

Guy H Carpenter

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,679
citations

201385

27
h-index

189595

50
g-index

77
all docs

77
docs citations

77
times ranked

3085
citing authors

#	ARTICLE	IF	CITATIONS
1	Duration of tooth alignment with fixed appliances: A systematic review and meta-analysis. American Journal of Orthodontics and Dentofacial Orthopedics, 2022, 161, 20-36.	0.8	7
2	Salivary bacterial community profile in normal-weight and obese adolescent patients prior to orthodontic treatment with fixed appliances. Orthodontics and Craniofacial Research, 2022, .	1.2	3
3	The impact of obesity on orthodontic treatment outcome in adolescents: a prospective clinical cohort study. European Journal of Orthodontics, 2021, 43, 165-172.	1.1	2
4	Effects of beverage carbonation on lubrication mechanisms and mouthfeel. Journal of Colloid and Interface Science, 2021, 586, 142-151.	5.0	8
5	Endogenous salivary citrate is associated with enhanced rheological properties following oral capsaicin stimulation. Experimental Physiology, 2020, 105, 96-107.	0.9	14
6	Agonists of Orally Expressed TRP Channels Stimulate Salivary Secretion and Modify the Salivary Proteome. Molecular and Cellular Proteomics, 2020, 19, 1664-1676.	2.5	10
7	The Origins of Salivary Vitamin A, Vitamin B12 and Vitamin D-Binding Proteins. Nutrients, 2020, 12, 3838.	1.7	4
8	Differences in the Natural Enamel Surface and Acquired Enamel Pellicle following Exposure to Citric or Hydrochloric Acid. Caries Research, 2020, 54, 226-233.	0.9	3
9	Salivary Metabolomics: From Diagnostic Biomarker Discovery to Investigating Biological Function. Metabolites, 2020, 10, 47.	1.3	89
10	Proteins from whole mouth saliva mediate greater protection against severe erosive tooth wear than proteins from parotid saliva using an in vitro model. Journal of Dentistry, 2020, 95, 103319.	1.7	4
11	Evidence for Proline Utilization by Oral Bacterial Biofilms Grown in Saliva. Frontiers in Microbiology, 2020, 11, 619968.	1.5	8
12	Predictive value of ultrasound scoring in relation to clinical and histological parameters in xerostomia patients. Oral Diseases, 2019, 25, 150-157.	1.5	7
13	Targeting macrophages and their recruitment in the oral cavity using swellable (+) alpha tocopheryl phosphate nanostructures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102010.	1.7	2
14	Anatomical stability of human fungiform papillae and relationship with oral perception measured by salivary response and intensity rating. Scientific Reports, 2019, 9, 9759.	1.6	13
15	Reduced Salivary Mucin Binding and Glycosylation in Older Adults Influences Taste in an In Vitro Cell Model. Nutrients, 2019, 11, 2280.	1.7	32
16	Mixed aerobic-anaerobic incubation conditions induce proteolytic activity from in vitro salivary biofilms. Journal of Oral Microbiology, 2019, 11, 1643206.	1.2	8
17	Altered Salivary Flow, Protein Composition, and Rheology Following Taste and TRP Stimulation in Older Adults. Frontiers in Physiology, 2019, 10, 652.	1.3	33
18	Determining bacterial and host contributions to the human salivary metabolome. Journal of Oral Microbiology, 2019, 11, 1617014.	1.2	40

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19	A cross-sectional cohort study of gingival crevicular fluid biomarkers in normal-weight and obese subjects during orthodontic treatment with fixed appliances. <i>Angle Orthodontist</i> , 2019, 89, 930-935.	1.1	7
20	Wine astringency reduces flavor intensity of Brussels sprouts. <i>Journal of Texture Studies</i> , 2019, 50, 71-74.	1.1	10
21	Diminishing biofilm resistance to antimicrobial nanomaterials through electrolyte screening of electrostatic interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 392-399.	2.5	34
22	Saliva and Gingival Crevicular Fluid: Contributions to Mucosal Defense. , 2018, , 91-103.		1
23	Developing and Standardizing a Protocol for Quantitative Proton Nuclear Magnetic Resonance (¹ H NMR) Spectroscopy of Saliva. <i>Journal of Proteome Research</i> , 2018, 17, 1521-1531.	1.8	52
24	Soft, adhesive (+) alpha tocopherol phosphate planar bilayers that control oral biofilm growth through a substantive antimicrobial effect. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2307-2316.	1.7	9
25	Caspases are key regulators of inflammatory and innate immune responses mediated by TLR3 in vivo. <i>Molecular Immunology</i> , 2018, 94, 190-199.	1.0	10
26	The effect of obesity on orofacial pain during early orthodontic treatment with fixed appliances: a prospective cohort study. <i>European Journal of Orthodontics</i> , 2018, 40, 343-349.	1.1	6
27	Epithelial disruptions, but not immune cell invasion, induced secretory dysfunction following innate immune activation in a novel model of acute salivary gland injury. <i>Journal of Oral Pathology and Medicine</i> , 2018, 47, 211-219.	1.4	2
28	Artificial salivas. <i>Clinical Dentistry Reviewed</i> , 2018, 2, 1.	0.1	2
29	Inducible nitric oxide synthase-mediated injury in a mouse model of acute salivary gland dysfunction. <i>Nitric Oxide - Biology and Chemistry</i> , 2018, 78, 95-102.	1.2	5
30	Salivary S100A8/A9 in Sjögren's syndrome accompanied by lymphoma. <i>Journal of Oral Pathology and Medicine</i> , 2018, 47, 900-906.	1.4	17
31	The mucosal pellicle – An underestimated factor in oral physiology. <i>Archives of Oral Biology</i> , 2017, 80, 144-152.	0.8	71
32	The presence of acquired enamel pellicle changes acid-induced erosion from dissolution to a softening process. <i>Scientific Reports</i> , 2017, 7, 10920.	1.6	20
33	Sensory effects of transient receptor potential channel agonists on whole mouth saliva extensional rheology. <i>Journal of Texture Studies</i> , 2017, 48, 313-317.	1.1	8
34	Altered autophagy and sympathetic innervation in salivary glands from high-fat diet mice. <i>Archives of Oral Biology</i> , 2017, 75, 107-113.	0.8	5
35	Reduced statherin in acquired enamel pellicle on eroded teeth compared to healthy teeth in the same subjects: An in-vivo study. <i>PLoS ONE</i> , 2017, 12, e0183660.	1.1	23
36	Measurement of intracellular calcium of submandibular glands using a high throughput plate reader. <i>Journal of Biological Methods</i> , 2017, 4, e74.	1.0	3

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37	Regulation of Salivary Secretion. , 2017, , 207-215.		1
38	Masticatory function, taste, and salivary flow in young healthy adults. <i>Journal of Oral Science</i> , 2016, 58, 391-399.	0.7	13
39	Reduced Mucin-7 (Muc7) Sialylation and Altered Saliva Rheology in Sjögren's Syndrome Associated Oral Dryness. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1048-1059.	2.5	74
40	SlgA Binding to Mucosal Surfaces Is Mediated by Mucin-Mucin Interactions. <i>PLoS ONE</i> , 2015, 10, e0119677.	1.1	48
41	Factors That Influence the Extensional Rheological Property of Saliva. <i>PLoS ONE</i> , 2015, 10, e0135792.	1.1	43
42	Artificial Salivas: Why Are They Not More Useful?. , 2015, , 165-173.		4
43	Salivary Secretion: Mechanism and Neural Regulation. <i>Monographs in Oral Science</i> , 2014, 24, 14-29.	0.9	130
44	What interactions drive the salivary mucosal pellicle formation?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 120, 184-192.	2.5	74
45	The Secretion, Components, and Properties of Saliva. <i>Annual Review of Food Science and Technology</i> , 2013, 4, 267-276.	5.1	335
46	IS THE MOUTHWATERING SENSATION A TRUE SALIVARY REFLEX?. <i>Journal of Texture Studies</i> , 2011, 42, 212-216.	1.1	23
47	Normal and frictional interactions of purified human statherin adsorbed on molecularly-smooth solid substrata. <i>Biofouling</i> , 2011, 27, 823-835.	0.8	26
48	Inducible nitric oxide synthase increases secretion from inflamed salivary glands. <i>Rheumatology</i> , 2010, 49, 48-56.	0.9	23
49	Salivary Gland Regeneration. <i>Frontiers of Oral Biology</i> , 2010, 14, 107-128.	1.5	12
50	Regeneration of acinar cells following ligation of rat submandibular gland retraces the embryonic-perinatal pathway of cytodifferentiation. <i>Differentiation</i> , 2010, 79, 120-130.	1.0	47
51	Deproteinization Effects of NaOCl on Acid-etched Dentin in Clinically-relevant vs Prolonged Periods of Application. A Confocal and Environmental Scanning Electron Microscopy Study. <i>Operative Dentistry</i> , 2009, 34, 166-173.	0.6	21
52	Altered plasticity of the parasympathetic innervation in the recovering rat submandibular gland following extensive atrophy. <i>Experimental Physiology</i> , 2009, 94, 213-219.	0.9	23
53	Early markers of regeneration following ductal ligation in rat submandibular gland. <i>Cell and Tissue Research</i> , 2008, 332, 227-235.	1.5	50
54	Selection of housekeeping genes for gene expression studies in the adult rat submandibular gland under normal, inflamed, atrophic and regenerative states. <i>BMC Molecular Biology</i> , 2008, 9, 64.	3.0	57

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55	A physiological model of tea-induced astringency. <i>Physiology and Behavior</i> , 2008, 95, 290-294.	1.0	89
56	Innervation and Secretory Function of Transplanted Human Submandibular Salivary Glands. <i>Transplantation</i> , 2008, 85, 135-140.	0.5	45
57	Regulation of salivary gland function by autonomic nerves. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 133, 3-18.	1.4	569
58	Rat salivary gland ligation causes reversible secretory hypofunction. <i>Acta Physiologica</i> , 2007, 189, 241-249.	1.8	38
59	Recovery of rat submandibular salivary gland function following removal of obstruction: a sialometrical and sialochemical study. <i>International Journal of Experimental Pathology</i> , 2006, 87, 411-423.	0.6	36
60	A statherin and calcium enriched layer at the air interface of human parotid saliva. <i>Biochemical Journal</i> , 2005, 389, 111-116.	1.7	78
61	An in vitro model of chlorhexidine-induced tooth staining. <i>Journal of Periodontal Research</i> , 2005, 40, 225-230.	1.4	32
62	Preganglionic parasympathectomy decreases salivary SIgA secretion rates from the rat submandibular gland. <i>Journal of Neuroimmunology</i> , 2005, 160, 4-11.	1.1	28
63	Secretion of IgA by rat parotid and submandibular cells in response to autonomimetic stimulation in vitro. <i>International Immunopharmacology</i> , 2004, 4, 1005-1014.	1.7	49
64	Neural control of salivary S-IgA secretion. <i>International Review of Neurobiology</i> , 2002, 52, 187-212.	0.9	32
65	Double electrophoretic separation and lectin analyses of the component chains of secretory immunoglobulin A from human saliva. <i>Electrophoresis</i> , 2000, 21, 1446-1453.	1.3	4
66	Sialochemical markers of salivary gland involvement with Sjogren's syndrome secondary to rheumatoid arthritis and primary biliary cirrhosis. <i>Journal of Oral Pathology and Medicine</i> , 2000, 29, 452-459.	1.4	16
67	Double electrophoretic separation and lectin analyses of the component chains of secretory immunoglobulin A from human saliva. , 2000, 21, 1446.		1
68	Immunoglobulin A secretion into saliva during dual sympathetic and parasympathetic nerve stimulation of rat submandibular glands. <i>Experimental Physiology</i> , 2000, 85, 281-6.	0.9	13
69	Lectin binding studies of parotid salivary glycoproteins in Sjogren's syndrome. <i>Electrophoresis</i> , 1999, 20, 2124-2132.	1.3	7
70	127 O-Glycosylation of salivary IgA as determined by lectin analysis. <i>Biochemical Society Transactions</i> , 1997, 25, S659-S659.	1.6	7
71	Glycoproteins in human parotid saliva assessed by lectin probes after resolution by sodium dodecyl sulphate-polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 1996, 17, 91-97.	1.3	34