

# CITATION REPORT

List of articles citing

## Matrix metalloproteinases (MMPs) in oral diseases

DOI: 10.1111/j.1601-0825.2004.01038.x  
Oral Diseases, 2004, 10, 311-8.

**Source:** <https://exaly.com/paper-pdf/36790275/citation-report.pdf>

**Version:** 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
444	In vivo relationship between collagenase-2 and interleukin-8 but not tumour necrosis factor-alpha in chronic rhinosinusitis with nasal polyposis. <b>2005</b> , 60, 1275-9		23
443	Effect of <i>E. faecalis</i> on the release of serine proteases elastase and cathepsin G, and collagenase-2 (MMP-8) by human polymorphonuclear leukocytes (PMNs). <b>2005</b> , 38, 667-77		14
442	Is the excessive inhibition of matrix metalloproteinases (MMPs) by potent synthetic MMP inhibitors (MMPIs) desirable in periodontitis and other inflammatory diseases? That is: 'Leaky' MMPIs vs excessively efficient drugs. <i>Oral Diseases</i> , <b>2005</b> , 11, 408-9	3.5	20
441	Painful tooth stimulation elevates matrix metalloproteinase-8 levels locally in human gingival crevicular fluid. <b>2005</b> , 84, 335-9		10
440	Pancreatic trypsin activates human promatrix metalloproteinase-2. <b>2005</b> , 350, 682-98		23
439	Drug delivery strategies for common orofacial diseases. <b>2006</b> , 14, 583-97		7
438	Matrix metalloproteinases: contribution to pathogenesis, diagnosis and treatment of periodontal inflammation. <b>2006</b> , 38, 306-21		465
437	Changes in periodontal and rheumatological conditions after 2 years in patients with juvenile idiopathic arthritis. <b>2006</b> , 77, 1695-700		18
436	Gingival crevicular fluid matrix metalloproteinase-25 and -26 levels in periodontal disease. <b>2006</b> , 77, 664-71		27
435	Comparative analysis of the effects of a novel vacuolar adenosine 5'-triphosphatase inhibitor, FR202126, and doxycycline on bone loss caused by experimental periodontitis in rats. <b>2006</b> , 77, 1211-6		9
434	Gingival crevicular fluid matrix metalloproteinase (MMP)-7, extracellular MMP inducer, and tissue inhibitor of MMP-1 levels in periodontal disease. <b>2006</b> , 77, 2040-50		50
433	The matrix metalloproteinase system in oral squamous cell carcinoma. <b>2006</b> , 44, 482-6		33
432	Matrix metalloproteinase-7, -8, -9, -25, and -26 and CD43, -45, and -68 cell-markers in HIV-infected patients' saliva and gingival tissue. <b>2006</b> , 35, 530-9		13
431	Molecular and cell biology of healthy and diseased periodontal tissues. <b>2006</b> , 40, 29-49		105
430	Levels of matrix metalloproteinases-8 and -9 with simultaneous presence of periodontal pathogens in gingival crevicular fluid as well as matrix metalloproteinase-9 and cholesterol in blood. <b>2006</b> , 41, 411-7		58
429	Effects of alendronate and hormone replacement therapy, alone and in combination, on saliva, periodontal conditions and gingival crevicular fluid matrix metalloproteinase-8 levels in women with osteoporosis. <i>Oral Diseases</i> , <b>2006</b> , 12, 187-93	3.5	21
428	Capsaicin-induced local elevations in collagenase-2 (matrix metalloproteinase-8) levels in human gingival crevice fluid. <b>2006</b> , 41, 33-8		4

427	Monitoring periodontal disease status in smokers and nonsmokers using a gingival crevicular fluid matrix metalloproteinase-8-specific chair-side test. <b>2006</b> , 41, 503-12	107
426	Salivary matrix metalloproteinase-8 in patients with and without coronary heart disease may indicate an increased susceptibility to periodontal disease. <b>2006</b> , 41, 486-9	18
425	Tear fluid levels of MMP-8 are elevated in ocular rosacea--treatment effect of oral doxycycline. <b>2006</b> , 244, 957-62	54
424	Inhibition of gelatinase activity by cyclic peptides--A support for oral cancer treatment?. <b>2006</b> , 42, 955-6	
423	In vitro inhibition of matrix metalloproteinase activity in tracheal epithelial lining fluid from horses with recurrent airway obstruction. <b>2006</b> , 67, 1252-7	7
422	Elastolysis induces collagenolysis in a gingival lamina propria model. <b>2006</b> , 85, 745-50	5
421	Porphyromonas gingivalis-epithelial cell interactions in periodontitis. <b>2006</b> , 85, 392-403	109
420	Gene expression profiles of head and neck carcinomas from Sudanese and Norwegian patients reveal common biological pathways regardless of race and lifestyle. <b>2006</b> , 12, 1109-20	17
419	Microfluidic immunoassays as rapid saliva-based clinical diagnostics. <b>2007</b> , 104, 5268-73	318
418	In vivo preservation of the hybrid layer by chlorhexidine. <b>2007</b> , 86, 529-33	401
417	Molecular alterations of parotid saliva in infantile chronic recurrent parotitis. <b>2007</b> , 61, 203-8	9
416	Serum matrix metalloproteinase-8 concentrations are associated with cardiovascular outcome in men. <b>2007</b> , 27, 2722-8	140
415	Oral Cavity. <b>2007</b> , 3-32	1
414	Diagnosis and anti-infective therapy of periodontitis. <b>2007</b> , 5, 703-15	26
413	Matrix metalloproteases: underutilized targets for drug delivery. <b>2007</b> , 15, 1-20	112
412	Matrix metalloproteinase-2, -9, and -12 gene polymorphisms in generalized aggressive periodontitis. <b>2007</b> , 78, 2338-47	23
411	GCF MMP-8 levels in smokers and non-smokers with chronic periodontitis following scaling and root planing accompanied by systemic use of flurbiprofen. <b>2007</b> , 78, 1954-61	9
410	Matrix metalloproteinases, tissue inhibitor of matrix metalloproteinase-1, and laminin-5 gamma2 chain immunolocalization in gingival tissue of endotoxin-induced periodontitis in rats: effects of low-dose doxycycline and alendronate. <b>2007</b> , 78, 127-34	34

409	The role of matrix metalloproteinases in the oral environment. <b>2007</b> , 65, 1-13		245
408	Advances in defining regulators of cementum development and periodontal regeneration. <b>2007</b> , 78, 47-126		98
407	Regulation of matrix metalloproteinases and tissue inhibitors of matrix metalloproteinases by Porphyromonas gingivalis in an engineered human oral mucosa model. <b>2007</b> , 211, 56-62		42
406	Actinobacillus actinomycetemcomitans lipopolysaccharide regulates matrix metalloproteinase, tissue inhibitors of matrix metalloproteinase, and plasminogen activator production by human gingival fibroblasts: a potential role in connective tissue destruction. <b>2007</b> , 212, 189-94		39
405	Effectiveness of low-dose doxycycline (LDD) on clinical symptoms of Sjögren's syndrome: a randomized, double-blind, placebo controlled cross-over study. <b>2007</b> , 6, 11		19
404	Matrix metalloproteinase inhibitors as therapy for inflammatory and vascular diseases. <b>2007</b> , 6, 480-98		577
403	Inhibition of host extracellular matrix destructive enzyme production and activity by a high-molecular-weight cranberry fraction. <b>2007</b> , 42, 159-68		47
402	Degradation of noncollagenous components by neutrophil elastase reduces the mechanical strength of rat periodontal ligament. <b>2008</b> , 43, 22-31		14
401	Anti-inflammatory effects of Lactobacillus brevis (CD2) on periodontal disease. <i>Oral Diseases</i> , <b>2007</b> , 13, 376-85	3.5	131
400	Assessment of in vitro methods used to promote adhesive interface degradation: a critical review. <b>2007</b> , 19, 340-53; discussion 354		130
399	Safety issues of Lactobacillus bulgaricus with respect to human gelatinases in vitro. <b>2007</b> , 51, 194-200		11
398	Effects of scaling and root planing and sub-antimicrobial dose doxycycline on oral and systemic biomarkers of disease in patients with both chronic periodontitis and coronary artery disease. <b>2007</b> , 34, 673-81		51
397	Up-regulation of matrix metalloproteinase-8 by betel quid extract and arecoline and its role in 2D motility. <b>2007</b> , 43, 1026-33		21
396	Evaluation of immunoassay-based MMP-8 detection in gingival crevicular fluid on a point-of-care platform. <b>2007</b> , 1098, 490-2		16
395	Rapid quantitative chairside test for active MMP-8 in gingival crevicular fluid: first clinical data. <b>2007</b> , 1098, 493-5		19
394	Morphologic evaluation and expression of matrix metalloproteinases-2 and 9 and nitric oxide during experimental periodontal disease in rat. <b>2008</b> , 39, 275-82		24
393	Host-derived loss of dentin matrix stiffness associated with solubilization of collagen. <b>2009</b> , 90, 373-80		79
392	Prevotella intermedia induces matrix metalloproteinase-9 expression in human periodontal ligament cells. <b>2008</b> , 283, 47-53		15

391	Gingival crevicular fluid and serum matrix metalloproteinase-8 and tissue inhibitor of matrix metalloproteinase-1 levels in renal transplant patients undergoing different immunosuppressive therapy. <b>2008</b> , 35, 221-9	8
390	Effect of MMP-1 promoter polymorphisms on GCF MMP-1 levels and outcome of periodontal therapy in patients with severe chronic periodontitis. <b>2008</b> , 35, 862-70	36
389	Matrix metalloproteinase-8 concentration in shallow crevices associated with the extent of periodontal disease. <b>2008</b> , 35, 1027-31	20
388	By mistakes we learn: determination of matrix metalloproteinase-8 and tissue inhibitor of matrix metalloproteinase-1 in serum yields doubtful results. <b>2008</b> , 35, 1087-8	4
387	Areca nut extract-treated gingival fibroblasts modulate the invasiveness of polymorphonuclear leukocytes via the production of MMP-2. <b>2009</b> , 38, 79-86	10
386	Areca nut extract represses migration and differentiation while activating matrix metalloproteinase-9 of normal gingival epithelial cells. <b>2008</b> , 43, 490-9	17
385	Effects of cytomegalovirus infection on the mRNA expression of collagens and matrix metalloproteinases in gingival fibroblasts. <b>2008</b> , 43, 649-57	10
384	A trend of increase in periodontal interleukin-6 expression across patients with neither diabetes nor periodontal disease, patients with periodontal disease alone, and patients with both diseases. <b>2008</b> , 43, 717-22	15
383	Effects of Porphyromonas gingivalis on human gingival fibroblasts from healthy and inflamed tissues. <b>2008</b> , 43, 465-70	11
382	Human beta-defensin-1 and -2 and matrix metalloproteinase-25 and -26 expression in chronic and aggressive periodontitis and in peri-implantitis. <b>2008</b> , 53, 175-86	59
381	Gene polymorphisms of matrix metalloproteinase-2, -9 and -12 in periodontal health and severe chronic periodontitis. <b>2008</b> , 53, 337-45	35
380	Urinary matrix metalloproteinase -8, -9, -14 and their regulators (TRY-1, TRY-2, TATI) in patients with diabetic nephropathy. <b>2008</b> , 40, 312-20	34
379	Experimental tooth pain elevates substance P and matrix metalloproteinase-8 levels in human gingival crevice fluid. <b>2008</b> , 66, 18-22	16
378	The effect of adjunctive subantimicrobial dose doxycycline therapy on GCF EMMPRIN levels in chronic periodontitis. <b>2008</b> , 79, 469-76	31
377	Collagenolytic fragments and active gelatinase complexes in periodontitis. <b>2008</b> , 79, 1704-11	24
376	Matrix metalloproteinase levels in children with aggressive periodontitis. <b>2008</b> , 79, 819-26	26
375	Matrix metalloproteinase-8 functions as a metastasis suppressor through modulation of tumor cell adhesion and invasion. <b>2008</b> , 68, 2755-63	144
374	Collagenase-2 deficiency or inhibition impairs experimental autoimmune encephalomyelitis in mice. <b>2008</b> , 283, 9465-74	55

373	Effect of chlorhexidine on microtensile bond strength of dentin bonding systems. <b>2008</b> , 33, 148	1
372	Adhesion to Intraradicular Dentin: A Review. <b>2009</b> , 23, 1053-1083	20
371	Local and systemic responses in matrix metalloproteinase 8-deficient mice during Porphyromonas gingivalis-induced periodontitis. <b>2009</b> , 77, 850-9	131
370	A review of the nature, role, and function of dentin non-collagenous proteins. Part II: enzymes, serum proteins, and growth factors. <b>2009</b> , 21, 19-40	27
369	Differential regulation of MMP-13 expression in two models of experimentally induced periodontal disease in rats. <b>2009</b> , 54, 609-17	27
368	Immunolocalization of matrix metalloproteinases-2 and -9 during apical periodontitis development. <b>2009</b> , 54, 764-71	53
367	Histochemical localization of neutral proteases released during development of rat periradicular lesion. <b>2009</b> , 54, 1128-35	8
366	Triggered release from peptide-proteinoid microspheres. <b>2010</b> , 92, 877-86	3
365	Slug is a downstream mediator of transforming growth factor-beta1-induced matrix metalloproteinase-9 expression and invasion of oral cancer cells. <b>2009</b> , 108, 726-36	66
364	CCL5/CCR5 axis promotes the motility of human oral cancer cells. <b>2009</b> , 220, 418-26	86
363	Tetracyclines and chemically modified tetracycline-3 (CMT-3) modulate cytokine secretion by lipopolysaccharide-stimulated whole blood. <b>2009</b> , 32, 130-7	40
362	Inhibition of cyclooxygenase-2 suppresses the invasiveness of oral squamous cell carcinoma cell lines via down-regulation of matrix metalloproteinase-2 production and activation. <b>2009</b> , 26, 425-32	36
361	Activity-based mass spectrometric characterization of proteases and inhibitors in human saliva. <b>2009</b> , 3, 810-820	25
360	Matrix metalloproteinase inhibitors reduce collagen gel contraction and alpha-smooth muscle actin expression by periodontal ligament cells. <b>2009</b> , 44, 266-74	22
359	Expression of metalloproteinases and their tissue inhibitors in gingiva affected by hereditary gingival fibromatosis: analysis of three cases within a family. <b>2009</b> , 44, 714-7	2
358	The clinical value of salivary biomarkers for periodontal disease. <b>2009</b> , 51, 25-37	96
357	Runt-related gene 2 is involved in the inhibition of matrix metalloproteinase-13 expression by roxithromycin in human gingival epithelial cell cultures. <b>2009</b> , 44, 283-8	4
356	Increased expression of extracellular matrix metalloproteinase inducer is associated with matrix metalloproteinase-1 and -2 in gingival tissues from patients with periodontitis. <b>2009</b> , 44, 125-32	36

355	Simvastatin therapy in cyclosporine A-induced alveolar bone loss in rats. <b>2009</b> , 44, 479-88	33
354	Matrix metalloproteinase-9 and tissue inhibitor of matrix metalloproteinase-1 in blood as markers for early atherosclerosis in subjects with chronic periodontitis. <b>2009</b> , 44, 452-8	34
353	Cigarette smoke condensate affects the collagen-degrading ability of human gingival fibroblasts. <b>2009</b> , 44, 704-13	26
352	Expression of matrix metalloproteinase-1, matrix metalloproteinase-2 and extracellular metalloproteinase inducer in human periodontal ligament cells stimulated with interleukin-1 beta. <b>2009</b> , 44, 784-93	22
351	Prevotella intermedia upregulates MMP-1 and MMP-8 expression in human periodontal ligament cells. <b>2009</b> , 299, 214-22	35
350	Proteolytic roles of matrix metalloproteinase (MMP)-13 during progression of chronic periodontitis: initial evidence for MMP-13/MMP-9 activation cascade. <b>2009</b> , 36, 1011-7	65
349	Immunohistochemical expression of matrix metalloproteinases 1, 2, and 9 in odontogenic myxoma and dental germ papilla. <b>2009</b> , 205, 458-65	8
348	Grape seed extract suppresses lipopolysaccharide-induced matrix metalloproteinase (MMP) secretion by macrophages and inhibits human MMP-1 and -9 activities. <b>2009</b> , 80, 1875-82	32
347	Assessment of aprotinin influence on periodontal clinical status and matrix metalloproteinases 1, 2 and their tissue inhibitors saliva concentrations in patients with chronic periodontitis. <b>2009</b> , 54, 239-46	10
346	Kinetics of histatin proteolysis in whole saliva and the effect on bioactive domains with metal-binding, antifungal, and wound-healing properties. <b>2009</b> , 23, 2691-701	50
345	Gingival crevicular fluid MMP-8 and -13 and TIMP-1 levels in patients with rheumatoid arthritis and inflammatory periodontal disease. <b>2009</b> , 80, 1307-14	50
344	Salivary biomarkers for clinical applications. <b>2009</b> , 13, 245-59	58
343	The role of host-derived dentinal matrix metalloproteinases in reducing dentin bonding of resin adhesives. <b>2009</b> , 1, 163-76	73
342	Expresi3n de Formas Solubles de MMP-14 y CXCL12 en Periodontitis Cr3nica Progresiva. <b>2009</b> , 2, 46-49	
341	MMPs en la Patogenia de la Periodontitis Apical Cr3nica: ¿Destrucci3n o Protecci3n de los Tejidos Periapicales?. <b>2009</b> , 2, 23-26	
340	Effects of panduratin A isolated from Kaempferia pandurata ROXB. on the expression of matrix metalloproteinase-9 by porphyromonas gingivalis supernatant-induced KB cells. <b>2009</b> , 32, 110-5	11
339	Suppressive effect of ethanolic Kaempferia pandurata Roxb. extract on matrix metalloproteinase-2 expression in Porphyromonas gingivalis-treated human gingival fibroblasts in vitro. <b>2010</b> , 52, 583-91	6
338	Chlorhexidine stabilizes the adhesive interface: a 2-year in vitro study. <b>2010</b> , 26, 320-5	250

337	Enamel matrix derivative induces the expression of tissue inhibitor of matrix metalloproteinase-3 in human gingival fibroblasts via extracellular signal-regulated kinase. <b>2010</b> , 45, 200-6		22
336	Longitudinal study of salivary proteinases during pregnancy and postpartum. <b>2010</b> , 45, 496-503		22
335	Detection of gingival crevicular fluid MMP-8 levels with different laboratory and chair-side methods. <i>Oral Diseases</i> , <b>2010</b> , 16, 39-45	3.5	120
334	Crevicular fluid matrix metalloproteinase-8, -13, and TIMP-1 levels in type 2 diabetics. <i>Oral Diseases</i> , <b>2010</b> , 16, 476-81	3.5	27
333	MMP-9/TIMP-1 imbalance induced in human dendritic cells by <i>Porphyromonas gingivalis</i> . <b>2010</b> , 58, 314-21		37
332	Gingival crevicular fluid levels of MMP-8, MMP-9, TIMP-2, and MPO decrease after periodontal therapy. <b>2010</b> , 37, 180-90		94
331	Salivary MMP-8, TIMP-1, and ICTP as markers of advanced periodontitis. <b>2010</b> , 37, 487-93		130
330	Gingival crevicular fluid can degrade Emdogain and inhibit Emdogain-induced proliferation of periodontal ligament fibroblasts. <b>2010</b> , 45, 353-60		4
329	Dys-regulated Gene Expression Networks by Meta-Analysis of Microarray Data on Oral Squamous Cell Carcinoma. <b>2010</b> ,		
328	Effects of tobacco and <i>P. gingivalis</i> on gingival fibroblasts. <b>2010</b> , 89, 527-31		20
327	Periodontitis and cardiovascular diseases. <b>2010</b> , 14, 1023-7		20
326	Evaluation of the influence of ozonotherapy on the clinical parameters and MMP levels in patients with chronic and aggressive periodontitis. <b>2010</b> , 55, 297-307		28
325	Autoactivation of Proteolytic Activity in Human Whole Saliva. <b>2010</b> , 52, 402-408		0
324	Smoking affects diagnostic salivary periodontal disease biomarker levels in adolescents. <b>2010</b> , 81, 1299-307		50
323	Effects of scaling and root planing and subantimicrobial dose doxycycline on gingival crevicular fluid levels of matrix metalloproteinase-8, -13 and serum levels of HsCRP in patients with chronic periodontitis. <b>2010</b> , 81, 1132-9		32
322	Associations between matrix metalloproteinase-8 and -14 and myeloperoxidase in gingival crevicular fluid from subjects with progressive chronic periodontitis: a longitudinal study. <b>2010</b> , 81, 1644-52		75
321	Bone morphogenetic protein-7 enhances cementoblast function in vitro. <b>2010</b> , 81, 1663-74		39
320	Cysteine cathepsins in human dentin-pulp complex. <b>2010</b> , 36, 475-81		174

319	Overexpression of matrix metalloproteinase (MMP)-1 and -9 in central giant cell lesions of the jaws: implications for clinical behavior. <b>2010</b> , 110, 755-63	6
318	Bioactive compounds in cranberries and their biological properties. <b>2010</b> , 50, 666-79	149
317	Periodontal status and neutrophilic enzyme levels in gingival crevicular fluid during pregnancy and postpartum. <b>2010</b> , 81, 1790-6	23
316	Modulation of matrix metalloproteinase and cytokine production by licorice isolates licoricidin and licorisoflavan A: potential therapeutic approach for periodontitis. <b>2011</b> , 82, 122-8	39
315	Effects of cigarette smoke condensate and nicotine on human gingival fibroblast-mediated collagen degradation. <b>2011</b> , 82, 1071-9	31
314	Collagenase-2 (MMP-8) as a point-of-care biomarker in periodontitis and cardiovascular diseases. Therapeutic response to non-antimicrobial properties of tetracyclines. <b>2011</b> , 63, 108-13	98
313	Salivary biomarkers for periodontal disease diagnostics. <b>2011</b> , 5, 25-35	16
312	Matrix metalloproteinase8 has a central role in inflammatory disorders and cancer progression. <b>2011</b> , 22, 73-81	66
311	Effect of chlorhexidine and ethanol on the durability of the adhesion of the fiber post relined with resin composite to the root canal. <b>2011</b> , 37, 678-83	54
310	Influence of chlorhexidine and ethanol on the bond strength and durability of the adhesion of the fiber posts to root dentin using a total etching adhesive system. <b>2011</b> , 37, 1310-5	48
309	Matrix metalloproteinase-8 and substance P levels in gingival crevicular fluid during endodontic treatment of painful, nonvital teeth. <b>2011</b> , 112, 548-54	16
308	Immunohistochemical expression of matrix metalloproteinases 1, 2, 7, 9, and 26 in the calcifying cystic odontogenic tumor. <b>2011</b> , 112, 609-15	6
307	Host-pathogen interactions in progressive chronic periodontitis. <b>2011</b> , 90, 1164-70	122
306	Effect of tetracycline on the bond performance of etch-and-rinse adhesives to dentin. <b>2011</b> , 25, 459-65	14
305	Use of Host- and Bacteria-Derived Salivary Markers in Detection of Periodontitis: A Cumulative Approach. <b>2011</b> , 30, 299-305	65
304	The effects of Candida proteinases on human proMMP-9, TIMP-1 and TIMP-2. <b>2011</b> , 54, 325-30	8
303	Host-derived diagnostic markers related to soft tissue destruction and bone degradation in periodontitis. <b>2011</b> , 38 Suppl 11, 85-105	203
302	MMP-8 -799 C>T genetic polymorphism is associated with the susceptibility to chronic and aggressive periodontitis in Taiwanese. <b>2011</b> , 38, 1078-84	12

301	Reduced expression of lipopolysaccharide-induced CXC chemokine in Porphyromonas gingivalis-induced experimental periodontitis in matrix metalloproteinase-8 null mice. <b>2011</b> , 46, 58-66		39
300	Inhibition of host- and bacteria-derived proteinases by natural anthocyanins. <b>2011</b> , 46, 550-7		9
299	The effect of smoking on the mRNA expression of MMPs and TIMP-1 in untreated chronic periodontitis patients: a cross-sectional study. <b>2011</b> , 46, 576-83		10
298	Smoking and matrix metalloproteinases, neutrophil elastase and myeloperoxidase in chronic periodontitis. <i>Oral Diseases</i> , <b>2011</b> , 17, 68-76	3-5	47
297	Oral rinse MMP-8 point-of-care immuno test identifies patients with strong periodontal inflammatory burden. <i>Oral Diseases</i> , <b>2011</b> , 17, 115-22	3-5	56
296	Molecular review of odontogenic myxoma. <b>2011</b> , 47, 325-8		29
295	Effects of LP-MOCVD prepared TiO <sub>2</sub> thin films on the in vitro behavior of gingival fibroblasts. <b>2011</b> , 125, 485-492		12
294	Immortalization and characterization of normal oral epithelial cells without using HPV and SV40 genes. <b>2011</b> , 8, 20-28		11
293	n-Butanol extracts of Panax notoginseng suppress LPS-induced MMP-2 expression in periodontal ligament fibroblasts and inhibit osteoclastogenesis by suppressing MAPK in LPS-activated RAW264.7 cells. <b>2011</b> , 56, 1319-27		25
292	Gingival crevicular fluid MMP-8-concentrations in patients after acute myocardial infarction. <b>2011</b> , 7, 1		14
291	Patients with Peri-Implantitis, unlike Those with a Healthy Peri-Implant Microenvironment, Display Antibodies to More Than One Heat Shock Protein (HSP 27, HSP 65 and HSP 90) Linear Epitope. <b>2011</b> , 9, 257-267		6
290	Activity of matrix metalloproteinases in bovine versus human dentine. <b>2011</b> , 45, 429-34		21
289	Effects of potassium aluminum sulfate on TNF- $\alpha$ MMP -1 and MMP-8 levels at gingival crevicular fluid in periodontally healthy subjects: a pilot study. <b>2012</b> , 37, 315-321		1
288	Enzyme activities in the oral fluids of patients suffering from bulimia: a controlled clinical trial. <b>2012</b> , 46, 130-9		39
287	Análisis de MMPs en fluidos orales en el diagnóstico complementario de las enfermedades periodontales. <b>2012</b> , 5, 150-153		1
286	Molecular pathways involved in crosstalk between cancer cells, osteoblasts and osteoclasts in the invasion of bone by oral squamous cell carcinoma. <b>2012</b> , 44, 221-7		13
285	Salivary peptidome in type 1 diabetes mellitus. <b>2012</b> , 26, 571-82		19
284	Downregulation of osteopontin in the mouse salivary gland after X-ray irradiation. <b>2012</b> , 28, 75-81		

283	Myricetin suppresses LPS-induced MMP expression in human gingival fibroblasts and inhibits osteoclastogenesis by downregulating NFATc1 in RANKL-induced RAW 264.7 cells. <b>2012</b> , 57, 1623-32	41
282	Matrix metalloproteinase-8 is the major potential collagenase in active peri-implantitis. <b>2012</b> , 56, 249-55	30
281	Triptolide inhibits ovarian cancer cell invasion by repression of matrix metalloproteinase 7 and 19 and upregulation of E-cadherin. <b>2012</b> , 44, 633-41	53
280	Effects of relaxin on relapse and periodontal tissue remodeling after experimental tooth movement in rats. <b>2012</b> , 53, 207-19	30
279	Matrix metalloproteinase-1 of gingival fibroblasts influenced by advanced glycation end products (AGEs) and their association with receptor for AGEs and nuclear factor- $\kappa$ B in gingival connective tissue. <b>2012</b> , 83, 119-26	35
278	Cranberry proanthocyanidins: natural weapons against periodontal diseases. <b>2012</b> , 60, 5728-35	69
277	Single nucleotide polymorphism -799C/T in matrix metalloproteinase-8 promoter region in arterial disease. <b>2012</b> , 18, 511-7	12
276	Effects of <i>Calendula officinalis</i> on human gingival fibroblasts. <b>2012</b> , 101, 92-8	91
275	Gingival crevicular fluid levels of matrix metalloproteinases cross-sectionally related to periodontitis and metabolic syndrome in community Koreans. <b>2012</b> , 39, 1125-31	9
274	Gingival Crevicular Fluid, Matrix Metalloproteinases, and Their Bioactive Regulators as Potential Adjunctive Chair-Side Point-of-Care Biomarkers in Orthodontic Tooth Movement. <b>2012</b> , 18, 270-277	3
273	Host-bacteria crosstalk at the dentogingival junction. <b>2012</b> , 2012, 821383	18
272	The Role of Immuno-Inflammatory Response in the Pathogenesis of Chronic Periodontitis and Development of Chair-Side Point of Care Diagnostics. <b>2012</b> ,	4
271	Periodontal pathogen <i>Aggregatibacter actinomycetemcomitans</i> deteriorates pressure overload-induced myocardial hypertrophy in mice. <b>2012</b> , 53, 324-30	17
270	Integrating multiple microarray datasets on oral squamous cell carcinoma to reveal dysregulated networks. <b>2012</b> , 34, 1789-97	8
269	Degradation of the resin-dentin bonds after simulated and inhibited cariogenic challenge in an in situ model. <b>2012</b> , 100, 1466-71	11
268	Cyr61 increases matrix metalloproteinase-3 expression and cell motility in human oral squamous cell carcinoma cells. <b>2012</b> , 113, 1977-86	11
267	Matrix metalloproteinase-8 expression in periodontal tissues surgically removed from diabetic and non-diabetic patients with periodontal disease. <b>2012</b> , 39, 249-55	17
266	Associations of periodontal microorganisms with salivary proteins and MMP-8 in gingival crevicular fluid. <b>2012</b> , 39, 256-63	25

265	Full-mouth profile of active MMP-8 in periodontitis patients. <b>2012</b> , 47, 121-8	30
264	Matrix metalloproteinase 8 (MMP8) gene polymorphisms in chronic periodontitis. <b>2012</b> , 57, 188-96	30
263	Effect of scaling and root planing on interleukin-1 $\beta$ interleukin-8 and MMP-8 levels in gingival crevicular fluid from chronic periodontitis patients. <b>2012</b> , 47, 681-8	50
262	The roles of matrix metalloproteinases-2, -7, -10 and tissue inhibitor of metalloproteinase-1 in the pathogenesis of oral lichen planus. <b>2012</b> , 41, 689-96	15
261	Hypoxia induces apoptosis and autophagic cell death in human periodontal ligament cells through HIF-1 $\beta$ pathway. <b>2012</b> , 45, 239-48	53
260	The association of serum neutrophil markers and acute coronary syndrome. <b>2012</b> , 76, 181-7	20
259	Deproteinization technique stabilizes the adhesion of the fiberglass post relined with resin composite to root canal. <b>2012</b> , 100, 577-83	10
258	The expression and regulation of matrix metalloproteinase-3 is critically modulated by Porphyromonas gingivalis lipopolysaccharide with heterogeneous lipid A structures in human gingival fibroblasts. <b>2013</b> , 13, 73	18
257	Strategies to prevent hydrolytic degradation of the hybrid layer-A review. <b>2013</b> , 29, 999-1011	248
256	A novel ameloblastoma cell line (AM-3) secretes MMP-9 in response to Wnt-3a and induces osteoclastogenesis. <b>2013</b> , 115, 780-8	19
255	In situ study of the gelatinase activity in demineralized dentin from rat molar teeth. <b>2013</b> , 115, 245-51	13
254	Periodontal treatment reduces matrix metalloproteinase levels in localized aggressive periodontitis. <b>2013</b> , 84, 1801-8	40
253	Extracellular $\beta$ NAD(+) inhibits interleukin-1-induced matrix metalloproteinase-1 and -3 expression on human gingival fibroblasts. <b>2013</b> , 54, 204-9	4
252	Salivary MMPs, TIMPs, and MPO levels in periodontal disease patients and controls. <b>2013</b> , 421, 140-6	38
251	Identification of periodontitis associated changes in the proteome of whole human saliva by mass spectrometric analysis. <b>2013</b> , 40, 825-32	71
250	Overview of clinical alternatives to minimize the degradation of the resin-dentin bonds. <b>2013</b> , 38, E1-E25	47
249	Inhibitory effect of Zingiber cassumunar extracts on lipopolysaccharide-induced cyclooxygenase-2 and matrix metalloproteinase expression in human gingival fibroblasts. <b>2013</b> , 48, 507-16	13
248	Toxicity of areca nut ingredients: activation of CHK1/CHK2, induction of cell cycle arrest, and regulation of MMP-9 and TIMPs production in SAS epithelial cells. <b>2013</b> , 35, 1295-302	16

247	mRNA expression of MMP-28 (Epilysin) in gingival tissues of chronic and aggressive periodontitis patients: a reverse transcriptase PCR study. <b>2013</b> , 35, 113-8		5
246	Temporal expression of metalloproteinase-8 and -13 and their relationships with extracellular matrix metalloproteinase inducer in the development of ligature-induced periodontitis in rats. <b>2013</b> , 48, 411-9		15
245	Treponema denticola associates with increased levels of MMP-8 and MMP-9 in gingival crevicular fluid. <i>Oral Diseases</i> , <b>2013</b> , 19, 694-701	3.5	19
244	Inflammatory mediators in the pathogenesis of periodontitis. <b>2013</b> , 15, e7		214
243	Matrix metalloproteinases 2, 3, 8, 9, and 13 in the peri-implant soft tissues around titanium and zirconium oxide healing caps. <b>2013</b> , 28, 1546-51		11
242	Expression of MMP-2 and MMP-9 in the rat trigeminal ganglion during the development of temporomandibular joint inflammation. <b>2013</b> , 46, 956-967		17
241	Correlation of expression and activity of matrix metalloproteinase-9 and -2 in human gingival cells of periodontitis patients. <b>2013</b> , 43, 24-9		16
240	Immunohistochemical correlation of matrix metalloproteinase-2 and tissue inhibitors of metalloproteinase-2 in tobacco associated epithelial dysplasia. <b>2014</b> , 2014, 197813		12
239	The landscape of protein biomarkers proposed for periodontal disease: markers with functional meaning. <b>2014</b> , 2014, 569632		7
238	Feline eosinophilic dermatoses: a retrospective immunohistochemical and ultrastructural study of extracellular matrix remodelling. <b>2014</b> , 25, 86-94, e26		3
237	Validation of periodontitis screening model using sociodemographic, systemic, and molecular information in a Korean population. <b>2014</b> , 85, 1676-83		12
236	Green tea extract and its major constituent, epigallocatechin-3-gallate, induce epithelial beta-defensin secretion and prevent beta-defensin degradation by Porphyromonas gingivalis. <b>2014</b> , 49, 615-23		27
235	Estimation of tissue inhibitor of matrix metalloproteinase-1 levels in gingival crevicular fluid in periodontal health, disease and after treatment. <b>2014</b> , 18, 301-5		7
234	Cellular populations of periimplant tissues: cytological analysis with sulcular microbrushing. <b>2014</b> , 23, 98-102		1
233	Insights into the role of components of the tumor microenvironment in oral carcinoma call for new therapeutic approaches. <b>2014</b> , 325, 58-64		35
232	Human gingival fibroblasts function is stimulated on machined hydrided titanium zirconium dental implants. <b>2014</b> , 42, 30-8		26
231	Microbiological and immuno-pathological aspects of peri-implant diseases. <b>2014</b> , 59, 66-72		120
230	Matrix metalloproteinases and periodontal diseases. <i>Oral Diseases</i> , <b>2014</b> , 20, 538-50	3.5	85

229	Dentin biomodification: strategies, renewable resources and clinical applications. <b>2014</b> , 30, 62-76		157
228	Pregnancy-induced gingivitis and OMICS in dentistry: in silico modeling and in vivo prospective validation of estradiol-modulated inflammatory biomarkers. <b>2014</b> , 18, 582-90		14
227	Serum and salivary matrix metalloproteinases, neutrophil elastase, myeloperoxidase in patients with chronic or aggressive periodontitis. <b>2014</b> , 37, 1771-8		37
226	Clinical correlates of a lateral-flow immunoassay oral risk indicator. <b>2014</b> , 85, 188-94		52
225	Salivary biomarkers for detection of oral squamous cell carcinoma - current state and recent advances. <b>2014</b> , 1, 133-141		80
224	The effect of adjunctive chlorhexidine mouthrinse on GCF MMP-8 and TIMP-1 levels in gingivitis: a randomized placebo-controlled study. <b>2014</b> , 14, 55		5
223	Gingival crevicular fluid matrix metalloproteinase-8 levels predict treatment outcome among smokers with chronic periodontitis. <b>2014</b> , 85, 250-60		39
222	Matrix Metalloproteinase-8 Gene Polymorphism in Chronic Periapical Lesions. <b>2015</b> , 36, 217-24		5
221	Reduction in dental hypersensitivity with nano-hydroxyapatite, potassium nitrate, sodium monofluorophosphate and antioxidants. <i>Open Dentistry Journal</i> , <b>2015</b> , 92-7	0.8	23
220	Salivary Antimicrobial Peptides in Early Detection of Periodontitis. <b>2015</b> , 5, 99		22
219	Host response mechanisms in periodontal diseases. <b>2015</b> , 23, 329-55		216
218	Caries correlates strongly to salivary levels of matrix metalloproteinase-8. <b>2015</b> , 49, 1-8		32
217	Expression of Interleukin-1 $\beta$ and Matrix Metalloproteinase-8 in Cytolytic and Noncytolytic Enterococcus faecalis-induced Persistent Apical Periodontitis: A Comparative Study in the Rat. <b>2015</b> , 41, 1288-93		7
216	In vitro effect of caffeic acid phenethyl ester on matrix metalloproteinases (MMP-1 and MMP-9) and their inhibitor (TIMP-1) in lipopolysaccharide-activated human monocytes. <b>2015</b> , 60, 1196-202		11
215	Effect of nonsurgical periodontal treatment in conjunction with either systemic administration of amoxicillin and metronidazole or additional photodynamic therapy on the concentration of matrix metalloproteinases 8 and 9 in gingival crevicular fluid in patients with aggressive periodontitis. <b>2015</b> , 15, 63		22
214	The utility of gingival crevicular fluid matrix metalloproteinase-8 response patterns in prediction of site-level clinical treatment outcome. <b>2015</b> , 86, 777-87		39
213	Role of salivary matrix metalloproteinase-8 (MMP-8) in chronic periodontitis diagnosis. <b>2015</b> , 9, 72-6		25
212	A hypothetical role for vitamin K2 in the endocrine and exocrine aspects of dental caries. <b>2015</b> , 84, 276-80		3

211	Piperine inhibit inflammation, alveolar bone loss and collagen fibers breakdown in a rat periodontitis model. <b>2015</b> , 50, 758-65		26
210	Activated matrix metalloproteinase-8 in saliva as diagnostic test for periodontal disease? A case-control study. <b>2015</b> , 204, 665-72		43
209	Impact of metronidazole and amoxicillin combination on matrix metalloproteinases-1 and tissue inhibitors of matrix metalloproteinases balance in generalized aggressive periodontitis. <i>European Journal of Dentistry</i> , <b>2015</b> , 9, 53-59	2.6	7
208	Clinical and Biochemical Evaluation of Lozenges Containing Lactobacillus reuteri as an Adjunct to Non-Surgical Periodontal Therapy in Chronic Periodontitis. <b>2015</b> , 86, 746-54		106
207	Evaluation of Local and Systemic Levels of Interleukin-17, Interleukin-23, and Myeloperoxidase in Response to Periodontal Therapy in Patients with Generalized Aggressive Periodontitis. <b>2015</b> , 38, 1959-68		23
206	Systemic Biomarkers for Periodontitis. <b>2015</b> , 2, 218-226		8
205	Periodontal Inflammatory Burden and Salivary Matrix Metalloproteinase-8 Concentration Among Patients With Chronic Kidney Disease at the Predialysis Stage. <b>2015</b> , 86, 1212-20		12
204	Role of saliva proteinase 3 in dental caries. <b>2015</b> , 7, 174-8		10
203	Microfluidic Sample Preparation for Medical Diagnostics. <b>2015</b> , 17, 267-86		81
202	Antibacterial and antigelatinolytic effects of Satureja hortensis L. essential oil on epithelial cells exposed to Fusobacterium nucleatum. <b>2015</b> , 18, 503-6		10
201	Theaflavins inhibit pathogenic properties of P. gingivalis and MMPs production in P. gingivalis-stimulated human gingival fibroblasts. <b>2015</b> , 60, 12-22		37
200	MATRIX METALLOPROTEINASES 2 AND 9 IN AVOCATION OF MULTITUDINAL COMPLICATIONS IN EXPLICITLY TO CARCINOMA: REVIEW. <b>2016</b> , 10, 47		
199	The Clinical Effectiveness of Post-Brushing Rinsing in Reducing Plaque and Gingivitis: A Systematic Review. <b>2016</b> , 10, ZE01-7		8
198	Influence of Type 2 Diabetes on Prevalence of Key Periodontal Pathogens, Salivary Matrix Metalloproteinases, and Bone Remodeling Markers in Sudanese Adults with and without Chronic Periodontitis. <b>2016</b> , 2016, 6296854		8
197	Oral fluid matrix metalloproteinase (MMP)-8 as a diagnostic tool in chronic periodontitis. <b>2016</b> , 11		4
196	Molecular Recognition of the Catalytic Zinc(II) Ion in MMP-13: Structure-Based Evolution of an Allosteric Inhibitor to Dual Binding Mode Inhibitors with Improved Lipophilic Ligand Efficiencies. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 314	6.3	12
195	Association of susceptible genotypes to periodontal disease with the clinical outcome and tooth survival after non-surgical periodontal therapy: A systematic review and meta-analysis. <b>2016</b> , 21, e14-29		7
194	Analysis of matrix metalloproteinases, especially MMP-8, in gingival crevicular fluid, mouthrinse and saliva for monitoring periodontal diseases. <b>2016</b> , 70, 142-63		145

193	Do matrix metalloproteinase inhibitors improve the bond durability of universal dental adhesives?. <b>2016</b> , 38, 535-544		26
192	Peroxisome proliferator-activated receptor $\gamma$ inhibits Porphyromonas gingivalis lipopolysaccharide-induced activation of matrix metalloproteinase-2 by downregulating NADPH oxidase 4 in human gingival fibroblasts. <b>2016</b> , 31, 398-409		11
191	Rapid assessment of salivary MMP-8 and periodontal disease using lateral flow immunoassay. <i>Oral Diseases</i> , <b>2016</b> , 22, 681-7	3.5	38
190	In vitro comparison of new bisphosphonic acids and zoledronate effects on human gingival fibroblasts viability, inflammation and matrix turnover. <b>2016</b> , 20, 2013-2021		7
189	Collagen degradation and preservation of MMP-8 activity in human dentine matrix after demineralization. <b>2016</b> , 68, 66-72		15
188	Incipient periodontitis and salivary molecules among Korean adults: association and screening ability. <b>2016</b> , 43, 1032-1040		9
187	Matrix metalloproteinase gene polymorphisms and periodontitis susceptibility: a meta-analysis involving 6,162 individuals. <b>2016</b> , 6, 24812		19
186	Inflammatory mediator polymorphisms associate with initial periodontitis in adolescents. <i>Clinical and Experimental Dental Research</i> , <b>2016</b> , 2, 208-215	1.9	7
185	MMP-1/2 and TIMP-1/2 expression levels, and the levels of collagenous and elastic fibers correlate with disease progression in a hamster model of tongue cancer. <b>2016</b> , 11, 63-68		4
184	Suppression of the migration and invasion is mediated by triptolide in B16F10 mouse melanoma cells through the NF-kappaB-dependent pathway. <b>2016</b> , 31, 1974-1984		13
183	Host-derived biomarkers at teeth and implants in partially edentulous patients. A 10-year retrospective study. <b>2016</b> , 27, 211-7		35
182	Nonsurgical therapy of chronic periodontitis with adjunctive systemic azithromycin or amoxicillin/metronidazole. <b>2016</b> , 20, 1765-73		17
181	Activation of Receptor Activator of Nuclear Factor- $\kappa$ B Ligand and Matrix Metalloproteinase Production in Periodontal Fibroblasts by Endothelin Signaling. <b>2016</b> , 87, e1-8		10
180	Association study for the role of Matrix metalloproteinases 2 and 3 gene polymorphisms in dental caries susceptibility. <b>2016</b> , 68, 9-12		13
179	Genome-wide association study of dental caries in the Hispanic Communities Health Study/Study of Latinos (HCHS/SOL). <b>2016</b> , 25, 807-16		21
178	Genome-wide transcriptome induced by Porphyromonas gingivalis LPS supports the notion of host-derived periodontal destruction and its association with systemic diseases. <b>2016</b> , 22, 72-84		11
177	Neutrophil proteolytic activation cascades: a possible mechanistic link between chronic periodontitis and coronary heart disease. <b>2016</b> , 22, 85-99		42
176	Periodontal pathogenic bacteria and aMMP-8 findings depending on periodontal conditions of patients before and after liver transplantation. <b>2017</b> , 21, 745-752		9

175	Analysis of the 100 most-cited articles in periodontology. <b>2017</b> , 8, e12222		21
174	Microbiological and aMMP-8 findings depending on peri-implant disease in patients undergoing supportive implant therapy. <b>2017</b> , 88, 47-52		12
173	Decreased levels of matrix metalloproteinase-2 in root-canal exudates during root canal treatment. <b>2017</b> , 82, 27-32		4
172	Adiponectin: Serum-saliva associations and relations with oral and systemic markers of inflammation. <b>2017</b> , 91, 58-64		18
171	Influence of different forms and materials (zirconia or titanium) of abutments in peri-implant soft-tissue healing using matrix metalloproteinase-8: A randomized pilot study. <b>2017</b> , 118, 475-480		11
170	New Preventive Approaches Part II: Role of Dentin Biomodifiers in Caries Progression. <b>2017</b> , 26, 97-105		
169	LOX-1 is involved in IL-1 $\beta$ production and extracellular matrix breakdown in dental peri-implantitis. <b>2017</b> , 52, 127-135		10
168	Diagnosing peri-implant disease using the tongue as a 24/7 detector. <b>2017</b> , 8, 264		24
167	Bioresponsive Diagnostik - die Zunge als Detektor oraler Entzündungen. <b>2017</b> , 23, 782-784		1
166	Gingival Tissue Inflammation Promotes Increased Matrix Metalloproteinase-12 Production by CD200R Monocyte-Derived Cells in Periodontitis. <b>2017</b> , 199, 4023-4035		19
165	Interleukin-12-mediated expression of matrix metalloproteinases in human periodontal ligament fibroblasts involves in NF- $\kappa$ B activation. <i>Bioscience Reports</i> , <b>2017</b> , 37,	4.1	7
164	Effects of IL-13 on TGF- $\beta$ and MMP-1 in periodontitis. <b>2017</b> , 92, 374-380		10
163	Black tea theaflavins attenuate Porphyromonas gingivalis virulence properties, modulate gingival keratinocyte tight junction integrity and exert anti-inflammatory activity. <b>2017</b> , 52, 458-470		21
162	Matrix metalloproteinase-8 activity in gingival crevicular fluid: development of a novel assay. <b>2017</b> , 52, 556-561		11
161	Matrix metalloproteinases-3 gene-promoter polymorphism as a risk factor in oral submucous fibrosis in an Indian population: a pilot study. <b>2017</b> , 8, e12228		3
160	Co-existence of benign gynecological tumors with endometriosis in a group of 1,000 women. <b>2018</b> , 15, 1529-1532		10
159	New Insights into the Role of Matrix Metalloproteinases in Preeclampsia. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	56
158	Genetic Association of , , and with Dental Caries. <b>2017</b> , 2017, 8465125		8

- 157 Molecular mechanism of invasion and metastasis in oral cancer. **2017**, 63, 62-68
- 156 Updates on the Molecular Genetics of Colorectal Cancer. **2017**, 03, 2
- 155 Genetic Polymorphism in MMP9 May Be Associated With Anterior Open Bite in Children. **2017**, 28, 277-280 4
- 154 Salivary biomarkers and cardiovascular disease: a systematic review. **2018**, 56, 1432-1442 16
- 153 Human beta defensin 3 alters matrix metalloproteinase production in human dendritic cells exposed to *Porphyromonas gingivalis* hemagglutinin B. **2018**, 89, 361-369 2
- 152 Matrix metalloproteinase-8 levels in oral samples as a biomarker for periodontitis in the Chinese population: an observational study. **2018**, 18, 51 5
- 151 Probiotic intervention influences the salivary levels of Matrix Metalloproteinase (MMP)-9 and Tissue Inhibitor of metalloproteinases (TIMP)-1 in healthy adults. **2018**, 85, 58-63 15
- 150 Pathogenesis of Periodontal Diseases. **2018**, 3
- 149 Differentially expressed alternatively spliced genes in skeletal muscle from cancer patients with cachexia. **2018**, 9, 60-70 16
- 148 Clinical and radiographic periodontal parameters and release of collagen degradation biomarkers in naswar dippers. **2018**, 53, 123-130 14
- 147 Associations of oral fluid MMP-8 with periodontitis in Swiss adult subjects. *Oral Diseases*, **2018**, 24, 449-455 27
- 146 Matrix metalloproteinase-8 levels in periodontal disease patients: A systematic review. **2018**, 53, 156-163 28
- 145 Effects of calcium hydroxide and N-acetylcysteine on MMP-2, MMP-9, TIMP-1 and TIMP-2 in LPS-stimulated macrophage cell lines. **2018**, 43, 571-577 1
- 144 Novel Approaches to the Control of Oral Microbial Biofilms. **2018**, 2018, 6498932 45
- 143 Photoaging. **2018**, 65-75
- 142 Mechanical stretch aggravates aortic dissection by regulating MAPK pathway and the expression of MMP-9 and inflammation factors. **2018**, 108, 1294-1302 14
- 141 Bisphosphonate matrix metalloproteinase inhibitors for the treatment of periodontitis: An in vitro study. **2018**, 42, 651-657 3
- 140 Probiotic supplements containing *Lactobacillus reuteri* does not affect the levels of matrix metalloproteinases and interferons in oral wound healing. **2018**, 11, 759 6

139	Point-of-Care/Chairside aMMP-8 Analytics of Periodontal Diseases' Activity and Episodic Progression. <b>2018</b> , 8,	22
138	The effects of smoking on the expression of gelatinases in chronic periodontitis: a cross-sectional study. <b>2018</b> , 32, e114	4
137	Platelets isolated from an Alzheimer mouse damage healthy cortical vessels and cause inflammation in an organotypic ex vivo brain slice model. <b>2018</b> , 8, 15483	22
136	Matrix Metalloproteinase-8 as an Inflammatory and Prevention Biomarker in Periodontal and Peri-Implant Diseases. <b>2018</b> , 2018, 7891323	38
135	Association of chairside salivary aMMP-8 findings with periodontal risk assessment parameters in patients receiving supportive periodontal therapy. <b>2018</b> , 48, 251-260	9
134	Serum MMP-8 and TIMP-1 as prognostic biomarkers in gastric cancer. <b>2018</b> , 40, 1010428318799266	14
133	Development and in vitro evaluation of chitosan based system for local delivery of atorvastatin for treatment of periodontitis. <b>2018</b> , 124, 208-216	16
132	Uveal melanocytes express high constitutive levels of MMP-8 which can be upregulated by TNF- $\alpha$ via the MAPK pathway. <b>2018</b> , 175, 181-191	6
131	Topic: aMMP-8 Oral Fluid PoC Test. <b>2018</b> , 33-41	
130	Dual action of highbush blueberry proanthocyanidins on <i>Aggregatibacter actinomycetemcomitans</i> and the host inflammatory response. <b>2018</b> , 18, 10	20
129	The validity, stability, and utility of measuring uric acid in saliva. <b>2018</b> , 12, 583-596	31
128	The Role of Genetic Factors in the Outbreak Mechanism of Dental Caries. <b>2018</b> , 42, 32-36	10
127	Translational Oral Health Research. <b>2018</b> ,	2
126	Chlorhexidine, a Matrix Metalloproteinase Inhibitor and the Development of Secondary Caries Wall Lesions in a Microcosm Biofilm Model. <b>2019</b> , 53, 107-117	6
125	Detection of peri-implant inflammation by the use of a matrix metalloproteinase-8 chair-side test. <b>2019</b> , 68, 168-176	4
124	Born too young and likely to die; Should this continue?. <b>2019</b> , 4, e00101	
123	Modulatory effect of curcumin analogs on the activation of metalloproteinases in human periodontal stem cells. <b>2019</b> , 127, 304-312	4
122	Metalloproteinase 14 (MMP-14) and hsa-miR-410-3p expression in human inflamed dental pulp and odontoblasts. <b>2019</b> , 152, 345-353	8

121	Potential Effect of Tobacco Consumption through Smoking and Chewing Tobacco on IL1beta Protein Expression in Chronic Periodontitis Patients: In Silico Molecular Docking Study. <b>2020</b> , 17, 1364-1371	4
120	Associations of chairside salivary aMMP-8 findings with periodontal parameters, potentially periodontal pathogenic bacteria and selected blood parameters in systemically healthy adults. <b>2019</b> , 95, 179-184	9
119	Investigation of active matrix- metalloproteinase-8 (aMMP-8) as a reference parameter for path control in antimicrobial photothermal therapy (aPTT) using a split-mouth design. <b>2019</b> , 5, e01661	1
118	Matrix metalloproteinases and inhibitors in dentistry. <b>2019</b> , 23, 2823-2835	25
117	Discretionary Transduction of MMP-Sensitized Toused in Head and Neck Cancer. <b>2019</b> , 14, 57-65	3
116	Recent trends of saliva omics biomarkers for the diagnosis and treatment of oral cancer. <b>2019</b> , 61, 84-94	10
115	Matrix metalloproteinase gene polymorphisms in chronic periodontitis: a case-control study in the Indian population. <i>Journal of Genetics</i> , <b>2019</b> , 98, 1	1.2 3
114	MMP-8-Responsive Polyethylene Glycol Hydrogel for Intraoral Drug Delivery. <b>2019</b> , 98, 564-571	22
113	Review of the association between periodontitis and chronic obstructive pulmonary disease in smokers. <b>2019</b> , 89,	9
112	Tea polyphenols: application in the control of oral microorganism infectious diseases. <b>2019</b> , 102, 74-82	16
111	Marfan syndrome with type 2 diabetes mellitus: A case report from China. <b>2019</b> , 98, e14176	
110	Deep sequencing salivary proteins for periodontitis using proteomics. <b>2019</b> , 23, 3571-3580	13
109	Meta-analysis of the association between serum and gingival crevicular fluid matrix metalloproteinase-9 and periodontitis. <b>2019</b> , 150, 34-41	5
108	Effect of a structured plaque control on MMP-1 and MMP-9 crevicular levels in patients with desquamative gingivitis associated with oral lichen planus. <b>2019</b> , 23, 2651-2658	2
107	Effect of sonic versus manual supervised toothbrushing on both clinical and biochemical profiles of patients with desquamative gingivitis associated with oral lichen planus: A randomized controlled trial. <b>2019</b> , 17, 161-169	2
106	Roles of matrix metalloproteinases (MMPs) in SM-induced pathologies. <b>2020</b> , 39, 24-33	1
105	Regulation of matrix metalloproteinase-1 by Filifactor alocis in human gingival and monocytic cells. <b>2020</b> , 24, 1987-1995	3
104	Mechanisms of Parenteral Nutrition-Associated Liver and Gut Injury. <b>2020</b> , 35, 63-71	15

103	Salivary total Immunoglobulin G as a surrogate marker of oral immune activity in salivary bioscience research. <b>2020</b> , 1,	3
102	A novel multi-locus genetic risk score identifies patients with higher risk of generalized aggressive periodontitis. <b>2020</b> , 91, 925-932	3
101	Transcriptome analysis of human periodontal ligament fibroblasts exposed to Porphyromonas gingivalis LPS. <b>2020</b> , 110, 104632	3
100	Coexpression of Matrix Metalloproteinase-7 and Tissue Inhibitor of Metalloproteinase-1 as a Prognostic Biomarker in Gastric Cancer. <b>2020</b> , 2020, 8831466	2
99	Correspondence Between Cytomegalovirus Immunoglobulin-G Levels Measured in Saliva and Serum. <b>2020</b> , 11, 2095	0
98	Activation of Gingival Fibroblasts by Bacterial Cyclic Dinucleotides and Lipopolysaccharide. <b>2020</b> , 9,	3
97	MMP-8, TRAP-5, and OPG Levels in GCF Diagnostic Potential to Discriminate between Healthy Patients', Mild and Severe Periodontitis Sites. <b>2020</b> , 10,	3
96	Interleukin-25 regulates matrix metalloproteinase-2 and -9 expression in periodontal fibroblast cells through ERK and P38MAPK pathways. <b>2020</b> , 44, 2220-2230	2
95	Diagnostic and Prognostic ability of salivary MMP-9 and S100A8 for periodontitis. <b>2020</b> , 47, 1191-1200	4
94	Diagnostic Accuracy of Oral Fluids Biomarker Profile to Determine the Current and Future Status of Periodontal and Peri-Implant Diseases. <b>2020</b> , 10,	13
93	Diagnostic ability of salivary matrix metalloproteinase-9 lateral flow test point-of-care test for periodontitis. <b>2020</b> , 47, 1354-1361	5
92	Squaramides as Bioisosteres in Contemporary Drug Design. <b>2020</b> , 120, 11616-11650	7
91	Evaluation of Salivary Matrix Metalloproteinase (MMP-8) in Periodontal Patients Undergoing Non-Surgical Periodontal Therapy and Mouthwash Based on Ozonated Olive Oil: A Randomized Clinical Trial. <b>2020</b> , 17,	12
90	Adipose-derived mesenchymal stem cells ameliorate lung epithelial injury through mitigating of oxidative stress in mustard lung. <b>2020</b> ,	4
89	Apicoectomy of Perforated Root Canal Using Bioceramic Cement and Photodynamic Therapy. <b>2020</b> , 2020, 6677588	3
88	Levels of Selected Matrix Metalloproteinases-MMP-1, MMP-2 and Fibronectin in the Saliva of Patients Planned for Endodontic Treatment or Surgical Extraction. <b>2020</b> , 9,	1
87	Correlation of molecular biomarker concentrations between synovial fluid and saliva of the patients with temporomandibular disorders. <b>2020</b> , 24, 4455-4461	4
86	Biomarker for Asymptomatic Apical Periodontitis in Gingival Crevicular Fluid: aMMP-8. <i>European Journal of Dentistry</i> , <b>2020</b> , 14, 239-244	2.6 1

85	Detection of association between periodontitis and polymorphisms of IL-1β 3954 and TNF-β863 in the Korean population after controlling for confounding risk factors. <b>2020</b> , 55, 905-917	4
84	Emerging Applications of Drug Delivery Systems in Oral Infectious Diseases Prevention and Treatment. <b>2020</b> , 25,	34
83	Low association between bleeding on probing propensity and the salivary aMMP-8 levels in adolescents with gingivitis and stage I periodontitis. <b>2021</b> , 56, 289-297	2
82	Candida albicans and candidalysin in inflammatory disorders and cancer. <b>2021</b> , 162, 11-16	9
81	Proanthocyanidins and Flavan-3-ols in the Prevention and Treatment of Periodontitis-Immunomodulatory Effects, Animal and Clinical Studies. <b>2021</b> , 13,	4
80	The utility of gingival crevicular fluid matrix metalloproteinase-8 provides site-specific diagnostic value for periodontal grading. <b>2021</b> , 46, 236-243	0
79	The Potential of Raman Spectroscopy in the Diagnosis of Dysplastic and Malignant Oral Lesions. <b>2021</b> , 13,	3
78	Long-term exposure to butyric acid induces excessive production of matrix metalloproteases in human gingival fibroblasts. <b>2021</b> , 123, 105035	2
77	Effect of Doxycycline Microencapsulation on Buccal Films: Stability, Mucoadhesion and In Vitro Drug Release. <b>2021</b> , 7,	2
76	Detection of the hybrid layer biodegradation initiation factor with a scanning electron microscope. <b>2021</b> , 84, 2166-2175	
75	Intrapocket application of tea tree oil gel in the treatment of stage 2 periodontitis. <b>2021</b> , 21, 239	4
74	Comparing periodontitis biomarkers in saliva, oral rinse and gingival crevicular fluid: A pilot study. <b>2021</b> , 48, 1250-1259	3
73	Influence of bisphosphonates on oral implantology: Sodium alendronate and zoledronic acid enhance the synthesis and activity of matrix metalloproteinases by gingival fibroblasts seeded on titanium. <b>2021</b> , 127, 105134	1
72	Origin of MMP-8 and Lactoferrin levels from gingival crevicular fluid, salivary glands and whole saliva. <b>2021</b> , 21, 385	1
71	Mechanisms of Lung Cyst Formation. <b>2021</b> , 21-42	
70	Using Salivary MMP-9 to Successfully Quantify Periodontal Inflammation during Orthodontic Treatment. <b>2021</b> , 10,	5
69	Active Matrix Metalloproteinase-8: Contributor to Periodontitis and a Missing Link Between Genetics, Dentistry, and Medicine. <b>2018</b> , 51-57	3
68	Potential Role of Reversion-Inducing Cysteine-Rich Protein with Kazal Motifs (RECK) in Regulation of Matrix Metalloproteinases (MMPs) Expression in Periodontal Diseases. <b>2016</b> , 22, 1936-8	5

67	Association between MMP-1 g.-1607dupG polymorphism and periodontitis susceptibility: a meta-analysis. <b>2013</b> , 8, e59513		14
66	Lipopolysaccharide induces pro-inflammatory cytokines and MMP production via TLR4 in nasal polyp-derived fibroblast and organ culture. <b>2014</b> , 9, e90683		34
65	Expression of matrix metalloproteinase 9 in patients with oral lichen planus. <b>2012</b> , 55, 23-6		12
64	Molecular docking study of flavonoid compounds for possible matrix metalloproteinase-13 inhibition.. <b>2020</b> , 32, 1105-1119		4
63	Clinical Study of Sodium Hypochlorite, Polymyxin B And Limewater Effect on MMP-3,-8,-9 In Apical Periodontitis. <b>2020</b> , 31, 116-121		8
62	Proteolytic Activities of Oral Bacteria on ProMMP-9 and the Effect of Synthetic Proteinase Inhibitors. <i>Open Dentistry Journal</i> , <b>2008</b> , 2, 96-102	0.8	14
61	Matrix metalloproteinases (MMP-1, -8, -13) in chronic periapical lesions. <b>2008</b> , 65, 882-6		12
60	Evaluation of ALK5 and MMP13 Expression in the Cartilage Tissue of Rats with Osteoarthritis Rats and Effects of Exercise Training, Ozone and Mesenchymal Stem Cell Therapies on Expression of these Genes. <b>2020</b> , 14, 50-56		1
59	Evaluation of Long-Term Usage of Low Dose Doxycycline after Periodontal Surgery in Patients with Chronic Periodontitis. <b>2006</b> , 2, 467-470		1
58	Estimation of matrix metalloproteinase-3 levels in gingival crevicular fluid in periodontal disease, health and after scaling and root planing. <b>2012</b> , 16, 549-52		7
57	Periodontitis and Systemic Disorders. <b>2014</b> , 73, 211-218		1
56	Matrix metalloproteinase gene polymorphisms and oral cancer. <b>2012</b> , 4, e297-301		15
55	Another reason for impeccable oral hygiene: oral hygiene-sperm count link. <b>2014</b> , 15, 352-8		14
54	Serum and Saliva MMP-3 in Patients with OLP and Oral SCC. <b>2015</b> , 16, 107-11		9
53	Antibiotics for Periodontal Infections: Biological and Clinical Perspectives. <b>2020</b> , 21, 372-376		3
52	Host-derived biomarkers in gingival crevicular fluid for complementary diagnosis of apical periodontitis. <b>2014</b> , 3, 19		5
51	?????????uPA,uPAR,MMPs(MMP-2,MMP-3,MMP-9)?????????????. <b>2009</b> , 15, 9-14		1
50	The Systemic Use of Antibiotics in Periodontal Therapy. <b>2011</b> , 79-169		

49	Contemporary Concepts in the Diagnosis of Periodontal Disease. <b>2012</b> , 315-421		
48	Use of Salivary Biomarkers for Diagnosis of Periodontal Disease Activity: A Literature Review. <b>2013</b> , 4, 250-255		2
47	Current aspects of the role of glycosaminoglycans of the extracellular matrix in the development of generalized periodontitis and the course of repair processes. <b>2017</b> , 50, 34-47		
46	Evaluation of collagenase-3 matrix metalloproteinase-13 gene-associated polymorphisms 11A/12A and -77A/G and its associated alleles with and without periodontitis. <b>2018</b> , 22, 474-479		1
45	Immunohistochemical Markers in Benign Odontogenic Tumors. <b>2018</b> , 8, 101-105		
44	Influence of periodontal condition on levels of human beta defensins 1 and 2 in saliva. <i>Journal of Microbiology &amp; Experimentation</i> , <b>2018</b> , 6,	0.2	
43	The role of matrix metalloproteinases and polymorphisms of their genes in the development of coronary heart disease. <i>Fiziolohichnyi Zhurnal (Kiev, Ukraine: 1994)</i> , <b>2018</b> , 64, 79-90	0.1	
42	Evaluation of indomethacin as matrix metalloproteases inhibitor in human dentin. <i>Journal of Conservative Dentistry</i> , <b>2019</b> , 22, 598-601	0.9	2
41	Proteomic Analysis of Anti-Cancer Effects of Streblus Asper Extract on HeLa Cancer Cells. <i>Biomedical and Pharmacology Journal</i> , <b>2019</b> , 12, 1263-1277	0.9	1
40	LABORATORY-CLINICAL SUBSTANTIATION OF ATRAVMATICITY OF USING INDIVIDUAL HEALING ABUTMENT OF THE AUTHOR'S DESIGN. <i>The Actual Problems in Dentistry</i> , <b>2019</b> , 15, 96-102	0.8	2
39	Expression Levels of A Disintegrin-like Metalloproteinase with Thrombospondin Motifs-4 and -5 (ADAMTS-4 and ADAMTS-5) in Inflamed and Healthy Gingival Tissues. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2020</b> , 23, 168-176	1.3	1
38	Clinical and Biochemical Evaluation of the Effect of Diode Laser Treatment Compared to the Non-surgical and Surgical Treatment of Periodontal Diseases. <i>Open Dentistry Journal</i> , <b>2020</b> , 14, 281-288	0.8	0
37	Role of the Character of Expression of Matrix Metalloproteinase 9 in the Pathogenesis and Diagnostics of the Periodontal Pathology. <i>Ukrainskij Zhurnal Medicini Biologii Ta Sportu</i> , <b>2020</b> , 5, 112-120	0.1	
36	The role of oral fluid biological markers in the clinical course of lichen planus. <i>Parodontologiya</i> , <b>2021</b> , 26, 203-209	0.5	
35	Double advantages of Benzimidazolyl-hydroxy-coumarinyl diad - Burn-onensing of Al3+ and preventing metastasis in cancer. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1250, 131870	3.4	0
34	Comparative analysis of polymorphic variants of IL-17A and MMP-1 genes with the risk of developing chronic periodontitis in petrochemical workers. <i>Medsina Truda I Promyshlennaia Ekologija</i> , <b>2020</b> , 60, 687-693	0.3	
33	Influence of chlorhexidine concentration on the durability of etch-and-rinse dentin bonds: a 12-month in vitro study. <i>Journal of Adhesive Dentistry</i> , <b>2009</b> , 11, 191-8	3	84
32	Assessment of Matrix Metalloproteinases-8 and -9 in Gingival Crevicular Fluid of Smokers and Non-smokers with Chronic Periodontitis Using ELISA. <i>Journal of International Oral Health</i> , <b>2014</b> , 6, 67-71	0.4	11

31	Serum and saliva collagenase-3 (MMP-13) in patients with oral lichen planus and oral squamous cell carcinoma. <i>Medical Journal of the Islamic Republic of Iran</i> , <b>2015</b> , 29, 218	1.1	7
30	Immunohistochemical Expression of Stromelysin-2 (St-2) In Patients with Oral Lichen Planus and Its Clinical Significance. <i>Journal of Dentistry</i> , <b>2016</b> , 17, 250-255	0.5	1
29	[Progress on matrix metalloproteinase inhibitors]. <i>Hua Xi Kou Qiang Yi Xue Za Zhi = Huaxi Kouqiang Yixue Zazhi = West China Journal of Stomatology</i> , <b>2017</b> , 35, 208-214		
28	Relationship between matrix metalloproteinase-9 and some clinicopathological prognostic factors of breast carcinoma. <i>American Journal of Clinical and Experimental Immunology</i> , <b>2021</b> , 10, 17-22	1.2	1
27	Mineralized Peyronie's plaque has a phenotypic resemblance to bone. <i>Acta Biomaterialia</i> , <b>2021</b> , 140, 457-457	10.8	0
26	Shear bond strength of the adhesive/dentin interface after different etching protocols.. <i>Journal of Conservative Dentistry</i> , <b>2021</b> , 24, 393-398	0.9	1
25	Oral-Gut-Brain Axis in Experimental Models of Periodontitis: Associating Gut Dysbiosis With Neurodegenerative Diseases. <i>Frontiers in Aging</i> , <b>2021</b> , 2,	2.5	4
24	Is There a Link between COVID-19 and Periodontal Disease? A Narrative Review.. <i>European Journal of Dentistry</i> , <b>2022</b> ,	2.6	3
23	Gene coexpression analysis reveals dose-dependent and type-specific networks responding to ionizing radiation in the aquatic model plant using public data. <i>Journal of Genetics</i> , <b>2019</b> , 98,	1.2	1
22	Evaluation of as matrix metalloproteinase inhibitor in human dentin with and without dentin-bonding agent: An study.. <i>Journal of Conservative Dentistry</i> , <b>2021</b> , 24, 491-495	0.9	
21	Characteristics of Human Oral Microbiome and Its Non-invasive Diagnostic Value in Chronic Kidney Disease.. <i>Bioscience Reports</i> , <b>2022</b> ,	4.1	0
20	Repeated Home-Applied Dual-Light Antibacterial Photodynamic Therapy Can Reduce Plaque Burden, Inflammation, and aMMP-8 in Peri-Implant Disease: A Pilot Study. <i>Current Issues in Molecular Biology</i> , <b>2022</b> , 44, 1273-1283	2.9	1
19	Salivary Enzymatic Activity and Carious Experience in Children: A Cross-Sectional Study.. <i>Children</i> , <b>2022</b> , 9,	2.8	1
18	Quantitative proteomics in medication-related osteonecrosis of the jaw: a proof-of-concept study.. <i>Oral Diseases</i> , <b>2022</b> ,	3.5	0
17	Analysis of senescence in gingival tissues and gingival fibroblast cultures.. <i>Clinical and Experimental Dental Research</i> , <b>2022</b> ,	1.9	
16	aMMP-8 Oral Fluid PoC Test in Relation to Oral and Systemic Diseases. <i>Frontiers in Oral Health</i> , 3,	0.8	2
15	Mechanical Compression by Simulating Orthodontic Tooth Movement in an In Vitro Model Modulates Phosphorylation of AKT and MAPKs via TLR4 in Human Periodontal Ligament Cells. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 8062	6.3	1
14	Oral active matrix metalloproteinase-8 immunotest may be less accurate in haemato-oncologic patients.		

13	The Effects of Nutrient Signaling Regulators in Combination with Phytocannabinoids on the Senescence-Associated Phenotype in Human Dermal Fibroblasts. <b>2022</b> , 23, 8804	0
12	The Preventive Effect of a Magnetic Nanoparticle-Modified Root Canal Sealer on Persistent Apical Periodontitis. <b>2022</b> , 23, 13137	1
11	Determination of the Accuracy of Salivary Biomarkers for Periodontal Diagnosis. <b>2022</b> , 12, 2485	2
10	Streptococcus mutans Proteases Degrade Dentinal Collagen. <b>2022</b> , 10, 223	0
9	Expression of collagenases (matrix metalloproteinase-1, -8, -13) and tissue inhibitor of metalloproteinase-3 (TIMP-3) in naturally occurring bovine cutaneous fibropapillomas. 9,	0
8	Magnolia kobus Extract Inhibits Periodontitis-Inducing Mediators in Porphyromonas gingivalis Lipopolysaccharide-Activated RAW 264.7 Cells. <b>2023</b> , 45, 538-554	0
7	Local and Systemic Effects of Porphyromonas gingivalis Infection. <b>2023</b> , 11, 470	1
6	Efficacy of a Novel Pleiotropic MMP-Inhibitor, CMC2.24, in a Long-Term Diabetes Rat Model with Severe Hyperglycemia-Induced Oral Bone Loss. Volume 16, 779-792	0
5	A Comparative Analysis of Treatment-Related Changes in the Diagnostic Biomarker Active Metalloproteinase-8 Levels in Patients with Periodontitis. <b>2023</b> , 13, 903	0
4	The Emerging Role of MMP12 in the Oral Environment. <b>2023</b> , 24, 4648	0
3	Evaluation of crestal bone loss and MMP-8 levels around platform matched and switched implants □ A quasi control study. <b>2023</b> ,	0
2	The relationship between matrix metalloproteinases-8 and peri-implantitis: A systematic review and meta-analysis. <b>2023</b> ,	0
1	Naringenin and proanthocyanidins pre-treatment decreases synthesis and activity of gelatinases induced by zoledronic acid in a dental implant surface in vitro model. <b>2023</b> , 105703	0