Nagihan Bostanci

List of Publications by Year
in descending order

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Version: 2024-02-01

137 papers	5,544 citations	87723 38 h-index	98622 67 g-index
138 all docs	138 docs citations	138 times ranked	5256 citing authors

#	Article	IF	Citations
1	Treatment of stage Iâ€“III periodontitisâ€”The EFP S3 level clinical practice guideline. Journal of Clinical Periodontology, 2020, 47, 4-60.	2.3	621
2	Porphyromonas gingivalis: an invasive and evasive opportunistic oral pathogen. FEMS Microbiology Letters, 2012, 333, 1-9.	0.7	429
3	The RANKLâ€OPG system in clinical periodontology. Journal of Clinical Periodontology, 2012, 39, 239-248.	2.3	267
4	Gingival crevicular fluid levels of RANKL and OPG in periodontal diseases: implications of their relative ratio. Journal of Clinical Periodontology, 2007, 34, 370-376.	2.3	219
5	Expression and regulation of the NALP3 inflammasome complex in periodontal diseases. Clinical and Experimental Immunology, 2009, 157, 415-422.	1.1	138
6	Application of Label-Free Absolute Quantitative Proteomics in Human Gingival Crevicular Fluid by LC/MS^E (Gingival Exudatome). Journal of Proteome Research, 2010, 9, 2191-2199.	1.8	116
7	Identification of a Second Lipopolysaccharide inPorphyromonas gingivalisW50. Journal of Bacteriology, 2008, 190, 2920-2932.	1.0	106
8	Regulation of RANKL and OPG gene expression in human gingival fibroblasts and periodontal ligament cells by Porphyromonas gingivalis: A putative role of the Arg-gingipains. Microbial Pathogenesis, 2007, 43, 46-53.	1.3	92
9	Peri-Implant Infections of Oral Biofilm Etiology. Advances in Experimental Medicine and Biology, 2015, 830, 69-84.	0.8	91
10	Sequencing of 16S rRNA reveals a distinct salivary microbiome signature in BehÃ§et's disease. Clinical Immunology, 2016, 169, 28-35.	1.4	88
11	Regulation of NLRP3 and AIM2 inflammasome gene expression levels in gingival fibroblasts by oral biofilms. Cellular Immunology, 2011, 270, 88-93.	1.4	86
12	Down-regulation of NLRP3 inflammasome in gingival fibroblasts by subgingival biofilms: Involvement of Porphyromonas gingivalis. Innate Immunity, 2013, 19, 3-9.	1.1	82
13	The adjunctive use of host modulators in nonâ€surgical periodontal therapy. A systematic review of randomized, placeboâ€controlled clinical studies. Journal of Clinical Periodontology, 2020, 47, 199-238.	2.3	82
14	Applications of the oral microbiome in personalized dentistry. Archives of Oral Biology, 2019, 104, 7-12.	0.8	77
15	Differential expression of receptor activator of nuclear factor-?B ligand and osteoprotegerin mRNA in periodontal diseases. Journal of Periodontal Research, 2007, 42, 287-293.	1.4	76
16	Role of Porphyromonas gingivalis gingipains in multi-species biofilm formation. BMC Microbiology, 2014, 14, 258.	1.3	76
17	Validation of a quantitative realâ€time PCR assay and comparison with fluorescence microscopy and selective agar plate counting for speciesâ€specific quantification of an in vitro subgingival biofilm model. Journal of Periodontal Research, 2013, 48, 517-526.	1.4	74
18	Targeted Proteomics Guided by Label-free Quantitative Proteome Analysis in Saliva Reveal Transition Signatures from Health to Periodontal Disease. Molecular and Cellular Proteomics, 2018, 17, 1392-1409.	2.5	74

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19	Future dentistry: cell therapy meets tooth and periodontal repair and regeneration. Journal of Cellular and Molecular Medicine, 2011, 15, 1054-1065.	1.6	70
20	Elevated Oral and Systemic Levels of Soluble Triggering Receptor Expressed on Myeloid Cells-1 (sTREM-1) in Periodontitis. Journal of Dental Research, 2013, 92, 161-165.	2.5	63
21	Prognostic factors in the treatment of generalized aggressive periodontitis: I. Clinical features and initial outcome. Journal of Clinical Periodontology, 2006, 33, 663-670.	2.3	60
22	Colonisation of gingival epithelia by subgingival biofilms in vitro: Role of â€œred complexâ€•bacteria. Archives of Oral Biology, 2014, 59, 977-986.	0.8	60
23	Gingival crevicular fluid and its immune mediators in the proteomic era. Periodontology 2000, 2018, 76, 68-84.	6.3	58
24	Porphyromonas gingivalis antagonises Campylobacter rectus induced cytokine production by human monocytes. Cytokine, 2007, 39, 147-156.	1.4	57
25	Label-Free Quantitative Proteomics Reveals Differentially Regulated Proteins in Experimental Gingivitis. Journal of Proteome Research, 2013, 12, 657-678.	1.8	56
26	Virulence and Pathogenicity Properties of Aggregatibacter actinomycetemcomitans. Pathogens, 2019, 8, 222.	1.2	55
27	Porphyromonas gingivalis Regulates TREM-1 in Human Polymorphonuclear Neutrophils via Its Gingipains. PLoS ONE, 2013, 8, e75784.	1.1	52
28	Tumor Necrosis Factor-Î±-converting Enzyme (TACE) Levels in Periodontal Diseases. Journal of Dental Research, 2008, 87, 273-277.	2.5	51
29	Association between Polycystic Ovary Syndrome, Oral Microbiota and Systemic Antibody Responses. PLoS ONE, 2014, 9, e108074.	1.1	51
30	Porphyromonas gingivalis culture supernatants differentially regulate Interleukin-1Î² and Interleukin-18 in human monocytic cells. Cytokine, 2009, 45, 99-104.	1.4	48
31	Interleukin-8 Responses of Multi-Layer Gingival Epithelia to Subgingival Biofilms: Role of the â€œRed Complexâ€•Species. PLoS ONE, 2013, 8, e81581.	1.1	45
32	Soluble Triggering Receptor Expressed on Myeloid Cells 1 (sTREM-1) in Gingival Crevicular Fluid: Association With Clinical and Microbiologic Parameters. Journal of Periodontology, 2014, 85, 204-210.	1.7	45
33	Interleukin-1? stimulation in monocytes by periodontal bacteria: antagonistic effects of Porphyromonas gingivalis. Oral Microbiology and Immunology, 2007, 22, 52-60.	2.8	43
34	Involvement of the TREM-1/DAP12 pathway in the innate immune responses to Porphyromonas gingivalis. Molecular Immunology, 2011, 49, 387-394.	1.0	43
35	Influence of the Mechanical Environment on the Engineering of Mineralised Tissues Using Human Dental Pulp Stem Cells and Silk Fibroin Scaffolds. PLoS ONE, 2014, 9, e111010.	1.1	43
36	Effect of periodontal treatment on receptor activator of NF-ÎºB ligand and osteoprotegerin levels and relative ratio in gingival crevicular fluid. Journal of Clinical Periodontology, 2011, 38, 428-433.	2.3	42

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37	Secretome of gingival epithelium in response to subgingival biofilms. Molecular Oral Microbiology, 2015, 30, 323-335.	1.3	42
38	Contribution of proteomics to our understanding of periodontal inflammation. Proteomics, 2017, 17, 1500518.	1.3	41
39	Prognostic factors in the treatment of generalized aggressive periodontitis: II. Effects of smoking on initial outcome. Journal of Clinical Periodontology, 2006, 33, 671-676.	2.3	40
40	Establishment of an oral infection model resembling the periodontal pocket in a perfusion bioreactor system. Virulence, 2015, 6, 265-273.	1.8	40
41	Oral biofilm challenge regulates the RANKL-OPG system in periodontal ligament and dental pulp cells. Microbial Pathogenesis, 2011, 50, 6-11.	1.3	39
42	Microbial dynamics during conversion from supragingival to subgingival biofilms in an inÂvitro model. Molecular Oral Microbiology, 2016, 31, 125-135.	1.3	38
43	Quantitative Proteomics Reveal Distinct Protein Regulations Caused by Aggregatibacter actinomycetemcomitans within Subgingival Biofilms. PLoS ONE, 2015, 10, e0119222.	1.1	37
44	Doxycycline inhibits TREM-1 induction by Porphyromonas gingivalis. FEMS Immunology and Medical Microbiology, 2012, 66, 37-44.	2.7	36
45	Oxidative stress markers in saliva and periodontal disease status: modulation during pregnancy and postpartum. BMC Infectious Diseases, 2015, 15, 261.	1.3	36
46	Association of the salivary triggering receptor expressed on myeloid cells/its ligand peptidoglycan recognition protein 1 axis with oral inflammation in kidney disease. Journal of Periodontology, 2018, 89, 117-129.	1.7	35
47	<scp>S</scp>ynergistetes cluster <scp>A</scp> in saliva is associated with periodontitis. Journal of Periodontal Research, 2013, 48, 727-732.	1.4	34
48	Porphyromonas gingivalis regulates the RANKL-OPG system in bone marrow stromal cells. Microbes and Infection, 2008, 10, 1459-1468.	1.0	32
49	The expression of gingival epithelial junctions in response to subgingival biofilms. Virulence, 2015, 6, 704-709.	1.8	32
50	Salivary and Serum Markers Related to Innate Immunity in Generalized Aggressive Periodontitis. Journal of Periodontology, 2017, 88, 1339-1347.	1.7	31
51	Periapical fluid RANKL and IL-8 are differentially regulated in pulpitis and apical periodontitis. Cytokine, 2014, 69, 116-119.	1.4	30
52	Proteomic profiling of host-biofilm interactions in an oral infection model resembling the periodontal pocket. Scientific Reports, 2015, 5, 15999.	1.6	30
53	Regulation of proteaseâ€activated receptorâ€2 expression in gingival fibroblasts and Jurkat T cells by Porphyromonas gingivalis. Cell Biology International, 2010, 34, 287-292.	1.4	29
54	The RANKLâ€“OPG system is differentially regulated by supragingival and subgingival biofilm supernatants. Cytokine, 2011, 55, 98-103.	1.4	29

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55	Effects of low-dose doxycycline on cytokine secretion in human monocytes stimulated with Aggregatibacter actinomycetemcomitans. Cytokine, 2011, 56, 656-661.	1.4	29
56	The effect of piezoelectric surgery implant osteotomy on radiological and molecular parameters of periâ€implant crestal bone loss: a randomized, controlled, splitâ€mouth trial. Clinical Oral Implants Research, 2016, 27, 535-544.	1.9	29
57	Proteomic shifts in multi-species oral biofilms caused by Anaeroglobus geminatus. Scientific Reports, 2017, 7, 4409.	1.6	29
58	Periodontal disease: From the lenses of light microscopy to the specs of proteomics and next-generation sequencing. Advances in Clinical Chemistry, 2019, 93, 263-290.	1.8	29
59	Validation and verification of predictive salivary biomarkers for oral health. Scientific Reports, 2021, 11, 6406.	1.6	29
60	Expression and regulation of triggering receptor expressed on myeloid cells 1 in periodontal diseases. Clinical and Experimental Immunology, 2014, 178, 190-200.	1.1	28
61	Elevated matrix metalloproteinase-8 in saliva and serum in polycystic ovary syndrome and association with gingival inflammation. Innate Immunity, 2015, 21, 619-625.	1.1	27
62	C3-targeted therapy in periodontal disease: moving closer to the clinic. Trends in Immunology, 2021, 42, 856-864.	2.9	27
63	Human papillomavirus 5 and 8 E6 downregulate interleukin-8 secretion in primary human keratinocytes. Journal of General Virology, 2010, 91, 888-892.	1.3	26
64	Metaproteome and metabolome of oral microbial communities. Periodontology 2000, 2021, 85, 46-81.	6.3	26
65	Metagenomic sequencing provides new insights into the subgingival bacteriome and aetiopathology of periodontitis. Journal of Periodontal Research, 2021, 56, 205-218.	1.4	26
66	Establishment and Characterization of Immortalized Gingival Epithelial and Fibroblastic Cell Lines for the Development of Organotypic Cultures. Cells Tissues Organs, 2014, 199, 228-237.	1.3	25
67	The epigenetic architecture at gene promoters determines cell type-specific LPS tolerance. Journal of Autoimmunity, 2017, 83, 122-133.	3.0	25
68	Porphyromonas gingivalis Induces RANKL in T-cells. Inflammation, 2011, 34, 133-138.	1.7	24
69	Gingival Exudatome Dynamics Implicate Inhibition of the Alternative Complement Pathway in the Protective Action of the C3 Inhibitor Cp40 in Nonhuman Primate Periodontitis. Journal of Proteome Research, 2018, 17, 3153-3175.	1.8	24
70	Dysbiosis of the Human Oral Microbiome During the Menstrual Cycle and Vulnerability to the External Exposures of Smoking and Dietary Sugar. Frontiers in Cellular and Infection Microbiology, 2021, 11, 625229.	1.8	24
71	Active matrix metalloproteinase-8 (aMMP-8) point-of-care test (POCT) in the COVID-19 pandemic. Expert Review of Proteomics, 2021, 18, 707-717.	1.3	24
72	Porphyromonas gingivalis stimulates TACE production by T cells. Oral Microbiology and Immunology, 2009, 24, 146-151.	2.8	23

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73	Transcriptional profiling of human gingival fibroblasts in response to multiâ€species in vitro subgingival biofilms. Molecular Oral Microbiology, 2014, 29, 174-183.	1.3	23
74	TREM-1 Is Upregulated in Experimental Periodontitis, and Its Blockade Inhibits IL-17A and RANKL Expression and Suppresses Bone loss. Journal of Clinical Medicine, 2019, 8, 1579.	1.0	23
75	Salivary Microbiome Shifts in Response to Periodontal Treatment Outcome. Proteomics - Clinical Applications, 2020, 14, e2000011.	0.8	23
76	Active matrix metalloproteinase-8 and interleukin-6 detect periodontal degeneration caused by radiotherapy of head and neck cancer: a pilot study. Expert Review of Proteomics, 2020, 17, 777-784.	1.3	23
77	Gingival Inflammation and Salivary or Serum Granulocyte-Secreted Enzymes in Patients With Polycystic Ovary Syndrome. Journal of Periodontology, 2017, 88, 1145-1152.	1.7	21
78	Regulation of PGLYRP1 and TREM-1 during Progression and Resolution of Gingival Inflammation. JDR Clinical and Translational Research, 2019, 4, 352-359.	1.1	21
79	Relationship between IL-1A polymorphisms and gingival overgrowth in renal transplant recipients receiving Cyclosporin A. Journal of Clinical Periodontology, 2006, 33, 771-778.	2.3	20
80	Microbial Analysis of Saliva to Identify Oral Diseases Using a Point-of-Care Compatible qPCR Assay. Journal of Clinical Medicine, 2020, 9, 2945.	1.0	20
81	The novel speciesStreptococcus tigurinusand its association with oral infection. Virulence, 2015, 6, 177-182.	1.8	19
82	Aggregatibacter actinomycetemcomitans H-NS promotes biofilm formation and alters protein dynamics of other species within a polymicrobial oral biofilm. Npj Biofilms and Microbiomes, 2018, 4, 12.	2.9	19
83	Salivary Total Protease Activity Based on a Broad-Spectrum Fluorescence Resonance Energy Transfer Approach to Monitor Induction and Resolution of Gingival Inflammation. Molecular Diagnosis and Therapy, 2019, 23, 667-676.	1.6	19
84	Salivary Biomarkers for Dental Caries Detection and Personalized Monitoring. Journal of Personalized Medicine, 2021, 11, 235.	1.1	19
85	Automated Pre-Analytic Processing of Whole Saliva Using Magnet-Beating for Point-of-Care Protein Biomarker Analysis. Micromachines, 2019, 10, 833.	1.4	18
86	Novel and known periodontal pathogens residing in gingival crevicular fluid are associated with rheumatoid arthritis. Journal of Periodontology, 2021, 92, 359-370.	1.7	18
87	Frequent detection of Streptococcus tigurinus in the human oral microbial flora by a specific 16S rRNA gene real-time TaqMan PCR. BMC Microbiology, 2014, 14, 231.	1.3	17
88	Proteome and Microbiome Mapping of Human Gingival Tissue in Health and Disease. Frontiers in Cellular and Infection Microbiology, 2020, 10, 588155.	1.8	16
89	aMMP-8 Oral Fluid PoC Test in Relation to Oral and Systemic Diseases. Frontiers in Oral Health, 0, 3, .	1.2	16
90	Chair/bedside diagnosis of oral and respiratory tract infections, and identification of antibiotic resistances for personalised monitoring and treatment. Studies in Health Technology and Informatics, 2016, 224, 61-6.	0.2	15

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91	Expression of embryonic stem cell markers and osteogenic differentiation potential in cells derived from periodontal granulation tissue. Cell Biology International, 2014, 38, 179-186.	1.4	14
92	Inflammatory and Bone Remodeling Responses to the Cytolethal Distending Toxins. Cells, 2014, 3, 236-246.	1.8	14
93	Impact of aging on TREM-1 responses in the periodontium: a cross-sectional study in an elderly population. BMC Infectious Diseases, 2016, 16, 429.	1.3	14
94	Labelâ€Free Quantitative Proteomics versus Antibodyâ€Based Assays to Measure Neutrophilâ€Derived Enzymes in Saliva. Proteomics - Clinical Applications, 2020, 14, e1900050.	0.8	14
95	One-step, wash-free, bead-based immunoassay employing bound-free phase detection. Analytica Chimica Acta, 2021, 1153, 338280.	2.6	14
96	Immune response profiling of primary monocytes and oral keratinocytes to different Tannerella forsythia strains and their cell surface mutants. Molecular Oral Microbiology, 2018, 33, 155-167.	1.3	13
97	Annexinâ€1 as a salivary biomarker for gingivitis during pregnancy. Journal of Periodontology, 2018, 89, 875-882.	1.7	13
98	A pointâ€ofâ€care test of active matrix metalloproteinaseâ€8 predicts triggering receptor expressed on myeloid cellsâ€1 (TREMâ€1) levels in saliva. Journal of Periodontology, 2020, 91, 102-109.	1.7	13
99	Salivary proteotypes of gingivitis tolerance and resilience. Journal of Clinical Periodontology, 2020, 47, 1304-1316.	2.3	13
100	Associations between serum antibodies to periodontal pathogens and preclinical phases of rheumatoid arthritis. Rheumatology, 2021, 60, 4755-4764.	0.9	13
101	OralDisk: A Chair-Side Compatible Molecular Platform Using Whole Saliva for Monitoring Oral Health at the Dental Practice. Biosensors, 2021, 11, 423.	2.3	13
102	Comparison of vehicles to collect dentinal fluid for molecular analysis. Journal of Dentistry, 2014, 42, 1027-1032.	1.7	12
103	Alarm antiâ€protease trappinâ€2 negatively correlates with proinflammatory cytokines in patients with periodontitis. Journal of Periodontology, 2018, 89, 58-66.	1.7	12
104	Pressure Cycling Technology Assisted Mass Spectrometric Quantification of Gingival Tissue Reveals Proteome Dynamics during the Initiation and Progression of Inflammatory Periodontal Disease. Proteomics, 2020, 20, e1900253.	1.3	12
105	Elevated serum TREM-1 is associated with periodontitis and disease activity in rheumatoid arthritis. Scientific Reports, 2021, 11, 2888.	1.6	12
106	The actinâ€bundling protein Lâ€plastin: a novel local inflammatory marker associated with periodontitis. Journal of Periodontal Research, 2015, 50, 337-346.	1.4	11
107	Cytokine, chemokine, and growth factor levels in periâ€implant sulcus during wound healing and osseointegration after piezosurgical versus conventional implant site preparation: Randomized, controlled, splitâ€mouth trial. Journal of Periodontology, 2019, 90, 616-626.	1.7	11
108	Cytokine profiles and the dynamic of gingivitis development in humans. Journal of Clinical Periodontology, 2022, 49, 67-75.	2.3	11

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109	Effect of Chewing on the Expression of Salivary Protein Composition: A Systematic Review. Proteomics - Clinical Applications, 2020, 14, e1900039.	0.8	10
110	Salivary biomarkers in the context of gingival inflammation in children with cystic fibrosis. Journal of Periodontology, 2020, 91, 1339-1347.	1.7	10
111	Gene expression of transcription factor NFATc1 in periodontal diseases. Apmis, 2011, 119, 167-172.	0.9	9
112	The modulation of the TREM-1/PGLYRP1/MMP-8 axis in peri-implant diseases. Clinical Oral Investigations, 2020, 24, 1837-1844.	1.4	9
113	The relationship between oral diseases and infectious complications in patients under dialysis. Oral Diseases, 2020, 26, 1045-1052.	1.5	8
114	Oral health and emotional well-being in premenopausal and postmenopausal women: a cross-sectional cohort study. BMC Women's Health, 2021, 21, 338.	0.8	8
115	Regulation of Salivary Peptidoglycan Recognition Protein 1 in Adolescents. JDR Clinical and Translational Research, 2020, 5, 332-341.	1.1	7
116	Dysbiosis of the Oral Ecosystem in Severe Congenital Neutropenia Patients. Proteomics - Clinical Applications, 2020, 14, e1900058.	0.8	7
117	Porphyromonas gingivalis. Virulence, 2014, 5, 463-464.	1.8	6
118	Probiotic therapy for periodontal and peri-implant health â€“ silver bullet or sham?. Beneficial Microbes, 2021, 12, 215-230.	1.0	6
119	Impact of implantâ€“abutment connection on osteoimmunological and microbiological parameters in short implants: a randomized controlled clinical trial. Clinical Oral Implants Research, 2017, 28, e111-e120.	1.9	5
120	Effect of orthodontic force magnitude on cytokine networks in gingival crevicular fluid: a longitudinal randomized split-mouth study. European Journal of Orthodontics, 2019, 41, 214-222.	1.1	4
121	Salivary Fingerprinting of Periodontal Disease by Infraredâ€ATR Spectroscopy. Proteomics - Clinical Applications, 2020, 14, e1900092.	0.8	4
122	Salivary Biomarkers of Oral Inflammation Are Associated With Cardiovascular Events and Death Among Kidney Transplant Patients. Transplantation Proceedings, 2020, 52, 3231-3235.	0.3	4
123	Regulation of matrix metalloproteinases-8, -9 and endogenous tissue inhibitor-1 in oral biofluids during pregnancy and postpartum. Archives of Oral Biology, 2021, 124, 105065.	0.8	4
124	Lectinâ€functionalized Polyethylene Glycol for Relief of Mucosal Dryness. Advanced Healthcare Materials, 2021, , 2101719.	3.9	4
125	Association of peptidoglycan recognition protein 1 to postâ€myocardial infarction and periodontal inflammation: A subgroup report from the PAROKRANK (Periodontal Disease and the Relation to) Tj ETQq1 1 0.784314 rgBT /Overloc		
126	Implementing of aMMPâ€8 pointâ€ofâ€care test with a modified new disease classification in Finnish adolescent cohorts. Clinical and Experimental Dental Research, 2022, 8, 1142-1148.	0.8	4

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127	Revisiting â€œâ€omicsâ€•in Oral Health and Disease. Proteomics - Clinical Applications, 2020, 14, e1900022.	0.8	3
128	ImmunoDiskâ€”A Fully Automated Bead-Based Immunoassay Cartridge with All Reagents Pre-Stored. Biosensors, 2022, 12, 413.	2.3	3
129	Infections Associated with Implanted Dental Devices. , 2013, , 249-271.		1
130	Shotgun proteomic analysis of Anaeroglobus geminatus. Journal of Oral Microbiology, 2017, 9, 1325252.	1.2	1
131	Periodontal Pathogenesis: Definitions and Historical Perspectives. , 2018, , 1-7.		1
132	Severe Periodontitis and Biomarkers of Bacterial Burden. Results From a Case-Control and Intervention Clinical Trial. Frontiers in Oral Health, 2021, 2, 615579.	1.2	1
133	Complement C3 as a Target of Host Modulation in Periodontitis. , 2020, , 13-29.		1
134	Tribute. Molecular Oral Microbiology, 2016, 31, 205-206.	1.3	0
135	SAT0024â€…Epigenetic Analysis of Lps-Induced Tolerance in Rheumatoid Arthritis Synovial Fibroblasts and Macrophages. Annals of the Rheumatic Diseases, 2016, 75, 672.2-672.	0.5	0
136	Oral Biofilms and Their Implication in Oral Diseases. , 2017, , 69-80.		0
137	Periodontal Pathogenesis: Conclusions and Future Directions. , 2018, , 111-114.		0