. <i>Clinical Oral Investigations</i> , 2020, 24, 1171-1182.	3.0	52
35	A low-speed centrifugation concept leads to cell accumulation and vascularization of solid platelet-rich fibrin: an experimental study <i>in vivo</i>. <i>Platelets</i> , 2019, 30, 329-340.	2.3	51
36	Use of platelet-rich fibrin for the treatment of gingival recessions: a systematic review and meta-analysis. <i>Clinical Oral Investigations</i> , 2020, 24, 2543-2557.	3.0	49

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37	Osteoinductive and Osteopromotive Variability among Different Demineralized Bone Allografts. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 533-542.	3.7	47
38	Fluid platelet-rich fibrin stimulates greater dermal skin fibroblast cell migration, proliferation, and collagen synthesis when compared to platelet-rich plasma. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 2004-2010.	1.6	46
39	The effect of age, gender, and time between blood draw and start of centrifugation on the size outcomes of platelet-rich fibrin (PRF) membranes. <i>Clinical Oral Investigations</i> , 2019, 23, 2179-2185.	3.0	46
40	A novel method for harvesting concentrated platelet-rich fibrin (C-PRF) with a 10-fold increase in platelet and leukocyte yields. <i>Clinical Oral Investigations</i> , 2020, 24, 2819-2828.	3.0	45
41	Antibacterial effects of platelet-rich fibrin produced by horizontal centrifugation. <i>International Journal of Oral Science</i> , 2020, 12, 32.	8.6	44
42	Comparison of the Capacity of Enamel Matrix Derivative Gel and Enamel Matrix Derivative in Liquid Formulation to Adsorb to Bone Grafting Materials. <i>Journal of Periodontology</i> , 2015, 86, 578-587.	3.4	43
43	Extracellular vesicles derived from the mid-to-late stage of osteoblast differentiation markedly enhance osteogenesis <i>in vitro</i> and <i>in vivo</i> . <i>Biochemical and Biophysical Research Communications</i> , 2019, 514, 252-258.	2.1	43
44	Adsorption and release kinetics of growth factors on barrier membranes for guided tissue/bone regeneration: A systematic review. <i>Archives of Oral Biology</i> , 2019, 100, 57-68.	1.8	43
45	Improved growth factor delivery and cellular activity using concentrated platelet-rich fibrin (C-PRF) when compared with traditional injectable (i-PRF) protocols. <i>Clinical Oral Investigations</i> , 2020, 24, 4373-4383.	3.0	43
46	Collagen barrier membranes adsorb growth factors liberated from autogenous bone chips. <i>Clinical Oral Implants Research</i> , 2017, 28, 236-241.	4.5	41
47	Histological comparison of Platelet rich fibrin clots prepared by fixed-angle versus horizontal centrifugation. <i>Platelets</i> , 2021, 32, 413-419.	2.3	41
48	Is Photodynamic Therapy an Effective Treatment for Periodontal and Peri-Implant Infections?. <i>Dental Clinics of North America</i> , 2015, 59, 831-858.	1.8	40
49	Osteogenic potential of rhBMP9 combined with a bovine-derived natural bone mineral scaffold compared to rhBMP2. <i>Clinical Oral Implants Research</i> , 2017, 28, 381-387.	4.5	40
50	Premature Osteoblast Clustering by Enamel Matrix Proteins Induces Osteoblast Differentiation through Up-Regulation of Connexin 43 and N-Cadherin. <i>PLoS ONE</i> , 2011, 6, e23375.	2.5	39
51	Tcf12, A Member of Basic Helix-Loop-Helix Transcription Factors, Mediates Bone Marrow Mesenchymal Stem Cell Osteogenic Differentiation <i>In Vitro</i> and <i>In Vivo</i> . <i>Stem Cells</i> , 2017, 35, 386-397.	3.2	38
52	<i>In vivo</i> experimental study on bone regeneration in critical bone defects using PIB nanogels/boron-containing mesoporous bioactive glass composite scaffold. <i>International Journal of Nanomedicine</i> , 2015, 10, 839.	6.7	35
53	Recombinant Human Bone Morphogenetic Protein 9 (rhBMP9) Induced Osteoblastic Behavior on a Collagen Membrane Compared With rhBMP2. <i>Journal of Periodontology</i> , 2016, 87, e101-e107.	3.4	35
54	Effect of the degree of conversion of resin-based composites on cytotoxicity, cell attachment, and gene expression. <i>Dental Materials</i> , 2019, 35, 1173-1193.	3.5	35

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55	Biologization of Collagen-Based Biomaterials Using Liquid-Platelet-Rich Fibrin: New Insights into Clinically Applicable Tissue Engineering. <i>Materials</i> , 2019, 12, 3993.	2.9	35
56	Periodontal Regeneration Using Strontium-Loaded Mesoporous Bioactive Glass Scaffolds in Osteoporotic Rats. <i>PLoS ONE</i> , 2014, 9, e104527.	2.5	34
57	Effects of enamel matrix proteins in combination with a bovine-derived natural bone mineral for the repair of bone defects. <i>Clinical Oral Investigations</i> , 2014, 18, 471-478.	3.0	33
58	Nanogel-based scaffolds fabricated for bone regeneration with mesoporous bioactive glass and strontium: <i>in vitro</i> and <i>in vivo</i> characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1175-1183.	4.0	33
59	<i>In vitro</i> effects of hyaluronic acid on human periodontal ligament cells. <i>BMC Oral Health</i> , 2017, 17, 44.	2.3	32
60	Bone scaffolds loaded with siRNA-Semaphorin4d for the treatment of osteoporosis related bone defects. <i>Scientific Reports</i> , 2016, 6, 26925.	3.3	31
61	Comparison of the effects of recombinant human bone morphogenetic protein-2 and -9 on bone formation in rat calvarial critical-size defects. <i>Clinical Oral Investigations</i> , 2017, 21, 2671-2679.	3.0	31
62	Evaluation of 24 protocols for the production of platelet-rich fibrin. <i>BMC Oral Health</i> , 2020, 20, 310.	2.3	31
63	Addition of a Synthetically Fabricated Osteoinductive Biphasic Calcium Phosphate Bone Graft to BMP2 Improves New Bone Formation. <i>Clinical Implant Dentistry and Related Research</i> , 2016, 18, 1238-1247.	3.7	30
64	Effect of Liquid Platelet-rich Fibrin and Platelet-rich Plasma on the Regenerative Potential of Dental Pulp Cells Cultured under Inflammatory Conditions: A Comparative Analysis. <i>Journal of Endodontics</i> , 2019, 45, 1000-1008.	3.1	30
65	Impact of bone graft harvesting techniques on bone formation and graft resorption: a histomorphometric study in the mandibles of minipigs. <i>Clinical Oral Implants Research</i> , 2015, 26, 383-391.	4.5	29
66	Setd7 and its contribution to Boron-induced bone regeneration in Boron-mesoporous bioactive glass scaffolds. <i>Acta Biomaterialia</i> , 2018, 73, 522-530.	8.3	28
67	Collagen Membranes Adsorb the Transforming Growth Factor- β Receptor I Kinase-Dependent Activity of Enamel Matrix Derivative. <i>Journal of Periodontology</i> , 2016, 87, 583-590.	3.4	27
68	Setd2 is associated with strontium-induced bone regeneration. <i>Acta Biomaterialia</i> , 2017, 53, 495-505.	8.3	27
69	Five Year Results Evaluating the Effects of Platelet-Rich Plasma on the Healing of Intrabony Defects Treated With an Enamel Matrix Derivative and a Natural Bone Mineral. <i>Journal of Periodontology</i> , 2013, 84, 1-12.	3.4	26
70	Effect of Enamel Matrix Derivative Liquid on Osteoblast and Periodontal Ligament Cell Proliferation and Differentiation. <i>Journal of Periodontology</i> , 2016, 87, 91-99.	3.4	26
71	Bone grafting material in combination with Osteogain for bone repair: a rat histomorphometric study. <i>Clinical Oral Investigations</i> , 2016, 20, 589-595.	3.0	26
72	Effectiveness of Photodynamic Therapy in the Treatment of Periodontal and Peri-Implant Diseases. <i>Monographs in Oral Science</i> , 2021, 29, 133-143.	1.8	26

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73	Cell Membrane Display Nanotechnology. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001014.	7.6	25
74	Influence of Enamel Matrix Derivative on Cells at Different Maturation Stages of Differentiation. <i>PLoS ONE</i> , 2013, 8, e71008.	2.5	24
75	Effects of platelet rich plasma (PRP) on human gingival fibroblast, osteoblast and periodontal ligament cell behaviour. <i>BMC Oral Health</i> , 2017, 17, 91.	2.3	24
76	In Vitro Evaluation of Demineralized Freeze-Dried Bone Allograft in Combination With Enamel Matrix Derivative. <i>Journal of Periodontology</i> , 2013, 84, 1646-1654.	3.4	23
77	Autologous Versatile Vesicles Incorporated Biomimetic Extracellular Matrix Induces Biom mineralization. <i>Advanced Functional Materials</i> , 2020, 30, 2000015.	14.9	23
78	Osteogenic Properties of PBLG-g-HA/PLLA Nanocomposites. <i>PLoS ONE</i> , 2014, 9, e105876.	2.5	22
79	Effect of recombinant human bone morphogenic protein 9 (rhBMP9) loaded onto bone grafts versus barrier membranes on new bone formation in a rabbit calvarial defect model. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2655-2661.	4.0	22
80	Growth factor delivery of BMP9 using a novel natural bovine bone graft with integrated atelocollagen type I: Biosynthesis, characterization, and cell behavior. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 408-418.	4.0	22
81	Guided bone regeneration with recombinant human bone morphogenetic protein 9 loaded on either deproteinized bovine bone mineral or a collagen barrier membrane. <i>Clinical Implant Dentistry and Related Research</i> , 2017, 19, 600-607.	3.7	21
82	The role of macrophage polarization on fibroblast behavior-an in vitro investigation on titanium surfaces. <i>Clinical Oral Investigations</i> , 2018, 22, 847-857.	3.0	21
83	Temperature/pH-Sensitive Nanoantibiotics and Their Sequential Assembly for Optimal Collaborations between Antibacterial and Immunoregulation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31589-31599.	8.0	20
84	Effect of hyaluronic acid on morphological changes to dentin surfaces and subsequent effect on periodontal ligament cell survival, attachment, and spreading. <i>Clinical Oral Investigations</i> , 2017, 21, 1013-1019.	3.0	19
85	Absorbable collagen sponges loaded with recombinant bone morphogenetic protein 9 induces greater osteoblast differentiation when compared to bone morphogenetic protein 2. <i>Clinical and Experimental Dental Research</i> , 2017, 3, 32-40.	1.9	19
86	Superior bone-inducing potential of rhBMP9 compared to rhBMP2. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1561-1574.	4.0	19
87	Modulating macrophage polarization on titanium implant surface by poly(dopamine)-assisted immobilization of IL4. <i>Clinical Implant Dentistry and Related Research</i> , 2019, 21, 977-986.	3.7	19
88	Hyaluronic acid slows down collagen membrane degradation in uncontrolled diabetic rats. <i>Journal of Periodontal Research</i> , 2019, 54, 644-652.	2.7	19
89	Hyaluronic Acid Gel-Based Scaffolds as Potential Carrier for Growth Factors: An In Vitro Bioassay on Its Osteogenic Potential. <i>Journal of Clinical Medicine</i> , 2016, 5, 112.	2.4	18
90	Effects of EMD liquid (Osteogain) on periodontal healing in class III furcation defects in monkeys. <i>Journal of Clinical Periodontology</i> , 2017, 44, 298-307.	4.9	18

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91	HnRNPL inhibits the osteogenic differentiation of PDLCs stimulated by SrCl ₂ through repressing Setd2. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2667-2677.	3.6	18
92	Enamel Matrix Protein Adsorption to Root Surfaces in the Presence or Absence of Human Blood. <i>Journal of Periodontology</i> , 2012, 83, 885-892.	3.4	17
93	In vitro characterization of a synthetic calcium phosphate bone graft on periodontal ligament cell and osteoblast behavior and its combination with an enamel matrix derivative. <i>Clinical Oral Investigations</i> , 2014, 18, 443-451.	3.0	17
94	Osteogain improves osteoblast adhesion, proliferation and differentiation on a bovine-derived natural bone mineral. <i>Clinical Oral Implants Research</i> , 2017, 28, 327-333.	4.5	17
95	Enamel matrix derivative improves gingival fibroblast cell behavior cultured on titanium surfaces. <i>Clinical Oral Investigations</i> , 2016, 20, 685-695.	3.0	16
96	Response of human dental pulp cells to a silver-containing PLGA/TCP-nanofabric as a potential antibacterial regenerative pulp-capping material. <i>BMC Oral Health</i> , 2017, 17, 57.	2.3	16
97	The Role of Mst1 in Lymphocyte Homeostasis and Function. <i>Frontiers in Immunology</i> , 2018, 9, 149.	4.8	16
98	Liquid Platelet-Rich Fibrin and Heat-Coagulated Albumin Gel: Bioassays for TGF- β 2 Activity. <i>Materials</i> , 2020, 13, 3466.	2.9	16
99	Platelet-Rich Fibrin Can Neutralize Hydrogen Peroxide-Induced Cell Death in Gingival Fibroblasts. <i>Antioxidants</i> , 2020, 9, 560.	5.1	16
100	Platelet-Rich Fibrin Decreases the Inflammatory Response of Mesenchymal Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11333.	4.1	16
101	Variability in Particle Degradation of Four Commonly Employed Dental Bone Grafts. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 996-1003.	3.7	15
102	Effects of Antiseptic Solutions Commonly Used in Dentistry on Bone Viability, Bone Morphology, and Release of Growth Factors. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 247-254.	1.2	15
103	In vitro characterization of an osteoinductive biphasic calcium phosphate in combination with recombinant BMP2. <i>BMC Oral Health</i> , 2017, 17, 35.	2.3	15
104	Recombinant human BMP9 (RhBMP9) in comparison with rhBMP2 for ridge augmentation following tooth extraction: An experimental study in the Beagle dog. <i>Clinical Oral Implants Research</i> , 2018, 29, 1050-1059.	4.5	15
105	Antiseptic solutions modulate the paracrine-like activity of bone chips: differential impact of chlorhexidine and sodium hypochlorite. <i>Journal of Clinical Periodontology</i> , 2015, 42, 883-891.	4.9	14
106	Inorganic Self-Assembled Bioactive Artificial Proto-Osteocells Inducing Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10718-10728.	8.0	14
107	Effect of Enamel Matrix Derivative on Periodontal Wound Healing and Regeneration in an Osteoporotic Model. <i>Journal of Periodontology</i> , 2014, 85, 1603-1611.	3.4	13
108	Osteogenic potential of recombinant human bone morphogenetic protein-9/absorbable collagen sponge (rhBMP-9/ACS) in rat critical size calvarial defects. <i>Clinical Oral Investigations</i> , 2017, 21, 1659-1665.	3.0	13

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109	Reply from authors: RE: Optimized platelet-rich fibrin with the low-speed concept: Growth factor release, biocompatibility, and cellular response. <i>Journal of Periodontology</i> , 2019, 90, 122-125.	3.4	13
110	Liquid PRF Reduces the Inflammatory Response and Osteoclastogenesis in Murine Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 636427.	4.8	13
111	Osteogenic gene array of osteoblasts cultured on a novel osteoinductive biphasic calcium phosphate bone grafting material. <i>Clinical Oral Investigations</i> , 2017, 21, 801-808.	3.0	12
112	Bone conditioned media (BCM) improves osteoblast adhesion and differentiation on collagen barrier membranes. <i>BMC Oral Health</i> , 2017, 17, 7.	2.3	12
113	Preparation, characterization and biological properties of a novel bone block composed of platelet rich fibrin and a deproteinized bovine bone mineral. <i>Fundamental Research</i> , 2022, 2, 321-328.	3.3	12
114	Enamel matrix derivative in combination with bone grafts: A review of the literature. <i>Quintessence International</i> , 2014, 45, 475-87.	0.4	12
115	Fibrinogen Concentrations in Liquid PRF Using Various Centrifugation Protocols. <i>Molecules</i> , 2022, 27, 2043.	3.8	12
116	Platelet-derived growth factor BB gene-released scaffolds: biosynthesis and characterization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, E372-E381.	2.7	11
117	Effects of argon plasma treatment on the osteoconductivity of bone grafting materials. <i>Clinical Oral Investigations</i> , 2020, 24, 2611-2623.	3.0	11
118	Effect of bone graft density on in vitro cell behavior with enamel matrix derivative. <i>Clinical Oral Investigations</i> , 2015, 19, 1643-1651.	3.0	10
119	Influence of biphasic calcium phosphate surfaces coated with Enamel Matrix Derivative on vertical bone growth in an extraoral rabbit model. <i>Clinical Oral Implants Research</i> , 2016, 27, 1297-1304.	4.5	10
120	Recombinant human bone morphogenetic protein (rhBMP)9 induces osteoblast differentiation when combined with demineralized freeze-dried bone allografts (DFDBAs) or biphasic calcium phosphate (BCP). <i>Clinical Oral Investigations</i> , 2017, 21, 1883-1893.	3.0	10
121	An in vitro study of fibrin sealant as a carrier system for recombinant human bone morphogenetic protein (rhBMP)9 for bone tissue engineering. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 27-32.	1.7	10
122	EZH1 Is Associated with TCP-Induced Bone Regeneration through Macrophage Polarization. <i>Stem Cells International</i> , 2018, 2018, 1-10.	2.5	10
123	The interactions of dendritic cells with osteoblasts on titanium surfaces: an in vitro investigation. <i>Clinical Oral Investigations</i> , 2019, 23, 4133-4143.	3.0	10
124	Platelet-Rich Fibrin Increases BMP2 Expression in Oral Fibroblasts via Activation of TGF- β 2 Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7935.	4.1	10
125	Osteogain® loaded onto an absorbable collagen sponge induces attachment and osteoblast differentiation of ST2 cells in vitro. <i>Clinical Oral Investigations</i> , 2017, 21, 2265-2272.	3.0	9
126	Effects of air polishing and an amino acid buffered hypochlorite solution to dentin surfaces and periodontal ligament cell survival, attachment, and spreading. <i>Clinical Oral Investigations</i> , 2017, 21, 1589-1598.	3.0	9

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127	Telomere length and genetic variations affecting telomere length as biomarkers for facial regeneration with platelet-rich fibrin based on the low-speed centrifugation concept. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 408-413.	1.6	9
128	Characterization of a shorter recombinant polypeptide chain of bone morphogenetic protein 2 on osteoblast behaviour. <i>BMC Oral Health</i> , 2015, 15, 171.	2.3	8
129	Pre-coating deproteinized bovine bone mineral (DBBM) with bone-conditioned medium (BCM) improves osteoblast migration, adhesion, and differentiation in vitro. <i>Clinical Oral Investigations</i> , 2016, 20, 2507-2513.	3.0	8
130	Effect of enamel matrix derivative liquid in combination with a natural bone mineral on new bone formation in a rabbit GBR model. <i>Clinical Oral Implants Research</i> , 2019, 30, 542-549.	4.5	8
131	Distribution and quantification of activated platelets in platelet-rich fibrin matrices. <i>Platelets</i> , 2020, , 1-6.	2.3	8
132	Nanoparticles Promote Bacterial Antibiotic Tolerance via Inducing Hyperosmotic Stress Response. <i>Small</i> , 2022, 18, e2105525.	10.0	8
133	Healing of two-wall intra-bony defects treated with a novel EMD-liquid: A pre-clinical study in monkeys. <i>Journal of Clinical Periodontology</i> , 2017, 44, 1264-1273.	4.9	7
134	Relative Centrifugal Force (RCF; G-Force) Affects the Distribution of TGF- β 2 in PRF Membranes Produced Using Horizontal Centrifugation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7629.	4.1	7
135	Allogenic tooth transplantation using 3D printing: A case report and review of the literature. <i>World Journal of Clinical Cases</i> , 2019, 7, 2587-2596.	0.8	7
136	In vitro characterization of PBLG-g-HA/ PLLA nanocomposite scaffolds. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 841-847.	1.0	6
137	Gene array of PDL cells exposed to Osteogain in combination with a bone grafting material. <i>Clinical Oral Investigations</i> , 2016, 20, 2037-2043.	3.0	6
138	In vitro evaluation of an injectable biphasic calcium phosphate (BCP) carrier system combined with recombinant human bone morphogenetic protein (rhBMP)-9. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 293-304.	0.6	6
139	Comparison of Two Porcine Collagen Membranes Combined with rhBMP-2 and rhBMP-9 on Osteoblast Behavior In Vitro. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, e221-e230.	1.4	6
140	Extending the working properties of liquid platelet-rich fibrin using chemically modified PET tubes and the Bio-Cool device. <i>Clinical Oral Investigations</i> , 2022, 26, 2873-2878.	3.0	6
141	Blood Clots versus PRF: Activating TGF- β 2 Signaling and Inhibiting Inflammation In Vitro. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5897.	4.1	6
142	Combination of enamel matrix derivative and hyaluronic acid inhibits lipopolysaccharide-induced inflammatory response on human epithelial and bone cells. <i>Clinical Oral Investigations</i> , 2022, 26, 1773-1783.	3.0	5
143	Cross-linked hyaluronic acid slows down collagen membrane resorption in diabetic rats through reducing the number of macrophages. <i>Clinical Oral Investigations</i> , 2022, 26, 2401-2411.	3.0	5
144	The effect of resting and compression time post-centrifugation on the characteristics of platelet rich fibrin (PRF) membranes. <i>Clinical Oral Investigations</i> , 2022, , 1.	3.0	5

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145	In Vitro Comparison of Macrophage Polarization and Osteoblast Differentiation Potentials between Granules and Block Forms of Deproteinized Bovine Bone Mineral. <i>Materials</i> , 2020, 13, 2682.	2.9	4
146	Structure, Barrier Function, and Bioactivity of Platelet-Rich Fibrin Following Thermal Processing. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 605-615.	2.1	4
147	Comparison of the effects of platelet concentrates produced by high and low-speed centrifugation protocols on the healing of critical-size defects in rat calvaria: a microtomographic and histomorphometric study. <i>Platelets</i> , 2022, 33, 1175-1184.	2.3	4
148	In vitro effects of 0 to 120 Grays of irradiation on bone viability and release of growth factors. <i>BMC Oral Health</i> , 2017, 17, 4.	2.3	3
149	Risk Indicators and Prevention of Implant Soft-Tissue Complications: Interproximal Papillae Loss and Midfacial Implant Mucosal Recessions. <i>Compendium of Continuing Education in Dentistry (jamesburg,)</i> Tj ETQq1 10.17843143rgBT /O	1.7	4