

# Timo Sorsa

## List of Publications by Year in descending order

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303  
papers

12,720  
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22153

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96  
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307  
all docs

307  
docs citations

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times ranked

9141  
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix metalloproteinases: Contribution to pathogenesis, diagnosis and treatment of periodontal inflammation. <i>Annals of Medicine</i> , 2006, 38, 306-321.	3.8	550
2	Tumor targeting with a selective gelatinase inhibitor. <i>Nature Biotechnology</i> , 1999, 17, 768-774.	17.5	509
3	Matrix Metalloproteinase-8 Is Expressed in Rheumatoid Synovial Fibroblasts and Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 31504-31509.	3.4	428
4	Matrix metalloproteinases and their inhibitors in gingival crevicular fluid and saliva of periodontitis patients. <i>Journal of Clinical Periodontology</i> , 1996, 23, 1127-1132.	4.9	262
5	Doxycycline inhibits neutrophil (PMN)-type matrix metalloproteinases in human adult periodontitis gingiva. <i>Journal of Clinical Periodontology</i> , 1995, 22, 100-109.	4.9	224
6	Matrix metalloproteinase 13 (collagenase 3) in human rheumatoid synovium. <i>Arthritis and Rheumatism</i> , 1997, 40, 1391-1399.	6.7	208
7	Analysis of matrix metalloproteinases, especially MMP-8, in gingival crevicular fluid, mouthrinse and saliva for monitoring periodontal diseases. <i>Periodontology 2000</i> , 2016, 70, 142-163.	13.4	207
8	Gingival crevicular fluid collagenase-2 (MMP-8) test stick for chair-side monitoring of periodontitis. <i>Journal of Periodontal Research</i> , 2003, 38, 436-439.	2.7	180
9	Comparison of interstitial collagenases from human gingiva, sulcular fluid and polymorphonuclear leukocytes. <i>Journal of Periodontal Research</i> , 1988, 23, 386-393.	2.7	173
10	Activation of Type IV Procollagenases by Human Tumor-associated Trypsin-2. <i>Journal of Biological Chemistry</i> , 1997, 272, 21067-21074.	3.4	172
11	Salivary MMP-8, TIMP-1, and ICTP as markers of advanced periodontitis. <i>Journal of Clinical Periodontology</i> , 2010, 37, 487-493.	4.9	161
12	Effects of Tetracyclines on Neutrophil, Gingival, and Salivary Collagenases.. <i>Annals of the New York Academy of Sciences</i> , 1994, 732, 112-131.	3.8	160
13	Serum Matrix Metalloproteinase-8 Concentrations Are Associated With Cardiovascular Outcome in Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2722-2728.	2.4	153
14	Clinical changes in periodontium during pregnancy and postpartum. <i>Journal of Clinical Periodontology</i> , 2008, 35, 576-583.	4.9	139
15	Local and Systemic Responses in Matrix Metalloproteinase 8-Deficient Mice during <i>Porphyromonas gingivalis</i> -Induced Periodontitis. <i>Infection and Immunity</i> , 2009, 77, 850-859.	2.2	139
16	Salivary biomarkers of oral health – a cross-sectional study. <i>Journal of Clinical Periodontology</i> , 2013, 40, 140-147.	4.9	137
17	Salivary Biomarkers for Detection of Systemic Diseases. <i>PLoS ONE</i> , 2013, 8, e61356.	2.5	135
18	Scientific Basis of a Matrix Metalloproteinase-8 Specific Chair-side Test for Monitoring Periodontal and Peri-implant Health and Disease. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 130-140.	3.8	128

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19	Salivary collagenase. Origin, characteristics and relationship to periodontal health. <i>Journal of Periodontal Research</i> , 1990, 25, 135-142.	2.7	124
20	Activation of latent human neutrophil collagenase by reactive oxygen species and serine proteases. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 979-987.	2.1	124
21	Collagenase-2 (MMP-8) as a point-of-care biomarker in periodontitis and cardiovascular diseases. Therapeutic response to non-antimicrobial properties of tetracyclines. <i>Pharmacological Research</i> , 2011, 63, 108-113.	7.1	116
22	Expression and induction of collagenases (MMP-8 and -13) in plasma cells associated with bone-destructive lesions. <i>Journal of Pathology</i> , 2001, 194, 217-224.	4.5	109
23	The Effect of Adjunctive Low-Dose Doxycycline Therapy on Clinical Parameters and Gingival Crevicular Fluid Matrix Metalloproteinase-8 Levels in Chronic Periodontitis. <i>Journal of Periodontology</i> , 2004, 75, 106-115.	3.4	108
24	A trypsin-like protease from <i>Bacteroides gingivalis</i> : partial purification and characterization. <i>Journal of Periodontal Research</i> , 1987, 22, 375-380.	2.7	106
25	Airway Obstruction Correlates with Collagenase-2 (MMP-8) Expression and Activation in Bronchial Asthma. <i>Laboratory Investigation</i> , 2002, 82, 1535-1545.	3.7	106
26	Levels and molecular forms of MMP-7 (matrilysin-1) and MMP-8 (collagenase-2) in diseased human peri-implant sulcular fluid. <i>Journal of Periodontal Research</i> , 2003, 38, 583-590.	2.7	101
27	Salivary biomarkers of bacterial burden, inflammatory response, and tissue destruction in periodontitis. <i>Journal of Clinical Periodontology</i> , 2014, 41, 442-450.	4.9	101
28	In vivo collagenase-2 (MMP-8) expression by human bronchial epithelial cells and monocytes/macrophages in bronchiectasis. <i>Journal of Pathology</i> , 2001, 194, 232-238.	4.5	99
29	Matrix metalloproteinases and myeloperoxidase in gingival crevicular fluid provide site-specific diagnostic value for chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2014, 41, 348-356.	4.9	99
30	Tetracycline Inhibition and the Cellular Source of Collagenase in Gingival Crevicular Fluid in Different Periodontal Diseases. A Review Article. <i>Journal of Periodontology</i> , 1993, 64, 82-88.	3.4	96
31	Release and activation of human neutrophil matrix metallo- and serine proteinases during phagocytosis of <i>Fusobacterium nucleatum</i> , <i>Porphyromonas gingivalis</i> and <i>Treponema denticola</i> . <i>Journal of Clinical Periodontology</i> , 1997, 24, 237-248.	4.9	95
32	Serum Microbial- and Host-Derived Markers of Periodontal Diseases: A Review. <i>Current Medicinal Chemistry</i> , 2007, 14, 2402-2412.	2.4	95
33	Active MMP-8 (aMMP-8) as a Grading and Staging Biomarker in the Periodontitis Classification. <i>Diagnostics</i> , 2020, 10, 61.	2.6	94
34	Serum MMP-8, -9 and TIMP-1 in sepsis: High serum levels of MMP-8 and TIMP-1 are associated with fatal outcome in a multicentre, prospective cohort study. Hypothetical impact of tetracyclines. <i>Pharmacological Research</i> , 2011, 64, 590-594.	7.1	91
35	Salivary type I collagen degradation end-products and related matrix metalloproteinases in periodontitis. <i>Journal of Clinical Periodontology</i> , 2013, 40, 18-25.	4.9	91
36	The Ability of Quantitative, Specific, and Sensitive Point-of-Care/Chair-Side Oral Fluid Immunotests for aMMP-8 to Detect Periodontal and Peri-Implant Diseases. <i>Disease Markers</i> , 2018, 2018, 1-5.	1.3	87

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37	Tumor-Associated Trypsinogen-2 (Trypsinogen-2) Activates Procollagenases (MMP-1, -8, -13) and Stromelysin-1 (MMP-3) and Degrades Type I Collagen. <i>Biochemistry</i> , 2003, 42, 5414-5420.	2.5	86
38	Periodontitis and cancer mortality: Register-based cohort study of 68,273 adults in 10-year follow-up. <i>International Journal of Cancer</i> , 2018, 142, 2244-2253.	5.1	86
39	Subantimicrobial-Dose Doxycycline Modulates Gingival Crevicular Fluid Biomarkers of Periodontitis in Postmenopausal Osteopenic Women. <i>Journal of Periodontology</i> , 2008, 79, 1409-1418.	3.4	85
40	MMP-Mediated Events in Diabetes. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 311-334.	3.8	84
41	Proteolytic roles of matrix metalloproteinase (MMP)-13 during progression of chronic periodontitis: initial evidence for MMP-13/MMP-9 activation cascade. <i>Journal of Clinical Periodontology</i> , 2009, 36, 1011-1017.	4.9	84
42	Activation of Matrix Metalloproteinase-8 by Membrane Type 1-MMP and Their Expression in Human Tears after Photorefractive Keratectomy. , 2003, 44, 2550.		82
43	Use of Host- and Bacteria-Derived Salivary Markers in Detection of Periodontitis: A Cumulative Approach. <i>Disease Markers</i> , 2011, 30, 299-305.	1.3	78
44	Cellular source, activation and inhibition of dental plaque collagenase. <i>Journal of Clinical Periodontology</i> , 1995, 22, 709-717.	4.9	77
45	Peptide-containing nerves in labial salivary glands in Sjögren's syndrome. <i>Arthritis and Rheumatism</i> , 1992, 35, 815-820.	6.7	76
46	Pilot Study on Oral Health Status as Assessed by an Active Matrix Metalloproteinase-8 Chairside Mouthrinse Test in Adolescents. <i>Journal of Periodontology</i> , 2016, 87, 36-40.	3.4	76
47	Collagenase-3 (MMP-13) and its activators in rheumatoid arthritis: localization in the pannus-hard tissue junction and inhibition by alendronate. <i>Matrix Biology</i> , 1999, 18, 401-412.	3.6	74
48	Collagenase-2 (MMP-8) and matrilysin-2 (MMP-26) expression in human wounds of different etiologies. <i>Wound Repair and Regeneration</i> , 2007, 15, 47-57.	3.0	74
49	The effect of subantimicrobial-dose doxycycline periodontal therapy on serum biomarkers of systemic inflammation. <i>Journal of the American Dental Association</i> , 2011, 142, 262-273.	1.5	73
50	A Chemically Modified Nonantimicrobial Tetracycline (CMT-8) Inhibits Gingival Matrix Metalloproteinases, Periodontal Breakdown, and Extra-Oral Bone Loss in Ovariectomized Rats. <i>Annals of the New York Academy of Sciences</i> , 1999, 878, 290-310.	3.8	72
51	Association of Gingival Crevicular Fluid Biomarkers During Periodontal Maintenance With Subsequent Progressive Periodontitis. <i>Journal of Periodontology</i> , 2010, 81, 251-259.	3.4	72
52	Diagnostic accuracy for apical and chronic periodontitis biomarkers in gingival crevicular fluid: an exploratory study. <i>Journal of Clinical Periodontology</i> , 2016, 43, 34-45.	4.9	72
53	A Combination of a Chemically Modified Doxycycline and a Bisphosphonate Synergistically Inhibits Endotoxin-Induced Periodontal Breakdown in Rats. <i>Journal of Periodontology</i> , 2001, 72, 1069-1077.	3.4	71
54	Treponema denticola chymotrypsin-like proteinase may contribute to orodigestive carcinogenesis through immunomodulation. <i>British Journal of Cancer</i> , 2018, 118, 428-434.	6.4	71

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55	A quantitative point-of-care test for periodontal and dental peri-implant diseases. <i>Nature Reviews Disease Primers</i> , 2017, 3, 17069.	30.5	70
56	Characteristics of collagenase-2 from gingival crevicular fluid and peri-implant sulcular fluid in periodontitis and peri-implantitis patients: pilot study. <i>Acta Odontologica Scandinavica</i> , 2008, 66, 219-224.	1.6	69
57	The Anticollagenolytic Potential of Lyme cycline in the Long-Term Treatment of Reactive Arthritis. <i>Arthritis and Rheumatism</i> , 1992, 35, 195-198.	6.7	67
58	Matrix Metalloproteinase-8 as an Inflammatory and Prevention Biomarker in Periodontal and Peri-Implant Diseases. <i>International Journal of Dentistry</i> , 2018, 2018, 1-27.	1.5	67
59	Human $\beta$ -defensin-1 and -2 and matrix metalloproteinase-25 and -26 expression in chronic and aggressive periodontitis and in peri-implantitis. <i>Archives of Oral Biology</i> , 2008, 53, 175-186.	1.8	65
60	MMP activation in diagnostics of periodontitis and systemic inflammation. <i>Journal of Clinical Periodontology</i> , 2011, 38, 817-819.	4.9	65
61	Stromal Expression of MMP-9 and Urokinase Receptor Is Inversely Associated with Liver Metastasis and with Infiltrating Growth in Human Colorectal Cancer: A Novel Approach from Immune/Inflammatory Aspect. <i>Japanese Journal of Cancer Research</i> , 1997, 88, 72-81.	1.7	63
62	Non-antibacterial tetracycline formulations: host-modulators in the treatment of periodontitis and relevant systemic diseases. <i>International Dental Journal</i> , 2016, 66, 127-135.	2.6	62
63	Salivary Diagnostics – Point-of-Care diagnostics of MMP-8 in dentistry and medicine. <i>Diagnostics</i> , 2017, 7, 7.	2.6	61
64	Osteoimmunology of Oral and Maxillofacial Diseases: Translational Applications Based on Biological Mechanisms. <i>Frontiers in Immunology</i> , 2019, 10, 1664.	4.8	61
65	Gingival Crevicular Fluid MMP-8 and $\alpha$ 13 and TIMP-1 Levels in Patients With Rheumatoid Arthritis and Inflammatory Periodontal Disease. <i>Journal of Periodontology</i> , 2009, 80, 1307-1314.	3.4	60
66	Matrix metalloproteinase-1 and -8 in gingival crevicular fluid during orthodontic tooth movement: a pilot study during 1 month of follow-up after fixed appliance activation. <i>European Journal of Orthodontics</i> , 2005, 27, 202-207.	2.4	59
67	Serum MMP-8 and TIMP-1 predict prognosis in colorectal cancer. <i>BMC Cancer</i> , 2018, 18, 679.	2.6	59
68	Identification and characterization of gelatinases/type IV collagenases in jaw cysts. <i>Journal of Oral Pathology and Medicine</i> , 1995, 24, 78-84.	2.7	58
69	Expression of matrix metalloproteinases-2, -8, -13, -26, and tissue inhibitors of metalloproteinase-1 in human osteosarcoma. <i>Surgical Oncology</i> , 2011, 20, e18-e22.	1.6	58
70	The clinical association between Periodontitis and COVID-19. <i>Clinical Oral Investigations</i> , 2022, 26, 1361-1374.	3.0	57
71	Smoking Affects Diagnostic Salivary Periodontal Disease Biomarker Levels in Adolescents. <i>Journal of Periodontology</i> , 2010, 81, 1299-1307.	3.4	56
72	Non-antibacterial tetracyclines modulate mediators of periodontitis and atherosclerotic cardiovascular disease: A mechanistic link between local and systemic inflammation. <i>Pharmacological Research</i> , 2011, 64, 573-579.	7.1	55

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73	Serum MMP-8 levels increase in colorectal cancer and correlate with disease course and inflammatory properties of primary tumors. <i>International Journal of Cancer</i> , 2012, 131, E463-74.	5.1	55
74	The Association Between Smoking Cessation and Periodontal Status and Salivary Proteinase Levels. <i>Journal of Periodontology</i> , 1999, 70, 1361-1368.	3.4	54
75	Soluble membrane-type 1 matrix metalloproteinase (MT1-MMP) and gelatinase A (MMP-2) in induced sputum and bronchoalveolar lavage fluid of human bronchial asthma and bronchiectasis. <i>Apmis</i> , 2002, 110, 771-782.	2.0	54
76	Extracellular matrix metalloproteinases around loose total hip prostheses. <i>Acta Orthopaedica</i> , 1994, 65, 281-286.	1.4	53
77	Neutrophil proteolytic activation cascades: a possible mechanistic link between chronic periodontitis and coronary heart disease. <i>Innate Immunity</i> , 2016, 22, 85-99.	2.4	52
78	Salivary matrix metalloproteinase (MMP-8) levels and gelatinase (MMP-9) activities in patients with type 2 diabetes mellitus. <i>Journal of Periodontal Research</i> , 2000, 35, 259-265.	2.7	50
79	Tetracyclines and Chemically Modified Tetracycline-3 (CMT-3) Modulate Cytokine Secretion by Lipopolysaccharide-Stimulated Whole Blood. <i>Inflammation</i> , 2009, 32, 130-137.	3.8	50
80	Inhibition of Matrix Metalloproteinases by Chemically Modified Tetracyclines in Sepsis. <i>Shock</i> , 2003, 20, 280-285.	2.1	49
81	Down-regulation of trypsinogen-2 expression by chemically modified tetracyclines: Association with reduced cancer cell migration. <i>International Journal of Cancer</i> , 2000, 86, 577-581.	5.1	47
82	Azithromycin as an Adjunctive Treatment of Generalized Severe Chronic Periodontitis: Clinical, Microbiologic, and Biochemical Parameters. <i>Journal of Periodontology</i> , 2012, 83, 1480-1491.	3.4	47
83	Prognostic significance of matrix metalloproteinase-2, -8, -9, and -13 in oral tongue cancer. <i>Journal of Oral Pathology and Medicine</i> , 2012, 41, 394-399.	2.7	47
84	Serum and Salivary Matrix Metalloproteinases, Neutrophil Elastase, Myeloperoxidase in Patients with Chronic or Aggressive Periodontitis. <i>Inflammation</i> , 2014, 37, 1771-1778.	3.8	46
85	Gingival Crevicular Fluid Matrix Metalloproteinase-8 Levels Predict Treatment Outcome Among Smokers With Chronic Periodontitis. <i>Journal of Periodontology</i> , 2014, 85, 250-260.	3.4	46
86	Caries Correlates Strongly with Salivary Levels of Matrix Metalloproteinase-8. <i>Caries Research</i> , 2015, 49, 1-8.	2.0	45
87	Serum MMP-9 Diagnostics, Prognostics, and Activation in Acute Coronary Syndrome and Its Recurrence. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 210-220.	2.4	45
88	High-serum MMP-8 levels are associated with decreased survival and systemic inflammation in colorectal cancer. <i>British Journal of Cancer</i> , 2018, 119, 213-219.	6.4	45
89	Tetracyclines in treatment of rheumatoid arthritis. <i>Lancet</i> , The, 1995, 346, 645-646.	13.7	44
90	Characterization of Matrix Metalloproteinase (MMP-8 and -9) Activities in the Saliva and in Gingival Crevicular Fluid of Children With Down's Syndrome. <i>Journal of Periodontology</i> , 1996, 67, 748-754.	3.4	43

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91	Urinary matrix metalloproteinase -8, -9, -14 and their regulators (TRY-1, TRY-2, TATI) in patients with diabetic nephropathy. <i>Annals of Medicine</i> , 2008, 40, 312-320.	3.8	43
92	Salivary Matrix Metalloproteinase-8 and -9 and Myeloperoxidase in Relation to Coronary Heart and Periodontal Diseases: A Subgroup Report from the PAROKRANK Study (Periodontitis and Its Relation to Tj ETQq0 02orgBT /Overlock 10	2.0	42
93	The Utility of Gingival Crevicular Fluid Matrix Metalloproteinaseâ€¸ Response Patterns in Prediction of Siteâ€¸Level Clinical Treatment Outcome. <i>Journal of Periodontology</i> , 2015, 86, 777-787.	3.4	43
94	Acute Myocardial Infarction is Reflected in Salivary Matrix Metalloproteinaseâ€¸ Activation Level. <i>Journal of Periodontology</i> , 2011, 82, 716-725.	3.4	42
95	Serum MMPs 7â€¸9 and their inhibitors during glucocorticoid and anti-TNF-Î± therapy in pediatric inflammatory bowel disease. <i>Scandinavian Journal of Gastroenterology</i> , 2012, 47, 785-794.	1.5	42
96	Biomarkers of periodontitis and inflammation in ischemic stroke: A case-control study. <i>Innate Immunity</i> , 2014, 20, 511-518.	2.4	42
97	Collagenase activity in gingival crevicular fluid of patients with juvenile periodontitis. <i>Oral Microbiology and Immunology</i> , 1991, 6, 24-29.	2.8	40
98	Effect of MMPâ€¸1 promoter polymorphisms on GCF MMPâ€¸1 levels and outcome of periodontal therapy in patients with severe chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2008, 35, 862-870.	4.9	38
99	Use of host- and bacteria-derived salivary markers in detection of periodontitis: a cumulative approach. <i>Disease Markers</i> , 2011, 30, 299-305.	1.3	38
100	Levels and Activation of Matrix Metalloproteinases in Aqueous Humor Are Elevated in Uveitis-Related Secondary Glaucoma. <i>Journal of Glaucoma</i> , 2006, 15, 229-237.	1.6	37
101	The Effects of Selective COXâ€¸2 Inhibitor/Celecoxib and Omegaâ€¸3 Fatty Acid on Matrix Metalloproteinases, TIMPâ€¸1, and Lamininâ€¸5Î²2â€¸Chain Immunolocalization in Experimental Periodontitis. <i>Journal of Periodontology</i> , 2008, 79, 1934-1941.	3.4	36
102	Pilot Study on the Genetic Background of an Active Matrix Metalloproteinaseâ€¸ Test in Finnish Adolescents. <i>Journal of Periodontology</i> , 2017, 88, 464-472.	3.4	36
103	Effectiveness of Adjunctive Low-Dose Doxycycline Therapy on Clinical Parameters and Gingival Crevicular Fluid Laminin-5 Î²2 Chain Levels in Chronic Periodontitis. <i>Journal of Periodontology</i> , 2004, 75, 1387-1396.	3.4	35
104	Association of the salivary triggering receptor expressed on myeloid cells/its ligand peptidoglycan recognition protein 1 axis with oral inflammation in kidney disease. <i>Journal of Periodontology</i> , 2018, 89, 117-129.	3.4	35
105	Prediabetes/Diabetes Can Be Screened at the Dental Office by a Low-Cost and Fast Chair-Side/Point-of-Care aMMP-8 Immunotest. <i>Diagnostics</i> , 2019, 9, 151.	2.6	35
106	Tetracycline inhibition identifies the cellular origin of interstitial collagenases in human periodontal diseases <i>in vivo</i>. <i>Oral Microbiology and Immunology</i> , 1992, 7, 121-123.	2.8	34
107	Associations of periodontal microorganisms with salivary proteins and <sc>MMP</sc>â€¸ in gingival crevicular fluid. <i>Journal of Clinical Periodontology</i> , 2012, 39, 256-263.	4.9	34
108	Factors affecting matrix metalloproteinase-8 levels in the vaginal and cervical fluids in the first and second trimester of pregnancy. <i>Human Reproduction</i> , 2009, 24, 2693-2702.	0.9	33



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109	Active Matrix Metalloproteinase-8 Point-of-Care (PoC)/Chairside Mouthrinse Test vs. Bleeding on Probing in Diagnosing Subclinical Periodontitis in Adolescents. <i>Diagnostics</i> , 2019, 9, 34.	2.6	33
110	aMMP-8 Point-of-Care/Chairside Oral Fluid Technology as a Rapid, Non-Invasive Tool for Periodontitis and Peri-Implantitis Screening in a Medical Care Setting. <i>Diagnostics</i> , 2020, 10, 562.	2.6	33
111	The Effect of Adjunctive Subantimicrobial Dose Doxycycline Therapy on GCF EMMPRIN Levels in Chronic Periodontitis. <i>Journal of Periodontology</i> , 2008, 79, 469-476.	3.4	32
112	The Effect of Smoking on Periodontal Health of 15- to 16-Year-Old Adolescents. <i>Journal of Periodontology</i> , 2008, 79, 2042-2047.	3.4	32
113	The balance of serum matrix metalloproteinase-8 and its tissue inhibitor in acute coronary syndrome and its recurrence. <i>International Journal of Cardiology</i> , 2013, 167, 362-368.	1.7	32
114	A Novel Antifungal Is Active against <i>Candida albicans</i> Biofilms and Inhibits Mutagenic Acetaldehyde Production In Vitro. <i>PLoS ONE</i> , 2014, 9, e97864.	2.5	31
115	Matrix metalloproteinases regulate extracellular levels of SDF-1/CXCL12, IL-6 and VEGF in hydrogen peroxide-stimulated human periodontal ligament fibroblasts. <i>Cytokine</i> , 2015, 73, 114-121.	3.2	31
116	Saliva and serum biomarkers in periodontitis and coronary artery disease. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1045-1055.	4.9	31
117	Gingival Crevicular Fluid Matrix Metalloproteinase-25 and -26 Levels in Periodontal Disease. <i>Journal of Periodontology</i> , 2006, 77, 664-671.	3.4	30
118	Matrix- metalloproteinase -2, -8 and -9 in serum and skin blister fluid in patients with severe sepsis. <i>Critical Care</i> , 2010, 14, R49.	5.8	30
119	Prognostic value of serum MMP-8, -9 and TIMP-1 in patients with hepatocellular carcinoma. <i>Annals of Medicine</i> , 2013, 45, 482-487.	3.8	30
120	Serum MMP-8 and TIMP-1 in Critically Ill Patients with Acute Respiratory Failure. <i>Anesthesia and Analgesia</i> , 2014, 118, 790-798.	2.2	30
121	Point-of-Care/Chairside aMMP-8 Analytics of Periodontal Diseasesâ€™ Activity and Episodic Progression. <i>Diagnostics</i> , 2018, 8, 74.	2.6	30
122	Matrix metalloproteinase-8/collagenase-2 in childhood otitis media with effusion. <i>Annals of Medicine</i> , 2012, 44, 93-99.	3.8	29
123	Oral Health and Mortality in Patients With Chronic Kidney Disease. <i>Journal of Periodontology</i> , 2017, 88, 26-33.	3.4	29
124	Collagenase, gelatinase and elastase activities in sulcular fluid of osseointegrated implants and natural teeth. <i>Journal of Clinical Periodontology</i> , 1994, 21, 301-307.	4.9	28
125	Trypsin-2 Degrades Human Type II Collagen and Is Expressed and Activated in Mesenchymally Transformed Rheumatoid Arthritis Synovitis Tissue. <i>American Journal of Pathology</i> , 2005, 167, 1119-1124.	3.8	28
126	Periodontal Status and Neutrophilic Enzyme Levels in Gingival Crevicular Fluid During Pregnancy and Postpartum. <i>Journal of Periodontology</i> , 2010, 81, 1790-1796.	3.4	28



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127	Serum matrix metalloproteinase-8, tissue inhibitor of metalloproteinase and myeloperoxidase in ischemic stroke. <i>Atherosclerosis</i> , 2018, 271, 9-14.	0.8	28
128	High serum MMP-14 predicts worse survival in gastric cancer. <i>PLoS ONE</i> , 2018, 13, e0208800.	2.5	28
129	Molecular forms and fragments of salivary MMP-8 in relation to periodontitis. <i>Journal of Clinical Periodontology</i> , 2018, 45, 1421-1428.	4.9	28
130	Healing of extraction sockets in collagenase-2 (matrix metalloproteinase-8) deficient mice. <i>European Journal of Oral Sciences</i> , 2009, 117, 248-254.	1.5	27
131	4-Methoxycarbonyl Curcumin: A Unique Inhibitor of Both Inflammatory Mediators and Periodontal Inflammation. <i>Mediators of Inflammation</i> , 2013, 2013, 1-10.	3.0	27
132	Elevated matrix metalloproteinase-8 in saliva and serum in polycystic ovary syndrome and association with gingival inflammation. <i>Innate Immunity</i> , 2015, 21, 619-625.	2.4	27
133	Amniotic Fluid Infection in Preterm Pregnancies with Intact Membranes. <i>Disease Markers</i> , 2017, 2017, 1-9.	1.3	27
134	Matrix Metalloproteinase (MMP-8) and Tissue Inhibitor of MMP-1 (TIMP-1) Gene Polymorphisms in Generalized Aggressive Periodontitis: Gingival Crevicular Fluid MMP-8 and TIMP-1 Levels and Outcome of Periodontal Therapy. <i>Journal of Periodontology</i> , 2014, 85, 1070-1080.	3.4	26
135	MMP-7, MMP-8, and MMP-9 in oral and cutaneous squamous cell carcinomas. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 459-467.	0.4	26
136	Inflammatory biomarkers in saliva and serum of patients with rheumatoid arthritis with respect to periodontal status. <i>Annals of Medicine</i> , 2018, 50, 333-344.	3.8	26
137	Salivary albumin, total protein, IgA, IgG and IgM concentrations and occurrence of some periodontopathogens in HIV-infected patients: a 2-year follow-up study. <i>Journal of Oral Pathology and Medicine</i> , 2001, 30, 553-559.	2.7	25
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