

Michael Glogauer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5386265/michael-glogauer-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. 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.

219
papers

10,913
citations

56
h-index

99
g-index

244
ext. papers

12,787
ext. citations

5.3
avg, IF

6.27
L-index

#	Paper	IF	Citations
219	Scinderin promotes fusion of electron transport chain dysfunctional muscle stem cells with myofibers.. <i>Nature Aging</i> , 2022 , 2, 155-169		2
218	Tissue-specific murine neutrophil activation states in health and inflammation. <i>Journal of Leukocyte Biology</i> , 2021 , 110, 187-195	6.5	4
217	Clinical practice guidelines for dental management prior to radiation for head and neck cancer. <i>Oral Oncology</i> , 2021 , 123, 105604	4.4	1
216	Design, Synthesis, Pharmacokinetics, and Biodistribution of a Series of Bone-Targeting EP4 Receptor Agonist Prodrugs for Treatment of Osteoporosis and Other Bone Conditions. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 908-925	5.9	1
215	The actin-binding protein Adseverin mediates neutrophil polarization and migration. <i>Cytoskeleton</i> , 2021 , 78, 206-213	2.4	0
214	Metabolites of the Oral Microbiome: Important Mediators of Multi-Kingdom Interactions. <i>FEMS Microbiology Reviews</i> , 2021 ,	15.1	1
213	Periodontal Inflammation Primes the Systemic Innate Immune Response. <i>Journal of Dental Research</i> , 2021 , 100, 318-325	8.1	18
212	Short-term and long-term unstimulated saliva flow following unilateral vs bilateral radiotherapy for oropharyngeal carcinoma. <i>Head and Neck</i> , 2021 , 43, 456-466	4.2	
211	The role of CRISPR-Cas in advancing precision periodontics. <i>Journal of Periodontal Research</i> , 2021 , 56, 454-461	4.3	1
210	The neurorepellent, Slit2, prevents macrophage lipid loading by inhibiting CD36-dependent binding and internalization of oxidized low-density lipoprotein. <i>Scientific Reports</i> , 2021 , 11, 3614	4.9	2
209	THE PROCESS OF DEVELOPING CONSENSUS GUIDELINES BY DENTAL ONCOLOGISTS FOR PRE-RADIOTHERAPY DENTAL CARE IN HEAD AND NECK CANCER PATIENTS USING THE MODIFIED DELPHI TECHNIQUE.. <i>Journal of Evidence-based Dental Practice</i> , 2021 , 21, 101620	1.9	1
208	TNF β Signaling Is Increased in Progressing Oral Potentially Malignant Disorders and Regulates Malignant Transformation in an Oral Carcinogenesis Model. <i>Frontiers in Oncology</i> , 2021 , 11, 741013	5.3	1
207	What non-clinical factors influence the general dentist-specialist relationship in Canada?. <i>BMC Oral Health</i> , 2021 , 21, 459	3.7	
206	GEF-H1 Is Required for Colchicine Inhibition of Neutrophil Rolling and Recruitment in Mouse Models of Gout. <i>Journal of Immunology</i> , 2020 , 205, 3300-3310	5.3	0
205	Peptidomic Analysis of Urine From Youths with Early Type 1 Diabetes Reveals Novel Bioactivity of Uromodulin Peptides. <i>Molecular and Cellular Proteomics</i> , 2020 , 19, 501-517	7.6	19
204	Oral inflammatory load: Neutrophils as oral health biomarkers. <i>Journal of Periodontal Research</i> , 2020 , 55, 594-601	4.3	2
203	The DMFS160: A new index for measuring post-radiation caries. <i>Oral Oncology</i> , 2020 , 108, 104823	4.4	2

202	Achieving enhanced bone regeneration using monetite granules with bone anabolic drug conjugates (C3 and C6) in rat mandibular defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 2670-2680	3.5	5
201	What influences the clinical decision-making of dentists? A cross-sectional study. <i>PLoS ONE</i> , 2020 , 15, e0233652	3.7	4
200	Screening for Dental Infections Achieves 6-Fold Reduction in Dental Emergencies During Induction Chemotherapy for Acute Myeloid Leukemia. <i>JCO Oncology Practice</i> , 2020 , 16, e1397-e1405	2.3	1
199	Improved bone regeneration using bone anabolic drug conjugates (C3 and C6) with deproteinized bovine bone mineral as a carrier in rat mandibular defects. <i>Journal of Periodontology</i> , 2020 , 91, 1521-1531	4.6	0
198	Robust Ligature-Induced Model of Murine Periodontitis for the Evaluation of Oral Neutrophils. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	1
197	In Vitro Assay for Sensitive Determination of Human Blood PMN Responses. <i>Methods in Molecular Biology</i> , 2020 , 2087, 235-241	1.4	
196	CD301 mediates fusion in IL-4-driven multinucleated giant cell formation. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	1
195	Stressed-Out Oral Immunity: A Gateway From Socioeconomic Adversity to Periodontal Disease. <i>Psychosomatic Medicine</i> , 2020 , 82, 126-137	3.7	6
194	Does competition affect the clinical decision-making of dentists? A geospatial analysis. <i>Community Dentistry and Oral Epidemiology</i> , 2020 , 48, 152-162	2.8	3
193	Human neutrophils compromise the restoration-tooth interface. <i>Acta Biomaterialia</i> , 2020 , 117, 283-293	10.8	1
192	AP-002: A novel inhibitor of osteoclast differentiation and function without disruption of osteogenesis. <i>European Journal of Pharmacology</i> , 2020 , 889, 173613	5.3	0
191	The effect of pamidronate delivery in bisphosphonate-naïve patients on neutrophil chemotaxis and oxidative burst. <i>Scientific Reports</i> , 2020 , 10, 18309	4.9	3
190	The Neutrophil: Constant Defender and First Responder. <i>Frontiers in Immunology</i> , 2020 , 11, 571085	8.4	17
189	Periodontitis is an inflammatory disease of oxidative stress: We should treat it that way. <i>Periodontology 2000</i> , 2020 , 84, 45-68	12.9	45
188	SLIT2/ROBO1-signaling inhibits macropinocytosis by opposing cortical cytoskeletal remodeling. <i>Nature Communications</i> , 2020 , 11, 4112	17.4	12
187	The impact of the COVID-19 pandemic on medically essential dental care. <i>Oral Diseases</i> , 2020 ,	3.5	1
186	Inhibition of BRD4 Reduces Neutrophil Activation and Adhesion to the Vascular Endothelium Following Ischemia Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
185	Differential response of human blood leukocytes to brushite, monetite, and calcium polyphosphate biomaterials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 253-262	3.5	3

184	The Crossroads of Periodontitis and Oral Squamous Cell Carcinoma: Immune Implications and Tumor Promoting Capacities.. <i>Frontiers in Oral Health</i> , 2020 , 1, 584705	0.8	4
183	Oral inflammatory load in patients with coronary artery disease. <i>Journal of Oral Science</i> , 2019 , 61, 412-417	5	1
182	The Biology of Social Adversity Applied to Oral Health. <i>Journal of Dental Research</i> , 2019 , 98, 1442-1449	8.1	14
181	Primed PMNs in healthy mouse and human circulation are first responders during acute inflammation. <i>Blood Advances</i> , 2019 , 3, 1622-1637	7.8	21
180	Control of antiviral innate immune response by protein geranylgeranylation. <i>Science Advances</i> , 2019 , 5, eaav7999	14.3	23
179	Natural and synthetic bone replacement graft materials for dental and maxillofacial applications 2019 , 347-376		11
178	Neutrophil Diversity in Health and Disease. <i>Trends in Immunology</i> , 2019 , 40, 565-583	14.4	158
177	Adseverin, an actin binding protein, regulates articular chondrocyte phenotype. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1438-1452	4.4	2
176	An Overview of the Derivation and Function of Multinucleated Giant Cells and Their Role in Pathologic Processes. <i>American Journal of Pathology</i> , 2019 , 189, 1145-1158	5.8	40
175	Quantification and Visualization of Neutrophil Extracellular Traps (NETs) from Murine Bone Marrow-Derived Neutrophils. <i>Methods in Molecular Biology</i> , 2019 , 1960, 63-73	1.4	2
174	Human neutrophils degrade methacrylate resin composites and tooth dentin. <i>Acta Biomaterialia</i> , 2019 , 88, 325-331	10.8	6
173	A Novel Anabolic Conjugate (C3) in the Matrix of Dicalcium Phosphate Onlay Block Grafts for Achieving Vertical Bone Augmentation: An Experimental Study on Rabbit Calvaria. <i>International Journal of Oral and Maxillofacial Implants</i> , 2019 , 34, e51-e63	2.8	6
172	PerioVax3, a key antigenic determinant with immunoprotective potential against periodontal pathogen. <i>Microbial Pathogenesis</i> , 2019 , 135, 103661	3.8	1
171	Adseverin modulates morphology and invasive function of MCF7 cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2716-2725	6.9	1
170	In Vivo Bone Effects of a Novel Bisphosphonate-EP4a Conjugate Drug (C3) for Reversing Osteoporotic Bone Loss in an Ovariectomized Rat Model. <i>JBMR Plus</i> , 2019 , 3, e10237	3.9	6
169	Macrophage immunomodulation in chronic osteolytic diseases-the case of periodontitis. <i>Journal of Leukocyte Biology</i> , 2019 , 105, 473-487	6.5	27
168	Novel Assay To Characterize Neutrophil Responses to Oral Biofilms. <i>Infection and Immunity</i> , 2019 , 87,	3.7	15
167	Cadherin-11-mediated adhesion of macrophages to myofibroblasts establishes a profibrotic niche of active TGF- β <i>Science Signaling</i> , 2019 , 12,	8.8	72

166	Bone Grafting 2018 , 155-174		1
165	Bcl10 synergistically links CEACAM3 and TLR-dependent inflammatory signalling. <i>Cellular Microbiology</i> , 2018 , 20, e12788	3.9	6
164	Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. <i>Journal of Periodontology</i> , 2018 , 89 Suppl 1, S74-S84	4.6	191
163	Morphological characterization of para- and proinflammatory neutrophil phenotypes using transmission electron microscopy. <i>Journal of Periodontal Research</i> , 2018 , 53, 972-982	4.3	13
162	Resolving Macrophages Counter Osteolysis by Anabolic Actions on Bone Cells. <i>Journal of Dental Research</i> , 2018 , 97, 1160-1169	8.1	38
161	IL1 β and TNF α promote RANKL-dependent adseverin expression and osteoclastogenesis. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	10
160	Periodontal health and gingival diseases and conditions on an intact and a reduced periodontium: Consensus report of workgroup 1 of the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. <i>Journal of Clinical Periodontology</i> , 2018 , 45 Suppl 20, S68-S77	7.7	167
159	Modulation of osteoclast differentiation and function by Rho GTPases 2018 , 139-160		0
158	Oral and Blood Neutrophil Activation States during Experimental Gingivitis. <i>JDR Clinical and Translational Research</i> , 2018 , 3, 65-75	2.2	12
157	Resveratrol derivative-rich melinjo seed extract induces healing in a murine model of established periodontitis. <i>Journal of Periodontology</i> , 2018 , 89, 586-595	4.6	22
156	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. <i>Cell Reports</i> , 2017 , 18, 2415-2426	10.6	46
155	The Role of NrF2 in the Regulation of Periodontal Health and Disease. <i>Journal of Dental Research</i> , 2017 , 96, 975-983	8.1	31
154	Natural graft tissues and synthetic biomaterials for periodontal and alveolar bone reconstructive applications: a review. <i>Biomaterials Research</i> , 2017 , 21, 9	16.8	155
153	Deletion of Adseverin in Osteoclasts Affects Cell Structure But Not Bone Metabolism. <i>Calcified Tissue International</i> , 2017 , 101, 207-216	3.9	1
152	How does the social "get under the gums"? The role of socio-economic position in the oral-systemic health link. <i>Canadian Journal of Public Health</i> , 2017 , 108, e224-e228	3.2	7
151	The Lipid Kinase PIKfyve Coordinates the Neutrophil Immune Response through the Activation of the Rac GTPase. <i>Journal of Immunology</i> , 2017 , 199, 2096-2105	5.3	18
150	Infection with the Lyme disease pathogen suppresses innate immunity in mice with diet-induced obesity. <i>Cellular Microbiology</i> , 2017 , 19, e12689	3.9	11
149	Analysis of Human and Mouse Neutrophil Phagocytosis by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2017 , 1519, 17-24	1.4	13

148	Collagen based barrier membranes for periodontal guided bone regeneration applications. <i>Odontology / the Society of the Nippon Dental University</i> , 2017 , 105, 1-12	3.6	79
147	Role of the Cytoskeleton in Myeloid Cell Function 2017 , 527-542		
146	GEF-H1 is necessary for neutrophil shear stress-induced migration during inflammation. <i>Journal of Cell Biology</i> , 2016 , 215, 107-119	7.3	32
145	Calcium-sensing receptors signal constitutive macropinocytosis and facilitate the uptake of NOD2 ligands in macrophages. <i>Nature Communications</i> , 2016 , 7, 11284	17.4	81
144	Distinct Oral Neutrophil Subsets Define Health and Periodontal Disease States. <i>Journal of Dental Research</i> , 2016 , 95, 931-8	8.1	74
143	Protein adsorption capability on polyurethane and modified-polyurethane membrane for periodontal guided tissue regeneration applications. <i>Materials Science and Engineering C</i> , 2016 , 68, 267-273	8.2	28
142	Lack of p47(phox) in Akita Diabetic Mice Is Associated with Interstitial Pneumonia, Fibrosis, and Oral Inflammation. <i>American Journal of Pathology</i> , 2016 , 186, 659-70	5.8	4
141	Nuclear Factor Erythroid 2-Related Factor 2 Down-Regulation in Oral Neutrophils Is Associated with Periodontal Oxidative Damage and Severe Chronic Periodontitis. <i>American Journal of Pathology</i> , 2016 , 186, 1417-26	5.8	39
140	Identification of quantitative trait loci influencing inflammation-mediated alveolar bone loss: insights into polygenic inheritance of host-biofilm disequilibria in periodontitis. <i>Journal of Periodontal Research</i> , 2016 , 51, 237-49	4.3	14
139	Identification of neutrophil surface marker changes in health and inflammation using high-throughput screening flow cytometry. <i>Experimental Cell Research</i> , 2016 , 342, 200-9	4.2	77
138	Factors Influencing Adoption of New Technologies into Dental Practice: A Qualitative Study. <i>JDR Clinical and Translational Research</i> , 2016 , 1, 77-85	2.2	11
137	Social-Biological Interactions in Oral Disease: A Cells to Society View. <i>PLoS ONE</i> , 2016 , 11, e0146218	3.7	18
136	Hyperglycemia Impairs Neutrophil-Mediated Bacterial Clearance in Mice Infected with the Lyme Disease Pathogen. <i>PLoS ONE</i> , 2016 , 11, e0158019	3.7	13
135	Nucleic Acid-Targeting Pathways Promote Inflammation in Obesity-Related Insulin Resistance. <i>Cell Reports</i> , 2016 , 16, 717-30	10.6	45
134	Comparison of neutrophil functions between two strains of inbred mice. <i>Microbiology and Immunology</i> , 2016 , 60, 859-863	2.7	1
133	Role of the Cytoskeleton in Myeloid Cell Function. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	2
132	Adseverin plays a role in osteoclast differentiation and periodontal disease-mediated bone loss. <i>FASEB Journal</i> , 2015 , 29, 2281-91	0.9	13
131	Role of actin filaments in fusopod formation and osteoclastogenesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1715-24	4.9	19

130	Deletion of filamin A in monocytes protects cortical and trabecular bone from post-menopausal changes in bone microarchitecture. <i>Calcified Tissue International</i> , 2015 , 97, 113-24	3.9	3
129	Quantitative Trait Loci and Candidate Genes for Neutrophil Recruitment in Sterile Inflammation Mapped in AXB-BXA Recombinant Inbred Mice. <i>PLoS ONE</i> , 2015 , 10, e0124117	3.7	3
128	Quantifying oral inflammatory load: oral neutrophil counts in periodontal health and disease. <i>Journal of Periodontal Research</i> , 2015 , 50, 330-6	4.3	59
127	Long-term neuroplasticity of the face primary motor cortex and adjacent somatosensory cortex induced by tooth loss can be reversed following dental implant replacement in rats. <i>Journal of Comparative Neurology</i> , 2015 , 523, 2372-89	3.4	24
126	Bioaggregate Inhibits Osteoclast Differentiation, Fusion, and Bone Resorption In Vitro. <i>Journal of Endodontics</i> , 2015 , 41, 1500-6	4.7	6
125	Targeting the isoprenoid pathway to abrogate progression of pulmonary fibrosis. <i>Free Radical Biology and Medicine</i> , 2015 , 86, 47-56	7.8	21
124	Neutrophil transcriptional profile changes during transit from bone marrow to sites of inflammation. <i>Cellular and Molecular Immunology</i> , 2015 , 12, 53-65	15.4	37
123	Macrophages, Foreign Body Giant Cells and Their Response to Implantable Biomaterials. <i>Materials</i> , 2015 , 8, 5671-5701	3.5	306
122	Biodegradable Materials for Bone Repair and Tissue Engineering Applications. <i>Materials</i> , 2015 , 8, 5744-5794	3.94	373
121	Mechanisms of Degradation and Resorption of Calcium Phosphate Based Biomaterials. <i>Materials</i> , 2015 , 8, 7913-7925	3.5	111
120	Bone Replacement Materials and Techniques Used for Achieving Vertical Alveolar Bone Augmentation. <i>Materials</i> , 2015 , 8, 2953-2993	3.5	92
119	Oral neutrophil levels: a screening test for oral inflammatory load in pregnancy in a medical setting. <i>Journal of Periodontology</i> , 2015 , 86, 72-81	4.6	8
118	Salivary Cytoprotective Proteins in Inflammation and Resolution during Experimental Gingivitis--A Pilot Study. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015 , 5, 92	5.9	11
117	Probiotic <i>Lactobacillus rhamnosus</i> inhibits the formation of neutrophil extracellular traps. <i>Journal of Immunology</i> , 2014 , 192, 1870-7	5.3	78
116	Neutrophils and oral squamous cell carcinoma: lessons learned and future directions. <i>Journal of Leukocyte Biology</i> , 2014 , 96, 695-702	6.5	27
115	Contrasting phagosome pH regulation and maturation in human M1 and M2 macrophages. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3330-41	3.5	116
114	Neutrophil Dysfunction and Host Susceptibility to Periodontal Inflammation: Current State of Knowledge. <i>Current Oral Health Reports</i> , 2014 , 1, 95-103	1.2	29
113	Rac-null leukocytes are associated with increased inflammation-mediated alveolar bone loss. <i>American Journal of Pathology</i> , 2014 , 184, 472-82	5.8	17

112	Evaluation of periodontal disease and oral inflammatory load in adults with special needs using oral neutrophil quantification. <i>Special Care in Dentistry</i> , 2014 , 34, 303-12	1.7	7
111	The actin binding protein adseverin regulates osteoclastogenesis. <i>PLoS ONE</i> , 2014 , 9, e109078	3.7	18
110	The phosphatidylserine receptor TIM4 utilizes integrins as coreceptors to effect phagocytosis. <i>Molecular Biology of the Cell</i> , 2014 , 25, 1511-22	3.5	74
109	Oral neutrophils are an independent marker of the systemic inflammatory response after cardiac bypass. <i>Journal of Inflammation</i> , 2014 , 11, 32	6.7	9
108	Impaired resolution of inflammation in the Endoglin heterozygous mouse model of chronic colitis. <i>Mediators of Inflammation</i> , 2014 , 2014, 767185	4.3	21
107	Global analysis of neutrophil responses to <i>Neisseria gonorrhoeae</i> reveals a self-propagating inflammatory program. <i>PLoS Pathogens</i> , 2014 , 10, e1004341	7.6	36
106	High-purity neutrophil isolation from human peripheral blood and saliva for transcriptome analysis. <i>Methods in Molecular Biology</i> , 2014 , 1124, 469-83	1.4	4
105	Diabetes mellitus and periodontal diseases. <i>Current Diabetes Reports</i> , 2013 , 13, 445-52	5.6	37
104	The effect of bisphosphonate therapy on neutrophil function: a potential biomarker. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2013 , 42, 619-26	2.9	16
103	Macrophage subsets and osteoimmunology: tuning of the immunological recognition and effector systems that maintain alveolar bone. <i>Periodontology 2000</i> , 2013 , 63, 80-101	12.9	68
102	Oral neutrophils display a site-specific phenotype characterized by expression of T-cell receptors. <i>Journal of Periodontology</i> , 2013 , 84, 1493-503	4.6	26
101	CD109 plays a role in osteoclastogenesis. <i>PLoS ONE</i> , 2013 , 8, e61213	3.7	15
100	Rac2-deficiency leads to exacerbated and protracted colitis in response to <i>Citrobacter rodentium</i> infection. <i>PLoS ONE</i> , 2013 , 8, e61629	3.7	19
99	<i>Treponema denticola</i> major outer sheath protein impairs the cellular phosphoinositide balance that regulates neutrophil chemotaxis. <i>PLoS ONE</i> , 2013 , 8, e66209	3.7	12
98	Oral neutrophil transcriptome changes result in a pro-survival phenotype in periodontal diseases. <i>PLoS ONE</i> , 2013 , 8, e68983	3.7	64
97	Role of PTP α in the destruction of periodontal connective tissues. <i>PLoS ONE</i> , 2013 , 8, e70659	3.7	8
96	Filamin-A regulates neutrophil uropod retraction through RhoA during chemotaxis. <i>PLoS ONE</i> , 2013 , 8, e79009	3.7	19
95	Quantification and visualization of neutrophil extracellular traps (NETs) from murine bone marrow-derived neutrophils. <i>Methods in Molecular Biology</i> , 2013 , 1031, 41-50	1.4	22

94	Disorders of Phagocyte Function 2012 , 1111-1118		1
93	Oral neutrophil quantitation in patients undergoing elective cardiopulmonary bypass. <i>Critical Care</i> , 2012 , 16,	10.8	78
92	A 3D scanning confocal imaging method measures pit volume and captures the role of Rac in osteoclast function. <i>Bone</i> , 2012 , 51, 145-52	4.7	14
91	Zoledronate and pamidronate depress neutrophil functions and survival in mice. <i>British Journal of Pharmacology</i> , 2012 , 165, 532-9	8.6	33
90	The impact of integration of dental services on oral health in long-term care: qualitative analysis. <i>Gerodontology</i> , 2012 , 29, e77-82	2.8	5
89	A non-invasive oral rinse assay predicts bone marrow engraftment and 6 months prognosis following allogeneic hematopoietic stem cell transplantation. <i>Journal of Oral Pathology and Medicine</i> , 2012 , 41, 165-70	3.3	6
88	Macrophage mesenchymal migration requires podosome stabilization by filamin A. <i>Journal of Biological Chemistry</i> , 2012 , 287, 13051-62	5.4	60
87	Osteopetrosis mutation R444L causes endoplasmic reticulum retention and misprocessing of vacuolar H ⁺ -ATPase α 3 subunit. <i>Journal of Biological Chemistry</i> , 2012 , 287, 26829-39	5.4	29
86	NADPH oxidase complex and IBD candidate gene studies: identification of a rare variant in NCF2 that results in reduced binding to RAC2. <i>Gut</i> , 2012 , 61, 1028-35	19.2	129
85	Rho GTPase techniques in osteoclastogenesis. <i>Methods in Molecular Biology</i> , 2012 , 827, 167-79	1.4	4
84	Lactobacillus rhamnosus GG inhibits neutrophil extracellular trap formation. <i>FASEB Journal</i> , 2012 , 26, 394.1	0.9	
83	Single nucleotide polymorphisms that increase expression of the guanosine triphosphatase RAC1 are associated with ulcerative colitis. <i>Gastroenterology</i> , 2011 , 141, 633-41	13.3	58
82	Blockade of TLR2 inhibits Porphyromonas gingivalis suppression of mineralized matrix formation by human dental pulp stem cells. <i>Journal of Endodontics</i> , 2011 , 37, 812-8	4.7	27
81	The GTPase RAC1 is associated with inflammatory bowel disease.O-013.. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S4-S4	4.5	3
80	Rac1 deletion causes thymic atrophy. <i>PLoS ONE</i> , 2011 , 6, e19292	3.7	8
79	Treponema denticola major outer sheath protein induces actin assembly at free barbed ends by a PIP2-dependent uncapping mechanism in fibroblasts. <i>PLoS ONE</i> , 2011 , 6, e23736	3.7	19
78	Sbds is required for Rac2-mediated monocyte migration and signaling downstream of RANK during osteoclastogenesis. <i>Blood</i> , 2011 , 117, 2044-53	2.2	32
77	Rac regulates PtdInsP ₃ signaling and the chemotactic compass through a redox-mediated feedback loop. <i>Blood</i> , 2011 , 118, 6164-71	2.2	56

76	Epithelial-specific knockout of the Rac1 gene leads to enamel defects. <i>European Journal of Oral Sciences</i> , 2011 , 119 Suppl 1, 168-76	2.3	15
75	Deleting Rac1 improves vertebral bone quality and resistance to fracture in a murine ovariectomy model. <i>Osteoporosis International</i> , 2011 , 22, 1481-92	5.3	12
74	Neutrophil functions in patients with inherited bone marrow failure syndromes. <i>Pediatric Blood and Cancer</i> , 2011 , 57, 306-9	3	5
73	Refractory periodontitis population characterized by a hyperactive oral neutrophil phenotype. <i>Journal of Periodontology</i> , 2011 , 82, 726-33	4.6	46
72	Rac2 is required for the formation of neutrophil extracellular traps. <i>Journal of Leukocyte Biology</i> , 2011 , 90, 771-6	6.5	87
71	Aquaporin 9 phosphorylation mediates membrane localization and neutrophil polarization. <i>Journal of Leukocyte Biology</i> , 2011 , 90, 963-73	6.5	38
70	Diabetes and periodontal diseases: interplay and links. <i>Current Diabetes Reviews</i> , 2011 , 7, 433-9	2.7	80
69	Pivotal Advance: Phospholipids determine net membrane surface charge resulting in differential localization of active Rac1 and Rac2. <i>Journal of Leukocyte Biology</i> , 2010 , 87, 545-55	6.5	42
68	Neural crest cell-specific deletion of Rac1 results in defective cell-matrix interactions and severe craniofacial and cardiovascular malformations. <i>Developmental Biology</i> , 2010 , 340, 613-25	3.1	43
67	Filamin A regulates monocyte migration through Rho small GTPases during osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2010 , 25, 1077-91	6.3	51
66	Activation of antibacterial autophagy by NADPH oxidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6226-31	11.5	449
65	Human neutrophils coordinate chemotaxis by differential activation of Rac1 and Rac2. <i>Journal of Immunology</i> , 2009 , 183, 2718-28	5.3	49
64	Adaptor protein SLAT modulates Fcγ receptor-mediated phagocytosis in murine macrophages. <i>Journal of Biological Chemistry</i> , 2009 , 284, 11882-91	5.4	8
63	A common cofilin activity cycle in invasive tumor cells and inflammatory cells. <i>Journal of Cell Science</i> , 2009 , 122, 305-11	5.3	98
62	The axonal repellent, Slit2, inhibits directional migration of circulating neutrophils. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 1403-15	6.5	62
61	Modulation of reactive oxygen species by Rac1 or catalase prevents asbestos-induced pulmonary fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 297, L846-55	5.8	59
60	Rac1 and Rac2 in osteoclastogenesis: a cell immortalization model. <i>Calcified Tissue International</i> , 2009 , 85, 257-66	3.9	7
59	Nitric oxide enhances osteoclastogenesis possibly by mediating cell fusion. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 21, 27-36	5	41

58	Filamin A regulates cell spreading and survival via beta1 integrins. <i>Experimental Cell Research</i> , 2008 , 314, 834-46	4.2	59
57	Integrin beta 1 regulates phagosome maturation in macrophages through Rac expression. <i>Journal of Immunology</i> , 2008 , 180, 2419-28	5.3	45
56	Requirement for Vav proteins in post-recruitment neutrophil cytotoxicity in IgG but not complement C3-dependent injury. <i>Journal of Immunology</i> , 2008 , 180, 6279-87	5.3	18
55	The major outer sheath protein of <i>Treponema denticola</i> selectively inhibits Rac1 activation in murine neutrophils. <i>Cellular Microbiology</i> , 2008 , 10, 344-54	3.9	22
54	Identifying the relative contributions of Rac1 and Rac2 to osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2008 , 23, 260-70	6.3	103
53	<i>Treponema denticola</i> Msp-deduced peptide conjugate, P34BSA, promotes RhoA-dependent actin stress fiber formation independent of its internalization by fibroblasts. <i>Cytoskeleton</i> , 2008 , 65, 406-21		4
52	Role of Rac1 in a bleomycin-induced scleroderma model using fibroblast-specific Rac1-knockout mice. <i>Arthritis and Rheumatism</i> , 2008 , 58, 2189-95		30
51	A hyperactive neutrophil phenotype in patients with refractory periodontitis. <i>Journal of Periodontology</i> , 2007 , 78, 1788-94	4.6	43
50	An actin-stabilizing peptide conjugate deduced from the major outer sheath protein of the bacterium <i>Treponema denticola</i> . <i>Cytoskeleton</i> , 2007 , 64, 662-74		6
49	Oral health-related quality of life of children with neutropenia. <i>Special Care in Dentistry</i> , 2007 , 27, 6-11	1.7	7
48	Prevalence of oral diseases in Shwachman-Diamond syndrome. <i>Special Care in Dentistry</i> , 2007 , 27, 52-8	1.7	10
47	Role of osteopontin in neutrophil function. <i>Immunology</i> , 2007 , 122, 466-75	7.8	112
46	Expression and translocation of fluorescent-tagged p21-activated kinase-binding domain and PH domain of protein kinase B during murine neutrophil chemotaxis. <i>Journal of Leukocyte Biology</i> , 2007 , 82, 559-66	6.5	17
45	Rac1 and Rac2 differentially regulate actin free barbed end formation downstream of the fMLP receptor. <i>Journal of Cell Biology</i> , 2007 , 179, 239-45	7.3	96
44	Genetic ablation of Rac1 in cartilage results in chondrodysplasia. <i>Developmental Biology</i> , 2007 , 306, 612-33		82
43	Quantifying and localizing actin-free barbed ends in neutrophils. <i>Methods in Molecular Biology</i> , 2007 , 412, 231-7	1.4	
42	Vav proteins in neutrophils are required for FcgammaR-mediated signaling to Rac GTPases and nicotinamide adenine dinucleotide phosphate oxidase component p40(phox). <i>Journal of Immunology</i> , 2006 , 177, 6388-97	5.3	67
41	Modulation of human neutrophil functions in vitro by <i>Treponema denticola</i> major outer sheath protein. <i>Infection and Immunity</i> , 2006 , 74, 1954-7	3.7	27

40	Requirements for Vav guanine nucleotide exchange factors and Rho GTPases in FcγR- and complement-mediated phagocytosis. <i>Immunity</i> , 2006 , 24, 305-16	32-3	147
39	CD44 is a phagocytic receptor. <i>Blood</i> , 2006 , 107, 4149-58	2.2	99
38	Rac1 links leading edge and uropod events through Rho and myosin activation during chemotaxis. <i>Blood</i> , 2006 , 108, 2814-20	2.2	81
37	Timing of neutrophil tissue repopulation predicts restoration of innate immune protection in a murine bone marrow transplantation model. <i>Blood</i> , 2006 , 108, 2821-6	2.2	35
36	Novel rinse assay for the quantification of oral neutrophils and the monitoring of chronic periodontal disease. <i>Journal of Periodontal Research</i> , 2006 , 41, 214-20	4-3	54
35	Sbds Deficient Neutrophils Exhibit Normal Numbers, Chemotaxis and Phagocytic Functions, but Impaired NADPH Oxidase Activity.. <i>Blood</i> , 2006 , 108, 1634-1634	2.2	
34	Stem cell depletion through epidermal deletion of Rac1. <i>Science</i> , 2005 , 309, 933-5	33-3	227
33	A noninvasive oral rinse assay to monitor engraftment, neutrophil tissue delivery and susceptibility to infection following HSCT in pediatric patients. <i>Bone Marrow Transplantation</i> , 2005 , 36, 227-32	4-4	23
32	The role of Rac1 and Rac2 in bacterial killing. <i>Cellular Immunology</i> , 2005 , 235, 92-7	4-4	44
31	Innate immunity and arthritis: neutrophil Rac and toll-like receptor 4 expression define outcomes in infection-triggered arthritis. <i>Arthritis and Rheumatism</i> , 2005 , 52, 1297-304		45
30	The <i>N. gonorrhoeae</i> type IV pilus stimulates mechanosensitive pathways and cytoprotection through a pilT-dependent mechanism. <i>PLoS Biology</i> , 2005 , 3, e100	9-7	72
29	Control of neutrophil pseudopods by fluid shear: role of Rho family GTPases. <i>American Journal of Physiology - Cell Physiology</i> , 2005 , 288, C863-71	5-4	35
28	Cytosolic phospholipase A2-α is necessary for platelet-activating factor biosynthesis, efficient neutrophil-mediated bacterial killing, and the innate immune response to pulmonary infection: cPLA2-α does not regulate neutrophil NADPH oxidase activity. <i>Journal of Biological Chemistry</i> , 2005 , 280, 7519-29	5-4	83
27	Induction of de novo subcortical actin filament assembly by <i>Treponema denticola</i> major outer sheath protein. <i>Infection and Immunity</i> , 2004 , 72, 3650-4	3-7	23
26	Gelsolin mediates collagen phagocytosis through a rac-dependent step. <i>Molecular Biology of the Cell</i> , 2004 , 15, 588-99	3-5	47
25	Polarization and directed migration of murine neutrophils is dependent on cell surface expression of CD44. <i>Cellular Immunology</i> , 2004 , 231, 146-57	4-4	48
24	Cytoskeletal remodeling in leukocyte function. <i>Current Opinion in Hematology</i> , 2004 , 11, 15-24	3-3	74
23	Rac1 is the small GTPase responsible for regulating the neutrophil chemotaxis compass. <i>Blood</i> , 2004 , 104, 3758-65	2.2	160

22	Time scale and other invariants of integrative mechanical behavior in living cells. <i>Physical Review E</i> , 2003 , 68, 041914	2.4	271
21	Rac1 deletion in mouse neutrophils has selective effects on neutrophil functions. <i>Journal of Immunology</i> , 2003 , 170, 5652-7	5.3	251
20	A mouse model of TSC1 reveals sex-dependent lethality from liver hemangiomas, and up-regulation of p70S6 kinase activity in Tsc1 null cells. <i>Human Molecular Genetics</i> , 2002 , 11, 525-34	5.6	489
19	Chemotactic signaling pathways in neutrophils: from receptor to actin assembly. <i>Critical Reviews in Oral Biology and Medicine</i> , 2002 , 13, 220-8		84
18	Endocytic protein intersectin-1 regulates actin assembly via Cdc42 and N-WASP. <i>Nature Cell Biology</i> , 2001 , 3, 927-32	23.4	312
17	Scaling the microrheology of living cells. <i>Physical Review Letters</i> , 2001 , 87, 148102	7.4	897
16	Intracellular osteopontin is an integral component of the CD44-ERM complex involved in cell migration. <i>Journal of Cellular Physiology</i> , 2000 , 184, 118-30	7	216
15	Two pathways through Cdc42 couple the N-formyl receptor to actin nucleation in permeabilized human neutrophils. <i>Journal of Cell Biology</i> , 2000 , 150, 785-96	7.3	103
14	Intracellular osteopontin is an integral component of the CD44-ERM complex involved in cell migration 2000 , 184, 118		6
13	Regulation of stretch-activated intracellular calcium transients by actin filaments. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 261, 419-25	3.4	75
12	Specific inhibition of skeletal β -actin gene transcription by applied mechanical forces through integrins and actin. <i>Biochemical Journal</i> , 1999 , 341, 647	3.8	16
11	A new method for application of force to cells via ferric oxide beads. <i>Pflugers Archiv European Journal of Physiology</i> , 1998 , 435, 320-7	4.6	48
10	Cell-substrate separation: effect of applied force and temperature. <i>European Biophysics Journal</i> , 1998 , 27, 9-17	1.9	31
9	The role of actin-binding protein 280 in integrin-dependent mechanoprotection. <i>Journal of Biological Chemistry</i> , 1998 , 273, 1689-98	5.4	196
8	Treponema denticola outer membrane inhibits calcium flux in gingival fibroblasts. <i>Infection and Immunity</i> , 1998 , 66, 703-9	3.7	23
7	Calcium ions and tyrosine phosphorylation interact coordinately with actin to regulate cytoprotective responses to stretching. <i>Journal of Cell Science</i> , 1997 , 110, 11-21	5.3	157
6	Calcium ions and tyrosine phosphorylation interact coordinately with actin to regulate cytoprotective responses to stretching. <i>Journal of Cell Science</i> , 1997 , 110 (Pt 1), 11-21	5.3	52
5	Magnetic fields applied to collagen-coated ferric oxide beads induce stretch-activated Ca ²⁺ flux in fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 1995 , 269, C1093-104	5.4	134

4	Induced endocytosis in human fibroblasts by electrical fields. <i>Experimental Cell Research</i> , 1993 , 208, 232-40	4.0	46
3	Introduction of large molecules into viable fibroblasts by electroporation: optimization of loading and identification of labeled cellular compartments. <i>Experimental Cell Research</i> , 1992 , 200, 227-34	4.2	44
2	The Advent of COVID-19; Periodontal Research Has Identified Therapeutic Targets for Severe Respiratory Disease; an Example of Parallel Biomedical Research Agendas. <i>Frontiers in Dental Medicine</i> , 2,	1.8	1
1	Comprehensive Treatment Planning for the Patient with Oral or Systemic Inflammation	63-84	