

Rolando Vernal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3061544/publications.pdf>

Version: 2024-02-01

91
papers

3,158
citations

172207

29
h-index

174990

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. <i>Journal of Applied Oral Science</i> , 2015, 23, 329-355.	0.7	314
2	Levels of interleukin-17 in gingival crevicular fluid and in supernatants of cellular cultures of gingival tissue from patients with chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2005, 32, 383-389.	2.3	196
3	Host-Pathogen Interactions in Progressive Chronic Periodontitis. <i>Journal of Dental Research</i> , 2011, 90, 1164-1170.	2.5	152
4	Overexpression of forkhead box P3 and its association with receptor activator of nuclear factor- κ B ligand, interleukin (IL) κ 17, IL κ 10 and transforming growth factor κ 1 β during the progression of chronic periodontitis. <i>Journal of Clinical Periodontology</i> , 2009, 36, 396-403.	2.3	150
5	Characterization of progressive periodontal lesions in chronic periodontitis patients: levels of chemokines, cytokines, matrix metalloproteinase-13, periodontal pathogens and inflammatory cells. <i>Journal of Clinical Periodontology</i> , 2008, 35, 206-214.	2.3	115
6	Expression of proinflammatory cytokines in osteoarthritis of the temporomandibular joint. <i>Archives of Oral Biology</i> , 2008, 53, 910-915.	0.8	108
7	Matrix Metalloproteinase-13 Is Highly Expressed in Destructive Periodontal Disease Activity. <i>Journal of Periodontology</i> , 2006, 77, 1863-1870.	1.7	104
8	Levels of Interferon κ Gamma and Transcription Factor T κ Bet in Progressive Periodontal Lesions in Patients With Chronic Periodontitis. <i>Journal of Periodontology</i> , 2009, 80, 290-296.	1.7	98
9	Isolation of polysome-bound mRNA from solid tissues amenable for RT-PCR and profiling experiments. <i>Rna</i> , 2007, 13, 414-421.	1.6	91
10	RANKL in human periapical granuloma: possible involvement in periapical bone destruction. <i>Oral Diseases</i> , 2006, 12, 283-289.	1.5	74
11	Levels of Cytokine Receptor Activator of Nuclear Factor κ B Ligand in Gingival Crevicular Fluid in Untreated Chronic Periodontitis Patients. <i>Journal of Periodontology</i> , 2004, 75, 1586-1591.	1.7	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. <i>Journal of Periodontology</i> , 2006, 77, 1772-1780.	1.7	63
13	Osteoimmunology of Oral and Maxillofacial Diseases: Translational Applications Based on Biological Mechanisms. <i>Frontiers in Immunology</i> , 2019, 10, 1664.	2.2	61
14	Interleukin κ 21 Expression and Its Association With Proinflammatory Cytokines in Untreated Chronic Periodontitis Patients. <i>Journal of Periodontology</i> , 2012, 83, 948-954.	1.7	57
15	Regulatory T Lymphocytes in Periodontitis: A Translational View. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	1.4	57
16	Oxidative Stress in the Local and Systemic Events of Apical Periodontitis. <i>Frontiers in Physiology</i> , 2017, 8, 869.	1.3	55
17	Differential cytokine expression by human dendritic cells in response to different <i>Porphyromonas gingivalis</i> capsular serotypes. <i>Journal of Clinical Periodontology</i> , 2009, 36, 823-829.	2.3	54
18	Variability in the response of human dendritic cells stimulated with <i>Porphyromonas gingivalis</i> or <i>Aggregatibacter actinomycetemcomitans</i> . <i>Journal of Periodontal Research</i> , 2008, 43, 689-697.	1.4	44

#	ARTICLE	IF	CITATIONS
19	Variability of the Dendritic Cell Response Triggered by Different Serotypes of <i>Aggregatibacter actinomycetemcomitans</i> or <i>Porphyromonas gingivalis</i> Is Toll-Like Receptor 2 (TLR2) or TLR4 Dependent. <i>Journal of Periodontology</i> , 2015, 86, 108-119.	1.7	42
20	Th1/Th17/Th22 immune response and their association with joint pain, immunological bone loss, RANKL expression and osteoclast activity in temporomandibular joint osteoarthritis: A preliminary report. <i>Journal of Oral Rehabilitation</i> , 2018, 45, 589-597.	1.3	41
21	Regulatory T cell phenotype and anti-osteoclastogenic function in experimental periodontitis. <i>Scientific Reports</i> , 2020, 10, 19018.	1.6	40
22	Interleukin-35 inhibits alveolar bone resorption by modulating the Th17/Treg imbalance during periodontitis. <i>Journal of Clinical Periodontology</i> , 2020, 47, 676-688.	2.3	39
23	Th17 and Treg Cells, Two New Lymphocyte Subpopulations with a Key Role in the Immune Response Against Infection. <i>Infectious Disorders - Drug Targets</i> , 2008, 8, 207-220.	0.4	39
24	Alzheimer's Disease-Like Pathology Triggered by <i>Porphyromonas gingivalis</i> in Wild Type Rats Is Serotype Dependent. <i>Frontiers in Immunology</i> , 2020, 11, 588036.	2.2	38
25	Biochemical markers of bone metabolism in gingival crevicular fluid during early orthodontic tooth movement. <i>Angle Orthodontist</i> , 2013, 83, 63-69.	1.1	37
26	Increased levels of the Th-helper 22-associated cytokine (interleukin-22) and transcription factor (aryl) Tj ETQq0 0 0 rgBT /Overlock activity and severity of the disease. <i>Journal of Periodontal Research</i> , 2017, 52, 893-902.	1.4	35
27	Serotype b of <i>Aggregatibacter actinomycetemcomitans</i> triggers pro-inflammatory responses and amyloid beta secretion in hippocampal cells: a novel link between periodontitis and Alzheimer's disease?. <i>Journal of Oral Microbiology</i> , 2019, 11, 1586423.	1.2	35
28	Activation of RANKL-induced osteoclasts and memory T lymphocytes by <i>Porphyromonas gingivalis</i> is serotype dependant. <i>Journal of Clinical Periodontology</i> , 2014, 41, 451-459.	2.3	34
29	<i>Neisseria gonorrhoeae</i> Modulates Immunity by Polarizing Human Macrophages to a M2 Profile. <i>PLoS ONE</i> , 2015, 10, e0130713.	1.1	34
30	Alveolar bone resorption and Th1/Th17-associated immune response triggered during <i>Aggregatibacter actinomycetemcomitans</i> -induced experimental periodontitis are serotype-dependent. <i>Journal of Periodontology</i> , 2018, 89, 1249-1261.	1.7	34
31	Genetic and phenotypic evidence of the <i>Salmonella enterica</i> serotype Enteritidis human-animal interface in Chile. <i>Frontiers in Microbiology</i> , 2015, 6, 464.	1.5	30
32	IL-22-expressing CD4 ⁺ AhR ⁺ T lymphocytes are associated with RANKL-mediated alveolar bone resorption during experimental periodontitis. <i>Journal of Periodontal Research</i> , 2019, 54, 513-524.	1.4	30
33	Humanized Mouse Models for the Study of Periodontitis: An Opportunity to Elucidate Unresolved Aspects of Its Immunopathogenesis and Analyze New Immunotherapeutic Strategies. <i>Frontiers in Immunology</i> , 2021, 12, 663328.	2.2	30
34	Th lymphocyte phenotype and function triggered by <i>Aggregatibacter actinomycetemcomitans</i> is serotype-dependent. <i>Journal of Periodontal Research</i> , 2015, 50, 824-835.	1.4	29
35	RvE1 Impacts the Gingival Inflammatory Infiltrate by Inhibiting the T Cell Response in Experimental Periodontitis. <i>Frontiers in Immunology</i> , 2021, 12, 664756.	2.2	29
36	Treatment of fractures of the atlas and axis by wiring without fusion. <i>Journal of Neurosurgery</i> , 1972, 36, 773-780.	0.9	28

#	ARTICLE	IF	CITATIONS
37	Quality of life and stability of tooth color change at three months after dental bleaching. <i>Quality of Life Research</i> , 2018, 27, 3199-3207.	1.5	28
38	Distinct human T α lymphocyte responses triggered by <i>Porphyromonas gingivalis</i> capsular serotypes. <i>Journal of Clinical Periodontology</i> , 2014, 41, 19-30.	2.3	27
39	Macrophages skew towards M1 profile through reduced CD163 expression in symptomatic apical periodontitis. <i>Clinical Oral Investigations</i> , 2020, 24, 4571-4581.	1.4	27
40	Serotype α dependent response of human dendritic cells stimulated with <i>Aggregatibacter actinomycetemcomitans</i> . <i>Journal of Clinical Periodontology</i> , 2014, 41, 242-251.	2.3	26
41	CCL2 Inhibits the Apoptosis Program Induced by Growth Factor Deprivation, Rescuing Functional T Cells. <i>Journal of Immunology</i> , 2007, 179, 7352-7357.	0.4	25
42	C-Reactive Protein Expression Is Up-regulated in Apical Lesions of Endodontic Origin in Association with Interleukin-6. <i>Journal of Endodontics</i> , 2015, 41, 464-469.	1.4	25
43	Effectiveness and Impact of the Walking Bleach Technique on Esthetic Self-perception and Psychosocial Factors: A Randomized Double-blind Clinical Trial. <i>Operative Dentistry</i> , 2017, 42, 596-605.	0.6	25
44	The therapeutic potential of regulatory T lymphocytes in periodontitis: A systematic review. <i>Journal of Periodontal Research</i> , 2019, 54, 207-217.	1.4	25
45	The <i>Porphyromonas gingivalis</i> O antigen is required for inhibition of apoptosis in gingival epithelial cells following bacterial infection. <i>Journal of Periodontal Research</i> , 2016, 51, 518-528.	1.4	24
46	Multifunctional nanocarriers for the treatment of periodontitis: Immunomodulatory, antimicrobial, and regenerative strategies. <i>Oral Diseases</i> , 2019, 25, 1866-1878.	1.5	23
47	T regulatory cells-derived extracellular vesicles and their contribution to the generation of immune tolerance. <i>Journal of Leukocyte Biology</i> , 2020, 108, 813-824.	1.5	21
48	Oral-Gut-Brain Axis in Experimental Models of Periodontitis: Associating Gut Dysbiosis With Neurodegenerative Diseases. <i>Frontiers in Aging</i> , 2021, 2, .	1.2	21
49	Bone resorptive activity in symptomatic and asymptomatic apical lesions of endodontic origin. <i>Clinical Oral Investigations</i> , 2017, 21, 2613-2618.	1.4	20
50	Capsular α defective <i>Porphyromonas gingivalis</i> mutant strains induce less alveolar bone resorption than W50 wild α type strain due to a decreased Th1/Th17 immune response and less osteoclast activity. <i>Journal of Periodontology</i> , 2019, 90, 522-534.	1.7	20
51	Levels of Interleukin-21 in Patients With Untreated Chronic Periodontitis. <i>Journal of Periodontology</i> , 2011, 82, 1483-1489.	1.7	19
52	Stimulatory response of neutrophils from periodontitis patients with periodontal pathogens. <i>Oral Diseases</i> , 2007, 13, 474-481.	1.5	18
53	H ₂ O ₂ activates matrix metalloproteinases through the nuclear factor kappa B pathway and C ²⁺ signals in human periodontal fibroblasts. <i>Journal of Periodontal Research</i> , 2015, 50, 798-806.	1.4	18
54	Serotype b of <i>Aggregatibacter actinomycetemcomitans</i> increases osteoclast and memory T α lymphocyte activation. <i>Molecular Oral Microbiology</i> , 2016, 31, 162-174.	1.3	18

#	ARTICLE	IF	CITATIONS
55	Variability in the response of canine and human dendritic cells stimulated with <i>Brucella canis</i> . <i>Veterinary Research</i> , 2017, 48, 72.	1.1	18
56	Boldine inhibits the alveolar bone resorption during ligature-induced periodontitis by modulating the Th17/Treg imbalance. <i>Journal of Periodontology</i> , 2021, 92, 123-136.	1.7	18
57	Differential human Th22-lymphocyte response triggered by <i>Aggregatibacter actinomycetemcomitans</i> serotypes. <i>Archives of Oral Biology</i> , 2017, 78, 26-33.	0.8	17
58	High Levels of CXCL12/Stromal Cell-derived Factor 1 in Apical Lesions of Endodontic Origin Associated with Mast Cell Infiltration. <i>Journal of Endodontics</i> , 2013, 39, 1234-1239.	1.4	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 <i>Aggregatibacter actinomycetemcomitans</i> serotypes. <i>Journal of Applied Oral Science</i> , 2015, 23, 536-546.	0.7	14
61	Human periodontal ligament fibroblasts synthesize C-reactive protein and Th1-related cytokines in response to interleukin-6 transsignalling. <i>International Endodontic Journal</i> , 2018, 51, 632-640.	2.3	14
62	Patient satisfaction and survival of maxillary overdentures supported by four or six splinted implants: a systematic review with meta-analysis. <i>BMC Oral Health</i> , 2021, 21, 247.	0.8	13
63	Micro-tomographic characterization of the root and canal system morphology of mandibular first premolars in a Chilean population. <i>Scientific Reports</i> , 2021, 11, 93.	1.6	12
64	<i>Aggregatibacter actinomycetemcomitans</i> Induces Autophagy in Human Junctional Epithelium Keratinocytes. <i>Cells</i> , 2020, 9, 1221.	1.8	11
65	Development of a self-report questionnaire designed for population-based surveillance of gingivitis in adolescents: assessment of content validity and reliability. <i>Journal of Applied Oral Science</i> , 2017, 25, 404-411.	0.7	10
66	Inflammatory markers IL-1 β and RANKL assessment after non-vital bleaching: A 3-month follow-up. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 32, 119-126.	1.8	10
67	Periodontal disease and its impact on general health in Latin America. Section II: Introduction part II. <i>Brazilian Oral Research</i> , 2020, 34, e023.	0.6	9
68	<i>Brucella canis</i> induces canine CD4 ⁺ T cells multi-cytokine Th1/Th17 production via dendritic cell activation. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019, 62, 68-75.	0.7	8
69	Levels of low-molecular-weight hyaluronan in periodontitis-treated patients and its immunostimulatory effects on CD4 ⁺ T lymphocytes. <i>Clinical Oral Investigations</i> , 2021, 25, 4987-5000.	1.4	8
70	Senescent CD4 ⁺ CD28 ^{low} T Lymphocytes as a Potential Driver of Th17/Treg Imbalance and Alveolar Bone Resorption during Periodontitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2543.	1.8	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 <i>Aggregatibacter actinomycetemcomitans</i> or <i>Porphyromonas gingivalis</i> . <i>Clinical Oral Investigations</i> , 2019, 23, 1887-1894.	1.4	7

#	ARTICLE	IF	CITATIONS
73	O-Polysaccharide Plays a Major Role on the Virulence and Immunostimulatory Potential of <i>Aggregatibacter actinomycetemcomitans</i> During Periodontal Infection. <i>Frontiers in Immunology</i> , 2020, 11, 591240.	2.2	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. <i>Oral Diseases</i> , 2021, 27, 970-980.	1.5	7
75	ATP Induces IL-1 β Secretion in <i>Neisseria gonorrhoeae</i> -Infected Human Macrophages by a Mechanism Not Related to the NLRP3/ASC/Caspase-1 Axis. <i>Mediators of Inflammation</i> , 2016, 2016, 1-10.	1.4	6
76	Does the Use of a "Walking Bleaching" Technique Increase Bone Resorption Markers?. <i>Operative Dentistry</i> , 2018, 43, 250-260.	0.6	6
77	Serotype a of <i>Aggregatibacter actinomycetemcomitans</i> down-regulates the increased serotype b-induced cytokine and chemokine production in dendritic cells. <i>Archives of Oral Biology</i> , 2018, 93, 155-162.	0.8	4
78	Six-month Follow-up of the Effect of Nonvital Bleaching on IL-1 β and RANK-L: A Randomized Clinical Trial. <i>Operative Dentistry</i> , 2019, 44, 581-588.	0.6	4
79	The influence of flap design on patients'™ experiencing pain, swelling, and trismus after mandibular third molar surgery: a scoping systematic review. <i>Journal of Applied Oral Science</i> , 2021, 29, e20200932.	0.7	3
80	Natural Killer T (NKT) Cells and Periodontitis: Potential Regulatory Role of NKT10 Cells. <i>Mediators of Inflammation</i> , 2021, 2021, 1-13.	1.4	2
81	Translation Controlled mRNAs: New Drug Targets in Infectious Diseases?. <i>Infectious Disorders - Drug Targets</i> , 2008, 8, 252-261.	0.4	2
82	A micro-CT analysis of radicular dentine thickness in mandibular first premolars presenting C-shaped root canals: Identification of potential danger zones. <i>International Endodontic Journal</i> , 2022, , .	2.3	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 <i>Aggregatibacter actinomycetemcomitans</i> on the increased destructive potential of serotype b. <i>Oral Diseases</i> , 2020, 26, 409-418.	1.5	1
86	Variabilidad de la SÍntesis de RANKL por Linfocitos T frente a Distintos Serotipos Capsulares de <i>Porphyromonas gingivalis</i> . <i>Revista ClÁnica De Periodoncia ImplantologÁa Y Rehabilitaci³n Oral</i> , 2010, 3, 19-23.	0.1	0
87	Papel de los linfocitos T CD4+ en la destrucci³n Å³sea observada durante la periodontitis cr³nica. <i>Avances En Periodoncia E ImplantologÁa Oral</i> , 2006, 18, .	0.0	0
88	Respuesta inmune Th1 en la osteoartritis de la articulaci³n temporomandibular. <i>Avances En OdontoesomatologÁa</i> , 2007, 23, .	0.1	0
89	Variabilidad de la sÍntesis de RANKL por linfocitos T frente a distintos serotipos capsulares de <i>Porphyromonas gingivalis</i> . <i>Revista ClÁnica De Periodoncia ImplantologÁa Y Rehabilitaci³n Oral</i> , 2010, 3, 19-23.	0.1	0
90	Variabilidad de la sÍntesis de citoquinas por cÁlulas dendrÁticas humanas estimuladas con los distintos serotipos de <i>Aggregatibacter actinomycetemcomitans</i> . <i>Revista ClÁnica De Periodoncia ImplantologÁa Y Rehabilitaci³n Oral</i> , 2013, 6, 57-62.	0.1	0

#	ARTICLE	IF	CITATIONS
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.	0.2	0