

Stefan Ruhl

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,103
citations

186265

28
h-index

243625

44
g-index

61
all docs

61
docs citations

61
times ranked

2581
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteome analysis of glandular parotid and submandibular-sublingual saliva in comparison to whole human saliva by two-dimensional gel electrophoresis. <i>Proteomics</i> , 2006, 6, 1631-1639.	2.2	130
2	Identification and characterization of binding properties of <i>Helicobacter pylori</i> by glycoconjugate arrays. <i>Glycobiology</i> , 2005, 15, 700-708.	2.5	100
3	Influences of protein films on antibacterial or bacteria-repellent surface coatings in a model system using silicon wafers. <i>Biomaterials</i> , 2009, 30, 4921-4929.	11.4	98
4	Veiled accessory cells deduced from monocytes. <i>Immunobiology</i> , 1987, 176, 154-166.	1.9	93
5	Outer Membrane Protein Expression Profile in <i>Helicobacter pylori</i> Clinical Isolates. <i>Infection and Immunity</i> , 2009, 77, 3782-3790.	2.2	88
6	Salivary Receptors for the Proline-rich Protein-binding and Lectin-like Adhesins of Oral Actinomyces and Streptococci. <i>Journal of Dental Research</i> , 2004, 83, 505-510.	5.2	83
7	Independent amylase gene copy number bursts correlate with dietary preferences in mammals. <i>ELife</i> , 2019, 8, .	6.0	78
8	Glycan recognition at the saliva oral microbiome interface. <i>Cellular Immunology</i> , 2018, 333, 19-33.	3.0	77
9	Oral Streptococci Utilize a Siglec-Like Domain of Serine-Rich Repeat Adhesins to Preferentially Target Platelet Sialoglycans in Human Blood. <i>PLoS Pathogens</i> , 2014, 10, e1004540.	4.7	75
10	A specific cell surface antigen of <i>Streptococcus gordonii</i> is associated with bacterial hemagglutination and adhesion to alpha2-3-linked sialic acid-containing receptors. <i>Infection and Immunity</i> , 1997, 65, 5042-5051.	2.2	75
11	<i>Helicobacter pylori</i> in human oral cavity and stomach. <i>European Journal of Oral Sciences</i> , 2008, 116, 297-304.	1.5	69
12	The scientific exploration of saliva in the post-proteomic era: from database back to basic function. <i>Expert Review of Proteomics</i> , 2012, 9, 85-96.	3.0	69
13	Identification of Polymorphonuclear Leukocyte and HL-60 Cell Receptors for Adhesins of <i>Streptococcus gordonii</i> and <i>Actinomyces naeslundii</i> . <i>Infection and Immunity</i> , 2000, 68, 6346-6354.	2.2	60
14	Archaic Hominin Introgression in Africa Contributes to Functional Salivary MUC7 Genetic Variation. <i>Molecular Biology and Evolution</i> , 2017, 34, 2704-2715.	8.9	57
15	Functional Specialization of Human Salivary Glands and Origins of Proteins Intrinsic to Human Saliva. <i>Cell Reports</i> , 2020, 33, 108402.	6.4	54
16	Recognition of immunoglobulin A1 by oral actinomyces and streptococcal lectins. <i>Infection and Immunity</i> , 1996, 64, 5421-5424.	2.2	53
17	Adenosine and Its Derivatives Control Human Monocyte Differentiation Into Highly Accessory Cells Versus Macrophages. <i>Journal of Leukocyte Biology</i> , 1990, 47, 429-439.	3.3	51
18	Salivary Proteins and Cytokines in Drug-induced Gingival Overgrowth. <i>Journal of Dental Research</i> , 2004, 83, 322-326.	5.2	48

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19	<i>Helicobacter pylori</i> Adhesion to Carbohydrates. <i>Methods in Enzymology</i> , 2006, 417, 293-339.	1.0	46
20	Identification of glycoprotein receptors within the human salivary proteome for the lectin-like BabA and SabA adhesins of <i>Helicobacter pylori</i> by fluorescence-based bacterial overlay. <i>Proteomics</i> , 2009, 9, 1582-1592.	2.2	44
21	The impact of dendrimer-grafted modifications to model silicon surfaces on protein adsorption and bacterial adhesion. <i>Biomaterials</i> , 2011, 32, 9168-9179.	11.4	43
22	Proteins in Whole Saliva during the First Year of Infancy. <i>Journal of Dental Research</i> , 2005, 84, 29-34.	5.2	39
23	Adhesion of viridans group streptococci to sialic acid-, galactose- and N-acetylgalactosamine-containing receptors. <i>Oral Microbiology and Immunology</i> , 2002, 17, 257-262.	2.8	37
24	Modified Sialic Acids on Mucus and Erythrocytes Inhibit Influenza A Virus Hemagglutinin and Neuraminidase Functions. <i>Journal of Virology</i> , 2020, 94, .	3.4	35
25	Specific Inhibitors of Bacterial Adhesion: Observations From the Study of Gram-Positive Bacteria that Initiate Biofilm Formation on the Tooth Surface. <i>Advances in Dental Research</i> , 1997, 11, 168-175.	3.6	34
26	Host Defense Proteins Derived from Human Saliva Bind to <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2013, 81, 1364-1373.	2.2	33
27	Fluorescence-Based Bacterial Overlay Method for Simultaneous In Situ Quantification of Surface-Attached Bacteria. <i>Applied and Environmental Microbiology</i> , 2007, 73, 2653-2660.	3.1	30
28	Surface-immobilized PAMAM-dendrimers modified with cationic or anionic terminal functions: Physicochemical surface properties and conformational changes after application of liquid interface stress. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 179-190.	9.4	30
29	Recent evolution of the salivary mucin MUC7. <i>Scientific Reports</i> , 2016, 6, 31791.	3.3	30
30	Salivary protein adsorption and <i>Streptococcus gordonii</i> adhesion to dental material surfaces. <i>Dental Materials</i> , 2013, 29, 1080-1089.	3.5	27
31	The Human Salivary Proteome Wiki: A Community-Driven Research Platform. <i>Journal of Dental Research</i> , 2021, 100, 1510-1519.	5.2	27
32	Chemiluminescence-based detection and comparison of protein amounts adsorbed on differently modified silica surfaces. <i>Analytical Biochemistry</i> , 2006, 359, 194-202.	2.4	24
33	Putative glycoprotein and glycolipid polymorphonuclear leukocyte receptors for the <i>Actinomyces naeslundii</i> WVU45 fimbrial lectin. <i>Infection and Immunity</i> , 1995, 63, 2625-2631.	2.2	24
34	Adhesion of eukaryotic cells and <i>Staphylococcus aureus</i> to silicon model surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 817-827.	4.0	23
35	Regulation of interleukin-4 receptors on murine myeloid progenitor cells by interleukin-6. <i>Blood</i> , 1991, 78, 1678-1684.	1.4	22
36	Integrity of Proteins in Human Saliva after Sterilization by Gamma Irradiation. <i>Applied and Environmental Microbiology</i> , 2011, 77, 749-755.	3.1	22

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37	Absence of capsule reveals glycan-mediated binding and recognition of salivary mucin MUC7 by <i>Streptococcus pneumoniae</i> . <i>Molecular Oral Microbiology</i> , 2016, 31, 175-188.	2.7	21
38	Resemblance of salivary protein profiles between children with early childhood caries and caries-free controls. <i>European Journal of Oral Sciences</i> , 2009, 117, 369-373.	1.5	20
39	Human and Nonhuman Primate Lineage-Specific Footprints in the Salivary Proteome. <i>Molecular Biology and Evolution</i> , 2020, 37, 395-405.	8.9	19
40	Probing of Microbial Biofilm Communities for Coadhesion Partners. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6583-6590.	3.1	17
41	Dissociation of early and late markers of murine myeloid differentiation by interferon-gamma and interleukin-6. <i>Journal of Cellular Physiology</i> , 1993, 155, 130-138.	4.1	14
42	Implications of salivary protein binding to commensal and pathogenic bacteria. <i>Journal of Oral Biosciences</i> , 2013, 55, 169-174.	2.2	13
43	Induction of interferon- β and 2',5'-oligoadenylate synthetase mRNAs by interleukin 6 during differentiation of murine myeloid cells. <i>Cytokine</i> , 1990, 2, 238-246.	3.2	11
44	Saliva-Microbe Interactions and Salivary Gland Dysfunction. <i>Advances in Dental Research</i> , 2014, 26, 7-14.	3.6	10
45	Soluble interleukin-4 receptor production by murine myeloid progenitor cells: Induction by interleukin-6 and interferon- β . <i>Cytokine</i> , 1993, 5, 144-149.	3.2	9
46	Saliva and Serum Protein Adsorption on Chemically Modified Silica Surfaces. <i>Journal of Dental Research</i> , 2021, 100, 1047-1054.	5.2	9
47	Regulation of interleukin-4 receptors on murine myeloid progenitor cells by interleukin-6. <i>Blood</i> , 1991, 78, 1678-84.	1.4	9
48	Identification of Polymorphonuclear Leukocyte and HL-60 Cell Receptors for Adhesins of <i>Streptococcus gordonii</i> and <i>Actinomyces naeslundii</i> . <i>Infection and Immunity</i> , 2000, 68, 6346-6354.	2.2	7
49	Transient expression of the IL-2 receptor alpha-chain in IL-6-induced myeloid cells is regulated by autocrine production of prostaglandin E2. <i>Experimental Hematology</i> , 1992, 20, 619-25.	0.4	7
50	The Crossroads of Glycoscience, Infection, and Immunology. <i>Frontiers in Microbiology</i> , 2021, 12, 731008.	3.5	3
51	Interleukin 1 augments the expression of the interleukin 2 receptor alpha-chain in interleukin 6-stimulated myeloid cells by a transcriptional and posttranscriptional mechanism. <i>Experimental Hematology</i> , 1992, 20, 1208-15.	0.4	2
52	Who needs spit?. <i>Clinical Oral Investigations</i> , 2003, 7, 121-122.	3.0	0
53	Characterization and clean-up proposal for a chromium(VI) contaminated site in Mexico. <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2007, 158, 145-164.	0.4	0
54	Interferon-gamma antagonizes interleukin-6-induced expression of interleukin-4 receptors in murine myeloid cells by a transcriptional mechanism. <i>Blood</i> , 1993, 82, 2641-2648.	1.4	0

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55	Functional Specialization of Human Salivary Glands and Origins of Proteins Intrinsic to Human Saliva. SSRN Electronic Journal, 0, , .	0.4	0