Rolando Vernal

List of Publications by Year
in descending order

91 papers	3,158 citations	172457 29 h-index	175258 52 g-index
95 all docs	95 docs citations	95 times ranked	3448 citing authors

#	Article	IF	Citations
1	Host response mechanisms in periodontal diseases. Journal of Applied Oral Science, 2015, 23, 329-355.	1.8	314
2	Levels of interleukin-17 in gingival crevicular fluid and in supernatants of cellular cultures of gingival tissue from patients with chronic periodontitis. Journal of Clinical Periodontology, 2005, 32, 383-389.	4.9	196
3	Host-Pathogen Interactions in Progressive Chronic Periodontitis. Journal of Dental Research, 2011, 90, 1164-1170.	5.2	152
4	Overâ€expression of forkhead box P3 and its association with receptor activator of nuclear factorâ€Î B ligand, interleukin (IL) â€17, ILâ€10 and transforming growth factorâ€Î² during the progression of chronic periodontitis. Journal of Clinical Periodontology, 2009, 36, 396-403.	4.9	150
5	Characterization of progressive periodontal lesions in chronic periodontitis patients: levels of chemokines, cytokines, matrix metalloproteinase-13, periodontal pathogens and inflammatory cells. Journal of Clinical Periodontology, 2008, 35, 206-214.	4.9	115
6	Expression of proinflammatory cytokines in osteoarthritis of the temporomandibular joint. Archives of Oral Biology, 2008, 53, 910-915.	1.8	108
7	Matrix Metalloproteinase-13 Is Highly Expressed in Destructive Periodontal Disease Activity. Journal of Periodontology, 2006, 77, 1863-1870.	3.4	104
8	Levels of Interferonâ€Gamma and Transcription Factor Tâ€Bet in Progressive Periodontal Lesions in Patients With Chronic Periodontitis. Journal of Periodontology, 2009, 80, 290-296.	3.4	98
9	Isolation of polysome-bound mRNA from solid tissues amenable for RT-PCR and profiling experiments. Rna, 2007, 13, 414-421.	3.5	91
10	RANKL in human periapical granuloma: possible involvement in periapical bone destruction. Oral Diseases, 2006, 12, 283-289.	3.0	74
11	Levels of Cytokine Receptor Activator of Nuclear Factor ÎºB Ligand in Gingival Crevicular Fluid in Untreated Chronic Periodontitis Patients. Journal of Periodontology, 2004, 75, 1586-1591.	3.4	70
12	High Expression Levels of Receptor Activator of Nuclear Factor-Kappa B Ligand Associated With Human Chronic Periodontitis Are Mainly Secreted by CD4+T Lymphocytes. Journal of Periodontology, 2006, 77, 1772-1780.	3.4	63
13	Osteoimmunology of Oral and Maxillofacial Diseases: Translational Applications Based on Biological Mechanisms. Frontiers in Immunology, 2019, 10, 1664.	4.8	61
14	Interleukinâ€21 Expression and Its Association With Proinflammatory Cytokines in Untreated Chronic Periodontitis Patients. Journal of Periodontology, 2012, 83, 948-954.	3.4	57
15	Regulatory T Lymphocytes in Periodontitis: A Translational View. Mediators of Inflammation, 2018, 2018, 1-10.	3.0	57
16	Oxidative Stress in the Local and Systemic Events of Apical Periodontitis. Frontiers in Physiology, 2017, 8, 869.	2.8	55
17	Differential cytokine expression by human dendritic cells in response to different Porphyromonas gingivalis capsular serotypes. Journal of Clinical Periodontology, 2009, 36, 823-829.	4.9	54
18	Variability in the response of human dendritic cells stimulated with Porphyromonas gingivalis or Aggregatibacter actinomycetemcomitans. Journal of Periodontal Research, 2008, 43, 689-697.	2.7	44

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19	Variability of the Dendritic Cell Response Triggered by Different Serotypes of Aggregatibacter actinomycetemcomitans or Porphyromonas gingivalis Is Tollâ€Like Receptor 2 (TLR2) or TLR4 Dependent. Journal of Periodontology, 2015, 86, 108-119.	3.4	42
20	Th1/Th17/Th22 immune response and their association with joint pain, imagenological bone loss, RANKL expression and osteoclast activity in temporomandibular joint osteoarthritis: A preliminary report. Journal of Oral Rehabilitation, 2018, 45, 589-597.	3.0	41
21	Regulatory T cell phenotype and anti-osteoclastogenic function in experimental periodontitis. Scientific Reports, 2020, 10, 19018.	3.3	40
22	Interleukinâ€35 inhibits alveolar bone resorption by modulating the Th17/Treg imbalance during periodontitis. Journal of Clinical Periodontology, 2020, 47, 676-688.	4.9	39
23	Th17 and Treg Cells, Two New Lymphocyte Subpopulations with a Key Role in the Immune Response Against Infection. Infectious Disorders - Drug Targets, 2008, 8, 207-220.	0.8	39
24	Alzheimerâ€™s Disease-Like Pathology Triggered by Porphyromonas gingivalis in Wild Type Rats Is Serotype Dependent. Frontiers in Immunology, 2020, 11, 588036.	4.8	38
25	Biochemical markers of bone metabolism in gingival crevicular fluid during early orthodontic tooth movement. Angle Orthodontist, 2013, 83, 63-69.	2.4	37
26	Increased levels of the Tâ€helper 22â€associated cytokine (interleukinâ€22) and transcription factor (aryl) Tj ETQq0 0 0 rgBT /Overlock activity and severity of the disease. Journal of Periodontal Research, 2017, 52, 893-902.	2.7	35
27	Serotype b of Aggregatibacter actinomycetemcomitans triggers pro-inflammatory responses and amyloid beta secretion in hippocampal cells: a novel link between periodontitis and AlzheimerÂ´s disease?. Journal of Oral Microbiology, 2019, 11, 1586423.	2.7	35
28	Activation of <scp>RANKL</scp>â€induced osteoclasts and memory T lymphocytes by Porphyromonas gingivalis is serotype dependant. Journal of Clinical Periodontology, 2014, 41, 451-459.	4.9	34
29	Neisseria gonorrhoeae Modulates Immunity by Polarizing Human Macrophages to a M2 Profile. PLoS ONE, 2015, 10, e0130713.	2.5	34
30	Alveolar bone resorption and Th1/Th17â€associated immune response triggered during Aggregatibacter actinomycetemcomitansâ€induced experimental periodontitis are serotypeâ€dependent. Journal of Periodontology, 2018, 89, 1249-1261.	3.4	34
31	Genetic and phenotypic evidence of the Salmonella enterica serotype Enteritidis human-animal interface in Chile. Frontiers in Microbiology, 2015, 6, 464.	3.5	30
32	<scp>IL</scp>â€22â€“expressing <scp>CD</scp>4⁺AhR⁺ T lymphocytes are associated with <scp>RANKL</scp>â€mediated alveolar bone resorption during experimental periodontitis. Journal of Periodontal Research, 2019, 54, 513-524.	2.7	30
33	Humanized Mouse Models for the Study of Periodontitis: An Opportunity to Elucidate Unresolved Aspects of Its Immunopathogenesis and Analyze New Immunotherapeutic Strategies. Frontiers in Immunology, 2021, 12, 663328.	4.8	30
34	Tâ€lymphocyte phenotype and function triggered by Aggregatibacter actinomycetemcomitans is serotypeâ€dependent. Journal of Periodontal Research, 2015, 50, 824-835.	2.7	29
35	RvE1 Impacts the Gingival Inflammatory Infiltrate by Inhibiting the T Cell Response in Experimental Periodontitis. Frontiers in Immunology, 2021, 12, 664756.	4.8	29
36	Treatment of fractures of the atlas and axis by wiring without fusion. Journal of Neurosurgery, 1972, 36, 773-780.	1.6	28

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37	Quality of life and stability of tooth color change at three months after dental bleaching. Quality of Life Research, 2018, 27, 3199-3207.	3.1	28
38	Distinct human Tâ€lymphocyte responses triggered by Porphyromonas gingivalis capsular serotypes. Journal of Clinical Periodontology, 2014, 41, 19-30.	4.9	27
39	Macrophages skew towards M1 profile through reduced CD163 expression in symptomatic apical periodontitis. Clinical Oral Investigations, 2020, 24, 4571-4581.	3.0	27
40	Serotypeâ€dependent response of human dendritic cells stimulated with Aggregatibacter actinomycetemcomitans. Journal of Clinical Periodontology, 2014, 41, 242-251.	4.9	26
41	CCL2 Inhibits the Apoptosis Program Induced by Growth Factor Deprivation, Rescuing Functional T Cells. Journal of Immunology, 2007, 179, 7352-7357.	0.8	25
42	C-Reactive Protein Expression Is Up-regulated in Apical Lesions of Endodontic Origin in Association withÂInterleukin-6. Journal of Endodontics, 2015, 41, 464-469.	3.1	25
43	Effectiveness and Impact of the Walking Bleach Technique on Esthetic Self-perception and Psychosocial Factors: A Randomized Double-blind Clinical Trial. Operative Dentistry, 2017, 42, 596-605.	1.2	25
44	The therapeutic potential of regulatory T lymphocytes in periodontitis: A systematic review. Journal of Periodontal Research, 2019, 54, 207-217.	2.7	25
45	The Porphyromonas gingivalis O antigen is required for inhibition of apoptosis in gingival epithelial cells following bacterial infection. Journal of Periodontal Research, 2016, 51, 518-528.	2.7	24
46	Multifunctional nanocarriers for the treatment of periodontitis: Immunomodulatory, antimicrobial, and regenerative strategies. Oral Diseases, 2019, 25, 1866-1878.	3.0	23
47	T regulatory cells-derived extracellular vesicles and their contribution to the generation of immune tolerance. Journal of Leukocyte Biology, 2020, 108, 813-824.	3.3	21
48	Oral-Gut-Brain Axis in Experimental Models of Periodontitis: Associating Gut Dysbiosis With Neurodegenerative Diseases. Frontiers in Aging, 2021, 2, .	2.6	21
49	Bone resorptive activity in symptomatic and asymptomatic apical lesions of endodontic origin. Clinical Oral Investigations, 2017, 21, 2613-2618.	3.0	20
50	Capsularâ€defective Porphyromonas gingivalis mutant strains induce less alveolar bone resorption than W50 wildâ€type strain due to a decreased Th1/Th17 immune response and less osteoclast activity. Journal of Periodontology, 2019, 90, 522-534.	3.4	20
51	Levels of Interleukin-21 in Patients With Untreated Chronic Periodontitis. Journal of Periodontology, 2011, 82, 1483-1489.	3.4	19
52	Stimulatory response of neutrophils from periodontitis patients with periodontal pathogens. Oral Diseases, 2007, 13, 474-481.	3.0	18
53	<scp>H</scp>₂<scp>O</scp>₂ activates matrix metalloproteinases through the nuclear factor kappa <scp>B</scp> pathway and <scp>C</scp>a²⁺ signals in human periodontal fibroblasts. Journal of Periodontal Research, 2015, 50, 798-806.	2.7	18
54	Serotype b of Aggregatibacter actinomycetemcomitans increases osteoclast and memory Tâ€lymphocyte activation. Molecular Oral Microbiology, 2016, 31, 162-174.	2.7	18

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55	Variability in the response of canine and human dendritic cells stimulated with Brucella canis. Veterinary Research, 2017, 48, 72.	3.0	18
56	Boldine inhibits the alveolar bone resorption during ligatureâ€induced periodontitis by modulating the Th17/Treg imbalance. Journal of Periodontology, 2021, 92, 123-136.	3.4	18
57	Differential human Th22-lymphocyte response triggered by Aggregatibacter actinomycetemcomitans serotypes. Archives of Oral Biology, 2017, 78, 26-33.	1.8	17
58	High Levels of CXC Ligand 12/Stromal Cellâ€"derived Factor 1 in Apical Lesions of Endodontic Origin Associated with Mast Cell Infiltration. Journal of Endodontics, 2013, 39, 1234-1239.	3.1	16
59	Premature Senescence of T-cells Favors Bone Loss During Osteolytic Diseases. A New Concern in the Osteoimmunology Arena. , 2021, 12, 1150.		15
60	Differential expression of CC chemokines (CCLs) and receptors (CCRs) by human T lymphocytes in response to different Aggregatibacter actinomycetemcomitans serotypes. Journal of Applied Oral Science, 2015, 23, 536-546.	1.8	14
61	Human periodontal ligament fibroblasts synthesize Câ€reactive protein and Thâ€related cytokines in response to interleukin (<scp>IL</scp>)â€6 transâ€signalling. International Endodontic Journal, 2018, 51, 632-640.	5.0	14
62	Patient satisfaction and survival of maxillary overdentures supported by four or six splinted implants: a systematic review with meta-analysis. BMC Oral Health, 2021, 21, 247.	2.3	13
63	Micro-tomographic characterization of the root and canal system morphology of mandibular first premolars in a Chilean population. Scientific Reports, 2021, 11, 93.	3.3	12
64	Aggregatibacter actinomycetemcomitans Induces Autophagy in Human Junctional Epithelium Keratinocytes. Cells, 2020, 9, 1221.	4.1	11
65	Development of a self-report questionnaire designed for population-based surveillance of gingivitis in adolescents: assessment of content validity and reliability. Journal of Applied Oral Science, 2017, 25, 404-411.	1.8	10
66	Inflammatory markers ILâ€1Î² and RANKâ€Ł assessment after nonâ€vital bleaching: A 3â€month followâ€up. Journal of Esthetic and Restorative Dentistry, 2020, 32, 119-126.	3.8	10
67	Periodontal disease and its impact on general health in Latin America. Section II: Introduction part II. Brazilian Oral Research, 2020, 34, e023.	1.4	9
68	Brucella canis induces canine CD4+ T cells multi-cytokine Th1/Th17 production via dendritic cell activation. Comparative Immunology, Microbiology and Infectious Diseases, 2019, 62, 68-75.	1.6	8
69	Levels of low-molecular-weight hyaluronan in periodontitis-treated patients and its immunostimulatory effects on CD4+ T lymphocytes. Clinical Oral Investigations, 2021, 25, 4987-5000.	3.0	8
70	Senescent CD4+CD28â^' T Lymphocytes as a Potential Driver of Th17/Treg Imbalance and Alveolar Bone Resorption during Periodontitis. International Journal of Molecular Sciences, 2022, 23, 2543.	4.1	8
71	The Role of Immuno-Inflammatory Response in the Pathogenesis of Chronic Periodontitis and Development of Chair-Side Point of Care Diagnostics. , 0, , .		7
72	Immunostimulatory activity of low-molecular-weight hyaluronan on dendritic cells stimulated with Aggregatibacter actinomycetemcomitans or Porphyromonas gingivalis. Clinical Oral Investigations, 2019, 23, 1887-1894.	3.0	7

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73	O-Polysaccharide Plays a Major Role on the Virulence and Immunostimulatory Potential of Aggregatibacter actinomycetemcomitans During Periodontal Infection. Frontiers in Immunology, 2020, 11, 591240.	4.8	7
74	Overexpression of MMPs, cytokines, and RANKL/OPG in temporomandibular joint osteoarthritis and their association with joint pain, mouth opening, and bone degeneration: A preliminary report. Oral Diseases, 2021, 27, 970-980.	3.0	7
75	ATP Induces IL-1Î²Secretion inNeisseria gonorrhoeae-Infected Human Macrophages by a Mechanism Not Related to the NLRP3/ASC/Caspase-1 Axis. Mediators of Inflammation, 2016, 2016, 1-10.	3.0	6
76	Does the Use of a â€œWalking Bleachingâ€•Technique Increase Bone Resorption Markers?. Operative Dentistry, 2018, 43, 250-260.	1.2	6
77	Serotype a of Aggregatibacter actinomycetemcomitans down-regulates the increased serotype b-induced cytokine and chemokine production in dendritic cells. Archives of Oral Biology, 2018, 93, 155-162.	1.8	4
78	Six-month Follow-up of the Effect of Nonvital Bleaching on IL-1Î² and RANK-L: A Randomized Clinical Trial. Operative Dentistry, 2019, 44, 581-588.	1.2	4
79	The influence of flap design on patientsâ€™ experiencing pain, swelling, and trismus after mandibular third molar surgery: a scoping systematic review. Journal of Applied Oral Science, 2021, 29, e20200932.	1.8	3
80	Natural Killer T (NKT) Cells and Periodontitis: Potential Regulatory Role of NKT10 Cells. Mediators of Inflammation, 2021, 2021, 1-13.	3.0	2
81	Translation Controlled mRNAs: New Drug Targets in Infectious Diseases?. Infectious Disorders - Drug Targets, 2008, 8, 252-261.	0.8	2
82	A microâ€CT analysis of radicular dentine thickness in mandibular first premolars presenting Câ€shaped root canals: Identification of potential danger zones. International Endodontic Journal, 2022, , .	5.0	2
83	Components of Host Response to Pathogenic Bacteria in Gingivitis. , 0, , .		1
84	Osteoarthritis of the Temporomandibular Joint: Clinical and Imagenological Diagnosis, Pathogenic Role of the Immuno- Inflammatory Response, and Immunotherapeutic Strategies Based on T Regulatory Lymphocytes. , 2018, , .		1
85	Inhibitory effect of serotype a of Aggregatibacter actinomycetemcomitans on the increased destructive potential of serotype b. Oral Diseases, 2020, 26, 409-418.	3.0	1
86	Variabilidad de la SÃntesis de RANKL por Linfocitos T frente a Distintos Serotipos Capsulares de Porphyromonas gingivalis. Revista ClÃnica De Periodoncia ImplantologÃa Y RehabilitaciÃ³n Oral, 2010, 3, 19-23.	0.1	0
87	Papel de los linfocitos T CD4+ en la destrucciÃ³n Ã³sea observada durante la periodontitis crÃ³nica. Avances En Periodoncia E ImplantologÃa Oral, 2006, 18, .	0.0	0
88	Respuesta inmune Th1 en la osteoartritis de la articulaciÃ³n temporomandibular. Avances En Odontoestomatologia, 2007, 23, .	0.1	0
89	Variabilidad de la sÃntesis de RANKL por linfocitos T frente a distintos serotipos capsulares de Porphyromonas gingivalis. Revista ClÃnica De Periodoncia ImplantologÃa Y RehabilitaciÃ³n Oral, 2010, 3, 19-23.	0.1	0
90	Variabilidad de la sÃntesis de citoquinas por cÃ©lulas dendrÃticas humanas estimuladas con los distintos serotipos de Aggregatibacter actinomycetecomitans. Revista ClÃnica De Periodoncia ImplantologÃa Y RehabilitaciÃ³n Oral, 2013, 6, 57-62.	0.1	0

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91	Treatment of a single gingival recession with a subepithelial connective tissue graft with a double papilla flap: A case report. SAGE Open Medical Case Reports, 2022, 10, 2050313X2210787.	0.3	0