

# Chamindie K Punyadeera

## List of Publications by Year in descending order

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Version: 2024-02-01

103  
papers

4,856  
citations

94381

37  
h-index

102432

66  
g-index

105  
all docs

105  
docs citations

105  
times ranked

6592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic Potential of Saliva: Current State and Future Applications. <i>Clinical Chemistry</i> , 2011, 57, 675-687.	1.5	586
2	Diagnostics for SARS-CoV-2 infections. <i>Nature Materials</i> , 2021, 20, 593-605.	13.3	533
3	Evaluation of saliva collection devices for the analysis of proteins. <i>Clinica Chimica Acta</i> , 2012, 413, 1066-1070.	0.5	143
4	Circulating biomarkers in patients with glioblastoma. <i>British Journal of Cancer</i> , 2020, 122, 295-305.	2.9	140
5	Isolation of circulating tumor cells in non-small-cell-lung-cancer patients using a multi-flow microfluidic channel. <i>Microsystems and Nanoengineering</i> , 2019, 5, 8.	3.4	138
6	Saliva proteome research: current status and future outlook. <i>Critical Reviews in Biotechnology</i> , 2013, 33, 246-259.	5.1	127
7	The impact of saliva collection and processing methods on CRP, IgE, and Myoglobin immunoassays. <i>Clinical and Translational Medicine</i> , 2012, 1, 19.	1.7	123
8	A novel saliva-based microRNA biomarker panel to detect head and neck cancers. <i>Cellular Oncology (Dordrecht)</i> , 2014, 37, 331-338.	2.1	120
9	Oral Microbiome: A New Biomarker Reservoir for Oral and Oropharyngeal Cancers. <i>Theranostics</i> , 2017, 7, 4313-4321.	4.6	105
10	The saliva microbiome profiles are minimally affected by collection method or DNA extraction protocols. <i>Scientific Reports</i> , 2017, 7, 8523.	1.6	103
11	One-step homogeneous C-reactive protein assay for saliva. <i>Journal of Immunological Methods</i> , 2011, 373, 19-25.	0.6	98
12	Current trends in the etiology and diagnosis of HPV-related head and neck cancers. <i>Cancer Medicine</i> , 2015, 4, 596-607.	1.3	98
13	The Prognostic Role of Circulating Tumor Cells (CTCs) in Lung Cancer. <i>Frontiers in Oncology</i> , 2018, 8, 311.	1.3	94
14	The prognostic significance of circulating tumor cells in head and neck and non-small cell lung cancer. <i>Cancer Medicine</i> , 2018, 7, 5910-5919.	1.3	91
15	The effects of exercise and adipose tissue lipolysis on plasma adiponectin concentration and adiponectin receptor expression in human skeletal muscle. <i>European Journal of Endocrinology</i> , 2005, 152, 427-436.	1.9	90
16	Circulating tumour cells in metastatic head and neck cancers. <i>International Journal of Cancer</i> , 2015, 136, 2515-2523.	2.3	90
17	Tumor-suppressor Gene Promoter Hypermethylation in Saliva of Head and Neck Cancer Patients. <i>Translational Oncology</i> , 2012, 5, 321-326.	1.7	85
18	The Performance of an Oral Microbiome Biomarker Panel in Predicting Oral Cavity and Oropharyngeal Cancers. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 267.	1.8	83

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19	miRNAs in head and neck cancer revisited. <i>Cellular Oncology (Dordrecht)</i> , 2013, 36, 1-7.	2.1	81
20	Capture of Circulating Tumour Cell Clusters Using Straight Microfluidic Chips. <i>Cancers</i> , 2019, 11, 89.	1.7	75
21	Enrichment of circulating head and neck tumour cells using spiral microfluidic technology. <i>Scientific Reports</i> , 2017, 7, 42517.	1.6	69
22	Salivary exosomes as potential biomarkers in cancer. <i>Oral Oncology</i> , 2018, 84, 31-40.	0.8	68
23	A pilot study to compare the detection of HPV-16 biomarkers in salivary oral rinses with tumour p16INK4a expression in head and neck squamous cell carcinoma patients. <i>BMC Cancer</i> , 2016, 16, 178.	1.1	65
24	A biomarker panel to discriminate between systemic inflammatory response syndrome and sepsis and sepsis severity. <i>Journal of Emergencies, Trauma and Shock</i> , 2010, 3, 26.	0.3	62
25	PD-L1 expressing circulating tumour cells in head and neck cancers. <i>BMC Cancer</i> , 2017, 17, 333.	1.1	61
26	A Collective Route to Head and Neck Cancer Metastasis. <i>Scientific Reports</i> , 2018, 8, 746.	1.6	53
27	The Use of Microfluidic Technology for Cancer Applications and Liquid Biopsy. <i>Micromachines</i> , 2018, 9, 397.	1.4	50
28	NT-ProBNP Levels in Saliva and Its Clinical Relevance to Heart Failure. <i>PLoS ONE</i> , 2012, 7, e48452.	1.1	48
29	Short term <i>ex-vivo</i> expansion of circulating head and neck tumour cells. <i>Oncotarget</i> , 2016, 7, 60101-60109.	0.8	48
30	High-Yield RNA-Extraction Method for Saliva. <i>Clinical Chemistry</i> , 2013, 59, 1118-1122.	1.5	47
31	Salivary DNA methylation panel to diagnose HPV-positive and HPV-negative head and neck cancers. <i>BMC Cancer</i> , 2016, 16, 749.	1.1	47
32	A Pilot Study into the Association between Oral Health Status and Human Papillomavirus 16 Infection. <i>Diagnostics</i> , 2017, 7, 11.	1.3	47
33	Salivary miRNA panel to detect HPV-positive and HPV-negative head and neck cancer patients. <i>Oncotarget</i> , 2017, 8, 99990-100001.	0.8	46
34	Promoter Hypermethylation of Tumor-Suppressor Genes p16INK4a, RASSF1A, TIMP3, and PCQAP/MED15 in Salivary DNA as a Quadruple Biomarker Panel for Early Detection of Oral and Oropharyngeal Cancers. <i>Biomolecules</i> , 2019, 9, 148.	1.8	45
35	The development of a liquid biopsy for head and neck cancers. <i>Oral Oncology</i> , 2016, 61, 8-11.	0.8	42
36	DNA Methylation at the Novel CpG Sites in the Promoter of MED15/PCQAP Gene as a Biomarker for Head and Neck Cancers. <i>Biomarker Insights</i> , 2014, 9, BML.S16199.	1.0	40

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37	miRNAs in human papilloma virus associated oral and oropharyngeal squamous cell carcinomas. Expert Review of Molecular Diagnostics, 2014, 14, 1033-1040.	1.5	39
38	A liquid biopsy for head and neck cancers. Expert Review of Molecular Diagnostics, 2016, 16, 165-172.	1.5	39
39	DNA Methylation Changes in Human Papillomavirus-Driven Head and Neck Cancers. Cells, 2020, 9, 1359.	1.8	39
40	Development of Paper-Based Analytical Devices for Minimizing the Viscosity Effect in Human Saliva. Theranostics, 2018, 8, 3797-3807.	4.6	37
41	Impact of label-free technologies in head and neck cancer circulating tumour cells. Oncotarget, 2016, 7, 71223-71234.	0.8	35
42	Identification of salivary N-glycoproteins and measurement of glycosylation site occupancy by boronate glycoprotein enrichment and liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 471-482.	0.7	34
43	Phenotypic Characterization of Circulating Lung Cancer Cells for Clinically Actionable Targets. Cancers, 2019, 11, 380.	1.7	33
44	Unlocking the Potential of Saliva-Based Test to Detect HPV-16-Driven Oropharyngeal Cancer. Cancers, 2019, 11, 473.	1.7	32
45	Oral HPV16 DNA as a screening tool to detect early oropharyngeal squamous cell carcinoma. Cancer Science, 2020, 111, 3854-3861.	1.7	31
46	Salivary epigenetic biomarkers in head and neck squamous cell carcinomas. Biomarkers in Medicine, 2016, 10, 301-313.	0.6	28
47	Enrichment and identification of glycoproteins in human saliva using lectin magnetic bead arrays. Analytical Biochemistry, 2016, 497, 76-82.	1.1	28
48	Salivary High-Risk Human Papillomavirus (HPV) DNA as a Biomarker for HPV-Driven Head and Neck Cancers. Journal of Molecular Diagnostics, 2021, 23, 1334-1342.	1.2	26
49	Analysis of the extreme diversity of salivary alpha-amylase isoforms generated by physiological proteolysis using liquid chromatography-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 911, 21-26.	1.2	25
50	A pilot study to demonstrate diagnostic potential of galectin-3 levels in saliva. Journal of Clinical Pathology, 2016, 69, 1100-1104.	1.0	25
51	Olfactomedin-4 Regulation by Estrogen in the Human Endometrium Requires Epidermal Growth Factor Signaling. American Journal of Pathology, 2010, 177, 2495-2508.	1.9	24
52	Ex vivo culture of circulating tumour cells derived from non-small cell lung cancer. Translational Lung Cancer Research, 2020, 9, 1795-1809.	1.3	24
53	An Occult HPV-Driven Oropharyngeal Squamous Cell Carcinoma Discovered Through a Saliva Test. Frontiers in Oncology, 2020, 10, 408.	1.3	23
54	Circulating Fragments of N-Terminal Pro-B-Type Natriuretic Peptides in Plasma of Heart Failure Patients. Clinical Chemistry, 2013, 59, 1523-1531.	1.5	22

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55	Oral HPV16 Prevalence in Oral Potentially Malignant Disorders and Oral Cavity Cancers. <i>Biomolecules</i> , 2020, 10, 223.	1.8	22
56	Quantification of D-dimer levels in human saliva. <i>Bioanalysis</i> , 2013, 5, 2249-2256.	0.6	21
57	An update: circulating tumor cells in head and neck cancer. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 1109-1115.	1.5	21
58	The overexpression of salivary cytokeratins as potential diagnostic biomarkers in head and neck squamous cell carcinomas. <i>Oncotarget</i> , 2017, 8, 72272-72280.	0.8	20
59	The salivary metatranscriptome as an accurate diagnostic indicator of oral cancer. <i>Npj Genomic Medicine</i> , 2021, 6, 105.	1.7	20
60	A Pilot Study to Non-Invasively Track PIK3CA Mutation in Head and Neck Cancer. <i>Diagnostics</i> , 2018, 8, 79.	1.3	19
61	Identification and Validation of a Salivary Protein Panel to Detect Heart Failure Early. <i>Theranostics</i> , 2017, 7, 4350-4358.	4.6	18
62	High-risk human papillomavirus detection in oropharyngeal cancers: Comparison of saliva sampling methods. <i>Head and Neck</i> , 2019, 41, 1484-1489.	0.9	18
63	Chemoradiation therapy changes oral microbiome and metabolomic profiles in patients with oral cavity cancer and oropharyngeal cancer. <i>Head and Neck</i> , 2021, 43, 1521-1534.	0.9	17
64	Variation of Human Salivary O-Glycome. <i>PLoS ONE</i> , 2016, 11, e0162824.	1.1	15
65	Circulating tumour cell PD-L1 test for head and neck cancers. <i>Oral Oncology</i> , 2017, 75, 6-7.	0.8	15
66	Isolation of Circulating Tumour Cells in Patients With Glioblastoma Using Spiral Microfluidic Technology – A Pilot Study. <i>Frontiers in Oncology</i> , 2021, 11, 681130.	1.3	15
67	Clinical Applications of Circulating Tumour Cells and Circulating Tumour DNA in Non-Small Cell Lung Cancer – An Update. <i>Frontiers in Oncology</i> , 2022, 12, 859152.	1.3	15
68	Metabolic Response to a Mixed Meal in Obese and Lean Women from Two South African Populations. <i>Obesity</i> , 2002, 10, 1207-1216.	4.0	14
69	Two enemies, one fight: An update of oral cancer in patients with Fanconi anemia. <i>Cancer</i> , 2019, 125, 3936-3946.	2.0	14
70	The Use of Three-Dimensional DNA Fluorescent In Situ Hybridization (3D DNA FISH) for the Detection of Anaplastic Lymphoma Kinase (ALK) in Non-Small Cell Lung Cancer (NSCLC) Circulating Tumor Cells. <i>Cancers</i> , 2020, 9, 1465.	1.8	14
71	The potential prognostic utility of salivary galectin-3 concentrations in heart failure. <i>Clinical Research in Cardiology</i> , 2020, 109, 685-692.	1.5	13
72	Exosomes in cancer. <i>Advances in Clinical Chemistry</i> , 2021, 101, 1-40.	1.8	13

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73	Proteomic Alterations in Salivary Exosomes Derived from Human Papillomavirus-Driven Oropharyngeal Cancer. <i>Molecular Diagnosis and Therapy</i> , 2021, 25, 505-515.	1.6	13
74	Validation of an immunoassay to measure plasminogen-activator inhibitor-1 concentrations in human saliva. <i>Biochemia Medica</i> , 2014, 24, 258-265.	1.2	12
75	Salivary protein biomarkers for head and neck cancer. <i>Expert Review of Molecular Diagnostics</i> , 2020, 20, 305-313.	1.5	12
76	Human saliva as a tool to investigate intimate partner violence. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 541-542.	2.0	10
77	The current status of heart failure diagnostic biomarkers. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 487-500.	1.5	10
78	Within-Day Baseline Variation in Salivary Biomarkers in Healthy Men. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 74-80.	1.0	10
79	A review of potential biomarkers for assessing physical and psychological trauma in paediatric burns. <i>Burns and Trauma</i> , 2021, 9, tkaa049.	2.3	8
80	Saliva as an Emerging Biofluid for Clinical Diagnosis and Applications of MEMS/NEMS in Salivary Diagnostics. , 2013, , 453-473.		7
81	Relationship between p16 expression and prognosis in different anatomic subsites of OSCC. <i>Cancer Biomarkers</i> , 2019, 26, 375-383.	0.8	7
82	Salivary Protein Panel to Diagnose Systolic Heart Failure. <i>Biomolecules</i> , 2019, 9, 766.	1.8	7
83	Evaluation of sample preparation methods for label-free quantitative profiling of salivary proteome. <i>Journal of Proteomics</i> , 2020, 210, 103532.	1.2	7
84	A multimarker approach to diagnose and stratify heart failure. <i>International Journal of Cardiology</i> , 2015, 181, 369-375.	0.8	6
85	Analysis of human leukocyte antigen associations in human papillomavirusâ€“positive and â€“negative head and neck cancer: Comparison with cervical cancer. <i>Cancer</i> , 2022, 128, 1937-1947.	2.0	6
86	Overexpression of miRNA-9 enhances galectin-3 levels in oral cavity cancers. <i>Molecular Biology Reports</i> , 2021, 48, 3979-3989.	1.0	5
87	Isolation and Quantification of MicroRNAs from Human Saliva. <i>Methods in Molecular Biology</i> , 2019, 2054, 105-114.	0.4	5
88	Application of circulating tumour cells to predict response to treatment in head and neck cancer. <i>Cellular Oncology (Dordrecht)</i> , 0, , .	2.1	5
89	Oral contraceptives prevent the development of endometriosis in the chicken chorioallantoic membrane model. <i>Contraception</i> , 2008, 78, 257-265.	0.8	4
90	Profiling of immunoglobulins in resting and mechanically stimulated saliva. <i>Bioanalysis</i> , 2014, 6, 697-704.	0.6	4

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91	A rapid and cost-effective method of producing recombinant proBNP and NT-proBNP variants in Escherichia coli for immunoassay of heart failure. <i>Biotechnology Letters</i> , 2014, 36, 133-140.	1.1	4
92	An Exploratory Study Demonstrating That Salivary Cytokine Profiles Are Altered in Children With Small Area Thermal Injury. <i>Journal of Burn Care and Research</i> , 2022, 43, 613-624.	0.2	4
93	The Isolation and Characterization of Circulating Tumor Cells from Head and Neck Cancer Patient Blood Samples Using Spiral Microfluidic Technology. <i>Methods in Molecular Biology</i> , 2019, 2054, 129-136.	0.4	4
94	A paper-based optical sensor for the screening of viruses through the cysteine residues of their surface proteins: A proof of concept on the detection of coronavirus infection. <i>Talanta</i> , 2022, 248, 123630.	2.9	4
95	Saliva as a matrix for measurement of cancer biomarkers. , 2022, , 297-351.		4
96	Determining the utility of a screening program to reduce the incidence of HPV driven oropharyngeal cancer. <i>Oncoscience</i> , 2021, 8, 91-93.	0.9	3
97	A pilot study to investigate the feasibility of transporting saliva samples at room temperature with MAWI Cell Stabilization buffer. <i>Cogent Biology</i> , 2018, 4, 1470895.	1.7	2
98	Towards Label-free detection of viral disease agents through their cell surface proteins: Rapid screening SARS-CoV-2 in biological specimens. <i>SLAS Discovery</i> , 2022, 27, 331-336.	1.4	2
99	Abstract 1333: Isolation, characterization and expansion of circulating tumor cells in solid cancers. , 2019, , .		1
100	Unlocking the potential of saliva-based test to detect HPV-driven oropharyngeal cancer. <i>Annals of Oncology</i> , 2018, 29, ix100.	0.6	0
101	Abstract 5572: Circulating tumor cells: The tumor trail left in the blood. , 2018, , .		0
102	Abstract 2207: High-risk human papillomavirus detection in head and neck cancers using saliva. , 2018, , .		0
103	Abstract 577: Oral microbiome biomarker panel to detect oral and oropharyngeal cancers in a clinical setting. , 2018, , .		0