

Xiaohui Rausch-Fan

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,720
citations

230014

27
h-index

242451

47
g-index

103
all docs

103
docs citations

103
times ranked

4076
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-apoptotic effects of human gingival mesenchymal stromal cells on polymorphonuclear leucocytes. <i>Oral Diseases</i> , 2022, 28, 777-785.	1.5	8
2	The effect of modifying the nanostructure of gelatin fiber scaffolds on early angiogenesis in vitro and in vivo. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 015010.	1.7	2
3	Comparison of Implant Placement Accuracy in Healed and Fresh Extraction Sockets between Static and Dynamic Computer-Assisted Implant Surgery Navigation Systems: A Model-Based Evaluation. <i>Materials</i> , 2022, 15, 2806.	1.3	7
4	Effect of interdental brush design on plaque during nonsurgical periodontal therapy. <i>Clinical Oral Investigations</i> , 2021, 25, 87-94.	1.4	3
5	Transcriptional activity of vitamin D receptor in human periodontal ligament cells is diminished under inflammatory conditions. <i>Journal of Periodontology</i> , 2021, 92, 137-148.	1.7	7
6	Effectiveness of a 655-nm InGaAsP diode laser to detect subgingival calculus in patients with periodontal disease. <i>Journal of Periodontology</i> , 2021, 92, 547-552.	1.7	3
7	Thermal effects of various drill materials during implant site preparation—Ceramic vs. stainless steel drills: A comparative in vitro study in a standardised bovine bone model. <i>Clinical Oral Implants Research</i> , 2021, 32, 154-166.	1.9	8
8	Characteristics and frequency distribution of bone defect configurations in peri-implantitis lesions—A series of 193 cases. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 178-188.	1.6	8
9	Salivary MRP-8/14 and the presence of periodontitis-associated bacteria in children with bonded maxillary expansion treatment. <i>Clinical Oral Investigations</i> , 2021, 25, 3767-3774.	1.4	0
10	Potential Suppressive Effect of Nicotine on the Inflammatory Response in Oral Epithelial Cells: An In Vitro Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 483.	1.2	12
11	Effect of vitamin D 3 on the osteogenic differentiation of human periodontal ligament stromal cells under inflammatory conditions. <i>Journal of Periodontal Research</i> , 2021, 56, 579-588.	1.4	7
12	Temporomandibular Joint Osseous Morphology of Class I and Class II Malocclusions in the Normal Skeletal Pattern: A Cone-Beam Computed Tomography Study. <i>Diagnostics</i> , 2021, 11, 541.	1.3	8
13	Behavior of Primary Human Oral Keratinocytes Grown on Invisalign® SmartTrack® Material. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2826.	1.3	0
14	Effects of Er:YAG laser irradiation of different titanium surfaces on osteoblast response. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 22.	1.7	7
15	Effect of Enamel Matrix Derivatives on Osteoclast Formation from PBMC of Periodontitis Patients and Healthy Individuals after Interaction with Activated Endothelial Cells. <i>Medicina (Lithuania)</i> , 2021, 57, 269.	0.8	2
16	Short-term results of the combined application of neodymium-doped yttrium aluminum garnet (Nd:YAG) laser and erbium-doped yttrium aluminum garnet (Er:YAG) laser in the treatment of periodontal disease: a randomized controlled trial. <i>Clinical Oral Investigations</i> , 2021, 25, 6119-6126.	1.4	6
17	Cyclic tensile strain affects the response of human periodontal ligament stromal cells to tumor necrosis factor- α . <i>Clinical Oral Investigations</i> , 2021, , 1.	1.4	1
18	Saliva as a Source of Biomarkers for Periodontitis and Periimplantitis. <i>Frontiers in Dental Medicine</i> , 2021, 2, .	0.5	11

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19	Effects of collagen membranes and bone substitute differ in periodontal ligament cell microtissues and monolayers. <i>Journal of Periodontology</i> , 2021, , .	1.7	6
20	A Novel Quantitative Method for Tooth Grinding Surface Assessment Using 3D Scanning. <i>Diagnostics</i> , 2021, 11, 1483.	1.3	1
21	An in silico investigation of the effect of bolus properties on TMJ loading during mastication. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104836.	1.5	15
22	Interleukin-1 β Induced Matrix Metalloproteinase Expression in Human Periodontal Ligament-Derived Mesenchymal Stromal Cells under In Vitro Simulated Static Orthodontic Forces. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1027.	1.8	12
23	Is There an Association between Temporomandibular Disorders and Articular Eminence Inclination? A Systematic Review. <i>Diagnostics</i> , 2021, 11, 29.	1.3	4
24	Periodontal treatment does not result in detectable platelet activation in vivo. <i>Clinical Oral Investigations</i> , 2020, 24, 1853-1859.	1.4	5
25	Behaviour of Human Oral Epithelial Cells Grown on Invisalign $\hat{\text{A}}^{\text{R}}$ SmartTrack $\hat{\text{A}}^{\text{R}}$ Material. <i>Materials</i> , 2020, 13, 5311.	1.3	10
26	Is Topical Application of Hyaluronic Acid in Oral Lichen Planus Effective? A Randomized Controlled Crossover Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7988.	1.3	3
27	Vitamin D3 and Dental Mesenchymal Stromal Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4527.	1.3	6
28	Continuing Effect of Cytokines and Toll-Like Receptor Agonists on Indoleamine-2,3-Dioxygenase-1 in Human Periodontal Ligament Stem/Stromal Cells. <i>Cells</i> , 2020, 9, 2696.	1.8	12
29	Effect of Multi-Phosphonate Coating of Titanium Surfaces on Osteogenic Potential. <i>Materials</i> , 2020, 13, 5777.	1.3	2
30	Effect of implant surface material and roughness to the susceptibility of primary gingival fibroblasts to inflammatory stimuli. <i>Dental Materials</i> , 2020, 36, e194-e205.	1.6	23
31	Efficacy of occlusal splints in the treatment of temporomandibular disorders: a systematic review of randomized controlled trials. <i>Acta Odontologica Scandinavica</i> , 2020, 78, 580-589.	0.9	38
32	Cytokines Differently Define the Immunomodulation of Mesenchymal Stem Cells from the Periodontal Ligament. <i>Cells</i> , 2020, 9, 1222.	1.8	23
33	Pleiotropic effects of vitamin D 3 on CD4 + T lymphocytes mediated by human periodontal ligament cells and inflammatory environment. <i>Journal of Clinical Periodontology</i> , 2020, 47, 689-701.	2.3	8
34	Response of Human Mesenchymal Stromal Cells from Periodontal Tissue to LPS Depends on the Purity but Not on the LPS Source. <i>Mediators of Inflammation</i> , 2020, 2020, 1-17.	1.4	21
35	In vitro biocompatibility of biohybrid polymers membrane evaluated in human gingival fibroblasts. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2590-2598.	1.6	8
36	Effect of bisphosphonate treatment of titanium surfaces on alkaline phosphatase activity in osteoblasts: a systematic review and meta-analysis. <i>BMC Oral Health</i> , 2020, 20, 125.	0.8	18

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37	Methanandamide diminish the Porphyromonas gingivalis lipopolysaccharide induced response in human periodontal ligament cells. BMC Oral Health, 2020, 20, 107.	0.8	10
38	Photoactivated disinfection in periodontal treatment: A randomized controlled clinical split-mouth trial. Journal of Periodontology, 2019, 90, 1260-1269.	1.7	12
39	Soluble CD14 Enhances the Response of Periodontal Ligament Stem Cells to Toll-Like Receptor 2 Agonists. Mediators of Inflammation, 2019, 2019, 1-13.	1.4	24
40	Synergistic effects triggered by simultaneous Toll-like receptor 2 and 3 activation in human periodontal ligament stem cells. Journal of Periodontology, 2019, 90, 1190-1201.	1.7	21
41	The Influence of Type 2 Diabetes Mellitus on the Osseointegration of Titanium Implants With Different Surface Modifications: A Histomorphometric Study in High-Fat Diet/Low-Dose Streptozotocin-Treated Rats. Implant Dentistry, 2019, 28, 11-19.	1.7	13
42	1,25(OH)2D3 Differently Affects Immunomodulatory Activities of Mesenchymal Stem Cells Depending on the Presence of TNF- α , IL-1 β and IFN- γ . Journal of Clinical Medicine, 2019, 8, 2211.	1.0	14
43	The evolution of treatment over 80 years at the outpatient department of the Viennese school of dentistry. Community Dentistry and Oral Epidemiology, 2019, 47, 65-70.	0.9	1
44	Immunomodulatory properties of dental tissue-derived mesenchymal stem cells: Implication in disease and tissue regeneration. World Journal of Stem Cells, 2019, 11, 604-617.	1.3	123
45	Salivary neuropeptides, stress, and periodontitis. Journal of Periodontology, 2018, 89, 9-18.	1.7	25
46	Strontium ion attenuates lipopolysaccharide-stimulated proinflammatory cytokine expression and lipopolysaccharide-inhibited early osteogenic differentiation of human periodontal ligament cells. Journal of Periodontal Research, 2018, 53, 999-1008.	1.4	15
47	Peri-implant bone remodeling at the interface of three different implant types: a histomorphometric study in mini-pigs. Clinical Oral Implants Research, 2017, 28, 1443-1449.	1.9	10
48	The Effects of Hierarchical Micro/Nano-Structured Titanium Surface on Osteoblast Proliferation and Differentiation Under Diabetic Conditions. Implant Dentistry, 2017, 26, 263-269.	1.7	13
49	Response of human periodontal ligament stem cells to IFN- γ and TLR-agonists. Scientific Reports, 2017, 7, 12856.	1.6	43
50	Behavior of human periodontal ligament cells on dentin surfaces ablated with an ultra-short pulsed laser. Scientific Reports, 2017, 7, 12738.	1.6	3
51	Alpha-Lipoic Acid Alleviates High-Glucose Suppressed Osteogenic Differentiation of MC3T3-E1 Cells via Antioxidant Effect and PI3K/Akt Signaling Pathway. Cellular Physiology and Biochemistry, 2017, 42, 1897-1906.	1.1	31
52	Prevalence of Comorbidities in Periodontitis Patients Compared to the General Austrian Population. Journal of Periodontology, 2017, 89, 1-13.	1.7	18
53	High Mobility Group Box 1 Protein Level as a Novel Biomarker for the Development of Peri-Implant Disease. Scientific Reports, 2017, 7, 7027.	1.6	9
54	Serum levels of 25-hydroxyvitamin D are associated with periodontal disease. Clinical Oral Investigations, 2017, 21, 1553-1558.	1.4	50

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55	Oxidative Stress and Antioxidant System in Periodontitis. <i>Frontiers in Physiology</i> , 2017, 8, 910.	1.3	187
56	Effect of enamel matrix derivative on the angiogenic behaviors of human umbilical vein endothelial cells on different titanium surfaces. <i>Dental Materials Journal</i> , 2017, 36, 381-386.	0.8	6
57	Effects of Shock Waves on Expression of IL-6, IL-8, MCP-1, and TNF- α Expression by Human Periodontal Ligament Fibroblasts: An In Vitro Study. <i>Medical Science Monitor</i> , 2016, 22, 914-921.	0.5	22
58	Hot Topics in Clinical Oral Implants Research: Recent Trends in Literature Coverage. <i>Dentistry Journal</i> , 2016, 4, 13.	0.9	1
59	Soluble CD14 Enhances the Response of Periodontal Ligament Stem Cells to <i>P. gingivalis</i> Lipopolysaccharide. <i>PLoS ONE</i> , 2016, 11, e0160848.	1.1	37
60	Scientific Interests of 21st Century Clinical Oral Implant Research: Topical Trend Analysis. <i>Clinical Implant Dentistry and Related Research</i> , 2016, 18, 850-856.	1.6	13
61	<i>Magnolia officinalis</i> L. Fortified Gum Improves Resistance of Oral Epithelial Cells Against Inflammation. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 1167-1185.	1.5	5
62	Proliferation, behavior, and differentiation of osteoblasts on surfaces of different microroughness. <i>Dental Materials</i> , 2016, 32, 1374-1384.	1.6	119
63	Letter to the Editor: Authors'™ Response. <i>Journal of Periodontology</i> , 2016, 87, 1251-1252.	1.7	0
64	Comparative Analysis of Calcium-Binding Myeloid-Related Protein-8/14 in Saliva and Serum of Patients With Periodontitis and Healthy Individuals. <i>Journal of Periodontology</i> , 2016, 87, 184-192.	1.7	35
65	Effect of tyrosine-rich amelogenin peptide on behavior and differentiation of endothelial cells. <i>Clinical Oral Investigations</i> , 2016, 20, 2275-2284.	1.4	8
66	Effect of different enamel matrix derivative proteins on behavior and differentiation of endothelial cells. <i>Dental Materials</i> , 2015, 31, 822-832.	1.6	10
67	Behavior of osteoblasts on Ti surface with two different coating designed for orthodontic devices. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5335.	1.7	16
68	Potential mechanism for osseointegration of dental implants in Zucker diabetic fatty rats. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2015, 53, 748-753.	0.4	13
69	Different Concentrations of Glucose Regulate Proliferation and Osteogenic Differentiation of Osteoblasts Via the PI3 Kinase/Akt Pathway. <i>Implant Dentistry</i> , 2015, 24, 83-91.	1.7	23
70	Impact of extracorporeal shockwave therapy on tooth mobility in adult orthodontic patients: a randomized single-center placebo-controlled clinical trial. <i>Journal of Clinical Periodontology</i> , 2015, 42, 294-301.	2.3	11
71	Different effects of <i>Porphyromonas gingivalis</i> lipopolysaccharide and TLR2 agonist Pam3CSK4 on the adhesion molecules expression in endothelial cells. <i>Odontology / the Society of the Nippon Dental University</i> , 2015, 103, 19-26.	0.9	15
72	Total Antioxidant Capacity and Total Oxidant Status in Saliva of Periodontitis Patients in Relation to Bacterial Load. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 97.	1.8	37

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73	Both 25-Hydroxyvitamin-D3 and 1,25-Dihydroxyvitamin-D3 Reduces Inflammatory Response in Human Periodontal Ligament Cells. PLoS ONE, 2014, 9, e90301.	1.1	57
74	Endocannabinoids and Inflammatory Response in Periodontal Ligament Cells. PLoS ONE, 2014, 9, e107407.	1.1	25
75	Different effects of <i>P. gingivalis</i> LPS and <i>E. coli</i> LPS on the expression of interleukin-6 in human gingival fibroblasts. Acta Odontologica Scandinavica, 2014, 72, 337-345.	0.9	56
76	The angiogenic behaviors of human umbilical vein endothelial cells (HUVEC) in co-culture with osteoblast-like cells (MG-63) on different titanium surfaces. Dental Materials, 2014, 30, 839-847.	1.6	47
77	Impact of extracorporeal shock-wave therapy on the stability of temporary anchorage devices in adults: A single-center, randomized, placebo-controlled clinical trial. American Journal of Orthodontics and Dentofacial Orthopedics, 2014, 146, 413-422.	0.8	6
78	Microbial Analysis of Subgingival Plaque Samples Compared to That of Whole Saliva in Patients With Periodontitis. Journal of Periodontology, 2014, 85, 819-828.	1.7	69
79	Effect of Nicotine and Porphyromonas gingivalis Lipopolysaccharide on Endothelial Cells In Vitro. PLoS ONE, 2014, 9, e96942.	1.1	24
80	Non-surgical periodontal therapy influences salivary melatonin levels. Clinical Oral Investigations, 2013, 17, 1219-1225.	1.4	30
81	Nitric oxide production, systemic inflammation and lipid metabolism in periodontitis patients: possible gender aspect. Journal of Clinical Periodontology, 2013, 40, 916-923.	2.3	57
82	Salivary and Serum Chromogranin A and α -Amylase in Periodontal Health and Disease. Journal of Periodontology, 2012, 83, 1314-1321.	1.7	50
83	Effects of Choukroun's platelet-rich fibrin on bone regeneration in combination with deproteinized bovine bone mineral in maxillary sinus augmentation: A histological and histomorphometric study. Journal of Cranio-Maxillo-Facial Surgery, 2012, 40, 321-328.	0.7	146
84	Initial attachment, subsequent cell proliferation/viability and gene expression of epithelial cells related to attachment and wound healing in response to different titanium surfaces. Dental Materials, 2012, 28, 1207-1214.	1.6	65
85	Effect of simvastatin on the osteogenetic behavior of alveolar osteoblasts and periodontal ligament cells. Human Cell, 2012, 25, 29-35.	1.2	42
86	Serum Cytokine Levels in Periodontitis Patients in Relation to the Bacterial Load. Journal of Periodontology, 2011, 82, 885-892.	1.7	84
87	Effect of enamel matrix derivative on proliferation and differentiation of osteoblast cells grown on the titanium implant surface. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2011, 111, 517-522.	1.6	16
88	Proliferation, behavior, and cytokine gene expression of human umbilical vascular endothelial cells in response to different titanium surfaces. Journal of Biomedical Materials Research - Part A, 2010, 93A, 364-372.	2.1	28
89	The proliferation and differentiation of osteoblasts in co-culture with human umbilical vein endothelial cells: An improved analysis using fluorescence-activated cell sorting. Cellular and Molecular Biology Letters, 2010, 15, 517-29.	2.7	19
90	Osteogenic properties of hydrophilic and hydrophobic titanium surfaces evaluated with osteoblast-like cells (MG63) in coculture with human umbilical vein endothelial cells (HUVEC). Dental Materials, 2010, 26, 1043-1051.	1.6	45

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91	Effect of Emdogain on proliferation and migration of different periodontal tissue-associated cells. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, 924-931.	1.6	14
92	Effect of cyclosporin A on proliferation and differentiation of human periodontal ligament cells. Acta Odontologica Scandinavica, 2010, 68, 329-334.	0.9	10
93	Effects of Enamel Matrix Derivative on Proliferation/Viability, Migration, and Expression of Angiogenic Factor and Adhesion Molecules in Endothelial Cells In Vitro. Journal of Periodontology, 2009, 80, 1622-1630.	1.7	35
94	Differentiation and cytokine synthesis of human alveolar osteoblasts compared to osteoblast-like cells (MG63) in response to titanium surfaces. Dental Materials, 2008, 24, 102-110.	1.6	136
95	The initial attachment and subsequent behavior regulation of osteoblasts by dental implant surface modification. Journal of Biomedical Materials Research - Part A, 2007, 82A, 658-668.	2.1	110
96	Interleukin-1 β -Induced Prostaglandin E ₂ Production by Human Gingival Fibroblasts Is Upregulated by Glycine. Journal of Periodontology, 2005, 76, 1182-1188.	1.7	22
97	Cytotoxic effects of packable and nonpackable dental composites. Dental Materials, 2003, 19, 382-392.	1.6	62
98	Regulation of Cytokine Production in Human Peripheral Blood Mononuclear Cells and Allergen-Specific Th Cell Clones by 1 α ,25-Dihydroxyvitamin D ₃ . International Archives of Allergy and Immunology, 2002, 128, 33-41.	0.9	52
99	Influence of dental amalgam and heavy metal cations on in vitro interleukin-1 β production by human peripheral blood mononuclear cells. , 2000, 51, 88-95.		4
100	Cytotoxic effects of dental composites, adhesive substances, compomers and cements. Dental Materials, 1998, 14, 429-440.	1.6	101