

Fa-Ming Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6414212/fa-ming-chen-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

5,006

citations

37

h-index

70

g-index

98

ext. papers

5,890

ext. citations

8.7

avg, IF

6.04

L-index

#	Paper	IF	Citations
88	Advancing biomaterials of human origin for tissue engineering. <i>Progress in Polymer Science</i> , 2016 , 53, 86-168	29.6	575
87	Toward delivery of multiple growth factors in tissue engineering. <i>Biomaterials</i> , 2010 , 31, 6279-308	15.6	510
86	Homing of endogenous stem/progenitor cells for in situ tissue regeneration: Promises, strategies, and translational perspectives. <i>Biomaterials</i> , 2011 , 32, 3189-209	15.6	275
85	A review on endogenous regenerative technology in periodontal regenerative medicine. <i>Biomaterials</i> , 2010 , 31, 7892-927	15.6	259
84	Periodontal tissue engineering and regeneration: current approaches and expanding opportunities. <i>Tissue Engineering - Part B: Reviews</i> , 2010 , 16, 219-55	7.9	229
83	Stem cell-delivery therapeutics for periodontal tissue regeneration. <i>Biomaterials</i> , 2012 , 33, 6320-44	15.6	206
82	Treatment of periodontal intrabony defects using autologous periodontal ligament stem cells: a randomized clinical trial. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 33	8.3	150
81	Comparison of mesenchymal stem cells derived from gingival tissue and periodontal ligament in different incubation conditions. <i>Biomaterials</i> , 2013 , 34, 7033-47	15.6	135
80	The effect of aging on the pluripotential capacity and regenerative potential of human periodontal ligament stem cells. <i>Biomaterials</i> , 2012 , 33, 6974-86	15.6	122
79	Mesenchymal stem cell characteristics of dental pulp and periodontal ligament stem cells after in vivo transplantation. <i>Biomaterials</i> , 2014 , 35, 6332-43	15.6	112
78	Localized delivery of growth factors for periodontal tissue regeneration: role, strategies, and perspectives. <i>Medicinal Research Reviews</i> , 2009 , 29, 472-513	14.4	111
77	New insights into and novel applications of release technology for periodontal reconstructive therapies. <i>Journal of Controlled Release</i> , 2011 , 149, 92-110	11.7	110
76	In vitro cellular responses to scaffolds containing two microencapsulated growth factors. <i>Biomaterials</i> , 2009 , 30, 5215-24	15.6	109
75	Novel glycidyl methacrylated dextran (Dex-GMA)/gelatin hydrogel scaffolds containing microspheres loaded with bone morphogenetic proteins: formulation and characteristics. <i>Journal of Controlled Release</i> , 2007 , 118, 65-77	11.7	98
74	Exosomes secreted by stem cells from human exfoliated deciduous teeth contribute to functional recovery after traumatic brain injury by shifting microglia M1/M2 polarization in rats. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 198	8.3	93
73	Enhancement of periodontal tissue regeneration by locally controlled delivery of insulin-like growth factor-I from dextran-co-gelatin microspheres. <i>Journal of Controlled Release</i> , 2006 , 114, 209-22	11.7	88
72	The combined use of cell sheet fragments of periodontal ligament stem cells and platelet-rich fibrin granules for avulsed tooth reimplantation. <i>Biomaterials</i> , 2013 , 34, 5506-20	15.6	84

71	Periodontal regeneration using novel glycidyl methacrylated dextran (Dex-GMA)/gelatin scaffolds containing microspheres loaded with bone morphogenetic proteins. <i>Journal of Controlled Release</i> , 2007 , 121, 81-90	11.7	72
70	The effects of human platelet lysate on dental pulp stem cells derived from impacted human third molars. <i>Biomaterials</i> , 2012 , 33, 5023-35	15.6	64
69	Concise Review: Periodontal Tissue Regeneration Using Stem Cells: Strategies and Translational Considerations. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 392-403	6.9	62
68	Prospects for translational regenerative medicine. <i>Biotechnology Advances</i> , 2012 , 30, 658-72	17.8	61
67	The adjuvant use of stromal vascular fraction and platelet-rich fibrin for autologous adipose tissue transplantation. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 1-14	2.9	59
66	Release of bioactive BMP from dextran-derived microspheres: a novel delivery concept. <i>International Journal of Pharmaceutics</i> , 2006 , 307, 23-32	6.5	58
65	The effect of the coumarin-like derivative osthole on the osteogenic properties of human periodontal ligament and jaw bone marrow mesenchymal stem cell sheets. <i>Biomaterials</i> , 2013 , 34, 9937-51 ⁶	15.6	57
64	Biological approaches toward dental pulp regeneration by tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, e1-16	4.4	53
63	Stem cells derived from "inflamed" and healthy periodontal ligament tissues and their sheet functionalities: a patient-matched comparison. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 72-84	7.7	52
62	Macrophage polarization in human gingival tissue in response to periodontal disease. <i>Oral Diseases</i> , 2019 , 25, 265-273	3.5	52
61	The use of platelet-rich fibrin combined with periodontal ligament and jaw bone mesenchymal stem cell sheets for periodontal tissue engineering. <i>Scientific Reports</i> , 2016 , 6, 28126	4.9	47
60	Macrophage involvement affects matrix stiffness-related influences on cell osteogenesis under three-dimensional culture conditions. <i>Acta Biomaterialia</i> , 2018 , 71, 132-147	10.8	46
59	Building capacity for macrophage modulation and stem cell recruitment in high-stiffness hydrogels for complex periodontal regeneration: Experimental studies in vitro and in rats. <i>Acta Biomaterialia</i> , 2019 , 88, 162-180	10.8	45
58	Biphasic silica/apatite co-mineralized collagen scaffolds stimulate osteogenesis and inhibit RANKL-mediated osteoclastogenesis. <i>Acta Biomaterialia</i> , 2015 , 19, 23-32	10.8	41
57	Surface-engineering of glycidyl methacrylated dextran/gelatin microcapsules with thermo-responsive poly(N-isopropylacrylamide) gates for controlled delivery of stromal cell-derived factor-1. <i>Biomaterials</i> , 2013 , 34, 6515-27	15.6	41
56	Biomaterials for endogenous regenerative medicine: Coaxing stem cell homing and beyond. <i>Applied Materials Today</i> , 2018 , 11, 144-165	6.6	39
55	Designing biomaterials for in situ periodontal tissue regeneration. <i>Biotechnology Progress</i> , 2012 , 28, 3-20.8	20.8	38
54	The use of calcium phosphate-based biomaterials in implant dentistry. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 853-62	4.5	38

53	Age-related decline in the matrix contents and functional properties of human periodontal ligament stem cell sheets. <i>Acta Biomaterialia</i> , 2015 , 22, 70-82	10.8	37
52	Mesenchymal stem cells inhibit multiple myeloma cells via the Fas/Fas ligand pathway. <i>Stem Cell Research and Therapy</i> , 2013 , 4, 111	8.3	37
51	Directing immunomodulation using biomaterials for endogenous regeneration. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 569-584	7.3	35
50	Investigation of dental pulp stem cells isolated from discarded human teeth extracted due to aggressive periodontitis. <i>Biomaterials</i> , 2014 , 35, 9459-72	15.6	35
49	Influences of age-related changes in mesenchymal stem cells on macrophages during in-vitro culture. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 153	8.3	33
48	Modulating macrophage responses to promote tissue regeneration by changing the formulation of bone extracellular matrix from filler particles to gel bioscaffolds. <i>Materials Science and Engineering C</i> , 2019 , 101, 330-340	8.3	32
47	Melatonin Inhibits Reactive Oxygen Species-Driven Proliferation, Epithelial-Mesenchymal Transition, and Vasculogenic Mimicry in Oral Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 3510970	6.7	30
46	Composite glycidyl methacrylated dextran (Dex-GMA)/gelatin nanoparticles for localized protein delivery. <i>Acta Pharmacologica Sinica</i> , 2009 , 30, 485-93	8	29
45	The effects of conditioned media generated by polarized macrophages on the cellular behaviours of bone marrow mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018 , 22, 1302-1315	5.6	28
44	Translational research and therapeutic applications of stem cell transplantation in periodontal regenerative medicine. <i>Cell Transplantation</i> , 2013 , 22, 205-29	4	27
43	Administration of signalling molecules dictates stem cell homing for in situ regeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 3162-3177	5.6	27
42	Role of the P2X7 receptor in inflammation-mediated changes in the osteogenesis of periodontal ligament stem cells. <i>Cell Death and Disease</i> , 2019 , 10, 20	9.8	26
41	Stromal cell-derived factor-1-directed bone marrow mesenchymal stem cell migration in response to inflammatory and/or hypoxic stimuli. <i>Cell Adhesion and Migration</i> , 2016 , 10, 342-59	3.2	25
40	Preparation of recombinant human bone morphogenetic protein-2 loaded dextran-based microspheres and their characteristics. <i>Acta Pharmacologica Sinica</i> , 2005 , 26, 1093-103	8	25
39	Engineering a Cell Home for Stem Cell Homing and Accommodation. <i>Advanced Biology</i> , 2017 , 1, e17000045	3.5	24
38	Effects of short-term inflammatory and/or hypoxic pretreatments on periodontal ligament stem cells: in vitro and in vivo studies. <i>Cell and Tissue Research</i> , 2016 , 366, 311-328	4.2	24
37	The proangiogenic effects of extracellular vesicles secreted by dental pulp stem cells derived from periodontally compromised teeth. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 110	8.3	22
36	M2 Macrophages Enhance the Cementoblastic Differentiation of Periodontal Ligament Stem Cells via the Akt and JNK Pathways. <i>Stem Cells</i> , 2019 , 37, 1567-1580	5.8	19

35	Gene delivery for periodontal tissue engineering: current knowledge - future possibilities. <i>Current Gene Therapy</i> , 2009 , 9, 248-66	4.3	19
34	Hypoxia and low-dose inflammatory stimulus synergistically enhance bone marrow mesenchymal stem cell migration. <i>Cell Proliferation</i> , 2017 , 50,	7.9	18
33	Influence of Non-Impacted Third Molars on Pathologies of Adjacent Second Molars: A Retrospective Study. <i>Journal of Periodontology</i> , 2017 , 88, 450-456	4.6	16
32	Exosomes derived from M0, M1 and M2 macrophages exert distinct influences on the proliferation and differentiation of mesenchymal stem cells. <i>PeerJ</i> , 2020 , 8, e8970	3.1	16
31	Pore size-mediated macrophage M1-to-M2 transition influences new vessel formation within the compartment of a scaffold. <i>Applied Materials Today</i> , 2020 , 18, 100466	6.6	16
30	Platelet lysate supports the in vitro expansion of human periodontal ligament stem cells for cytotherapeutic use. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2261-2275	4.4	15
29	Calcitriol suppresses lipopolysaccharide-induced alveolar bone damage in rats by regulating T helper cell subset polarization. <i>Journal of Periodontal Research</i> , 2019 , 54, 612-623	4.3	15
28	Cell Responses to Conditioned Media Produced by Patient-Matched Stem Cells Derived From Healthy and Inflamed Periodontal Ligament Tissues. <i>Journal of Periodontology</i> , 2016 , 87, e53-63	4.6	15
27	Suppression of histone deacetylases by SAHA relieves bone cancer pain in rats via inhibiting activation of glial cells in spinal dorsal horn and dorsal root ganglia. <i>Journal of Neuroinflammation</i> , 2020 , 17, 125	10.1	14
26	The relationship between T-helper cell polarization and the RANKL/OPG ratio in gingival tissues from chronic periodontitis patients. <i>Clinical and Experimental Dental Research</i> , 2019 , 5, 377-388	1.9	13
25	In vitro cell behaviors of bone mesenchymal stem cells derived from normal and postmenopausal osteoporotic rats. <i>International Journal of Molecular Medicine</i> , 2018 , 41, 669-678	4.4	13
24	Exosomes derived from P2X7 receptor gene-modified cells rescue inflammation-compromised periodontal ligament stem cells from dysfunction. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1414-1430	6.9	11
23	ECM-mimicking nanofibrous matrix coaxes macrophages toward an anti-inflammatory phenotype: Cellular behaviors and transcriptome analysis. <i>Applied Materials Today</i> , 2020 , 18, 100508-100508	6.6	10
22	Surface modification via plasmid-mediated pLAMA3-CM gene transfection promotes the attachment of gingival epithelial cells to titanium sheets in vitro and improves biological sealing at the transmucosal sites of titanium implants in vivo. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 7415-7427	7.3	10
21	Advanced Biotechnologies Toward Engineering a Cell Home for Stem Cell Accommodation. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700022	6.8	9
20	Effect of Asymptomatic Visible Third Molars on Periodontal Health of Adjacent Second Molars: A Cross-Sectional Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017 , 75, 2048-2057	1.8	8
19	Inhibition of Histone Deacetylases Attenuates Morphine Tolerance and Restores MOR Expression in the DRG of BCP Rats. <i>Frontiers in Pharmacology</i> , 2018 , 9, 509	5.6	8
18	Periodontal Tissue Engineering 2014 , 1507-1540		8

17	Calcitriol inhibits osteoclastogenesis in an inflammatory environment by changing the proportion and function of T helper cell subsets (Th2/Th17). <i>Cell Proliferation</i> , 2020 , 53, e12827	7.9	7
16	Expression of dentine sialophosphoprotein in mouse nasal cartilage. <i>Archives of Oral Biology</i> , 2012 , 57, 607-13	2.8	7
15	Assessment of cellular materials generated by co-cultured inflamed and healthy periodontal ligament stem cells from patient-matched groups. <i>Experimental Cell Research</i> , 2016 , 346, 119-29	4.2	7
14	Novel composite nanoparticles based on glycidyl methacrylate-derivatized dextrans and gelatin as new bone morphogenetic protein carrier. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 568	5.4	6
13	Nonimpacted Third Molars Affect the Periodontal Status of Adjacent Teeth: A Cross-Sectional Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017 , 75, 1344-1350	1.8	5
12	Effects of cathepsin K on Emdogain-induced hard tissue formation by human periodontal ligament stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 2922-2934	4.4	5
11	The Critical Role of Cell Homing in Cytotherapeutics and Regenerative Medicine. <i>Advanced Therapeutics</i> , 2019 , 2, 1800098	4.9	5
10	Human platelet lysate supports the formation of robust human periodontal ligament cell sheets. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 961-972	4.4	4
9	Melatonin induces the rejuvenation of long-term ex vivo expanded periodontal ligament stem cells by modulating the autophagic process. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 254	8.3	4
8	Periodontitis-compromised dental pulp stem cells secrete extracellular vesicles carrying miRNA-378a promote local angiogenesis by targeting Sufu to activate the Hedgehog/Gli1 signalling. <i>Cell Proliferation</i> , 2021 , 54, e13026	7.9	3
7	Impacts of non-impacted third molar removal on the periodontal condition of adjacent second molars. <i>Oral Diseases</i> , 2020 , 26, 1010-1019	3.5	2
6	Research progress on the hedgehog signalling pathway in regulating bone formation and homeostasis.. <i>Cell Proliferation</i> , 2021 , e13162	7.9	2
5	Periodontal tissue engineering and regeneration 2020 , 1221-1249		1
4	Removal of nonimpacted third molars alters the periodontal condition of their neighbors clinically, immunologically, and microbiologically. <i>International Journal of Oral Science</i> , 2021 , 13, 5	27.9	1
3	LncRNA GACAT2 binds with protein PKM1/2 to regulate cell mitochondrial function and cementogenesis in an inflammatory environment.. <i>Bone Research</i> , 2022 , 10, 29	13.3	0
2	Role of molybdenum in material immunomodulation and periodontal wound healing: Targeting immunometabolism and mitochondrial function for macrophage modulation.. <i>Biomaterials</i> , 2022 , 283, 121439	15.6	0
1	Periodontal Bioengineering Strategies: The Present Status and Some Developing Trends 2013 , 501-524		