

Sanjeeva Srivastava

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

2,101
citations

218677

26
h-index

315739

38
g-index

107
all docs

107
docs citations

107
times ranked

2692
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | MicroRNA sequence codes for small extracellular vesicle release and cellular retention. <i>Nature</i> , 2022, 601, 446-451. | 27.8 | 300 |
| 2 | Virtualization of science education: a lesson from the COVID-19 pandemic. <i>Journal of Proteins and Proteomics</i> , 2020, 11, 77-80. | 1.5 | 68 |
| 3 | Quantitative Proteomic Analysis of Meningiomas for the Identification of Surrogate Protein Markers. <i>Scientific Reports</i> , 2014, 4, 7140. | 3.3 | 61 |
| 4 | Real-time iTRAQ-based proteome profiling revealed the central metabolism involved in nitrogen starvation induced lipid accumulation in microalgae. <i>Scientific Reports</i> , 2017, 7, 45732. | 3.3 | 59 |
| 5 | Investigation of serum proteome alterations in human glioblastoma multiforme. <i>Proteomics</i> , 2012, 12, 2378-2390. | 2.2 | 55 |
| 6 | Serum proteome analysis of vivax malaria: An insight into the disease pathogenesis and host immune response. <i>Journal of Proteomics</i> , 2012, 75, 3063-3080. | 2.4 | 50 |
| 7 | Proteomic Investigation of Falciparum and Vivax Malaria for Identification of Surrogate Protein Markers. <i>PLoS ONE</i> , 2012, 7, e41751. | 2.5 | 50 |
| 8 | Proteomics and Machine Learning Approaches Reveal a Set of Prognostic Markers for COVID-19 Severity With Drug Repurposing Potential. <i>Frontiers in Physiology</i> , 2021, 12, 652799. | 2.8 | 49 |
| 9 | Challenges and prospects for biomarker research: A current perspective from the developing world. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 899-908. | 2.3 | 43 |
| 10 | Autoantibody Profiling of Glioma Serum Samples to Identify Biomarkers Using Human Proteome Arrays. <i>Scientific Reports</i> , 2015, 5, 13895. | 3.3 | 43 |
| 11 | Differential expression of serum/plasma proteins in various infectious diseases: Specific or nonspecific signatures. <i>Proteomics - Clinical Applications</i> , 2014, 8, 53-72. | 1.6 | 41 |
| 12 | The power of proteomics to monitor senescence-associated secretory phenotypes and beyond: toward clinical applications. <i>Expert Review of Proteomics</i> , 2020, 17, 297-308. | 3.0 | 40 |
| 13 | Protein microarray applications: Autoantibody detection and posttranslational modification. <i>Proteomics</i> , 2016, 16, 2557-2569. | 2.2 | 36 |
| 14 | Crowdfunding 2.0: the next generation philanthropy. <i>EMBO Reports</i> , 2015, 16, 267-271. | 4.5 | 35 |
| 15 | An overview of innovations and industrial solutions in Protein Microarray Technology. <i>Proteomics</i> , 2016, 16, 1297-1308. | 2.2 | 34 |
| 16 | Artificial Intelligence to Decode Cancer Mechanism: Beyond Patient Stratification for Precision Oncology. <i>Frontiers in Pharmacology</i> , 2020, 11, 1177. | 3.5 | 34 |
| 17 | Subventricular zone involvement in Glioblastoma – A proteomic evaluation and clinicoradiological correlation. <i>Scientific Reports</i> , 2017, 7, 1449. | 3.3 | 33 |
| 18 | An Integrated Quantitative Proteomics Workflow for Cancer Biomarker Discovery and Validation in Plasma. <i>Frontiers in Oncology</i> , 2020, 10, 543997. | 2.8 | 33 |

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|----|---|-----|-----------|
| 19 | Personalized medicine beyond genomics: alternative futures in big dataâ€”proteomics, enviroptome and the social proteome. <i>Journal of Neural Transmission</i> , 2017, 124, 25-32. | 2.8 | 32 |
| 20 | Oral cancer screening: serum Raman spectroscopic approach. <i>Journal of Biomedical Optics</i> , 2015, 20, 115006. | 2.6 | 31 |
| 21 | Clinicopathological Analysis and Multipronged Quantitative Proteomics Reveal Oxidative Stress and Cytoskeletal Proteins as Possible Markers for Severe Vivax Malaria. <i>Scientific Reports</i> , 2016, 6, 24557. | 3.3 | 31 |
| 22 | Rapid Classification of COVID-19 Severity by ATR-FTIR Spectroscopy of Plasma Samples. <i>Analytical Chemistry</i> , 2021, 93, 10391-10396. | 6.5 | 31 |
| 23 | A Simple Protein Extraction Method for Proteomic Analysis of Diverse Biological Specimens. <i>Current Proteomics</i> , 2014, 10, 298-311. | 0.3 | 30 |
| 24 | Quantitative Proteomics Analysis of Plasmodium vivax Induced Alterations in Human Serum during the Acute and Convalescent Phases of Infection. <i>Scientific Reports</i> , 2017, 7, 4400. | 3.3 | 29 |
| 25 | Rapid Discrimination of Malaria- and Dengue-Infected Patients Sera Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 7054-7062. | 6.5 | 29 |
| 26 | Proteomic investigation reveals dominant alterations of neutrophil degranulation and mRNA translation pathways in patients with COVID-19. <i>IScience</i> , 2021, 24, 102135. | 4.1 | 29 |
| 27 | Global proteomic profiling identifies etoposide chemoresistance markers in non-small cell lung carcinoma. <i>Journal of Proteomics</i> , 2016, 138, 95-105. | 2.4 | 28 |
| 28 | A comprehensive proteomic analysis of totarol induced alterations in Bacillus subtilis by multipronged quantitative proteomics. <i>Journal of Proteomics</i> , 2015, 114, 247-262. | 2.4 | 26 |
| 29 | Proteomics in fisheries and aquaculture: An approach for food security. <i>Food Control</i> , 2021, 127, 108125. | 5.5 | 26 |
| 30 | Clinical Proteomics and Cytokine Profiling for Dengue Fever Disease Severity Biomarkers. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 665-677. | 2.0 | 25 |
| 31 | A Multi-omics Longitudinal Study Reveals Alteration of the Leukocyte Activation Pathway in COVID-19 Patients. <i>Journal of Proteome Research</i> , 2021, 20, 4667-4680. | 3.7 | 25 |
| 32 | Role of Multiomics Data to Understand Hostâ€”Pathogen Interactions in COVID-19 Pathogenesis. <i>Journal of Proteome Research</i> , 2021, 20, 1107-1132. | 3.7 | 24 |
| 33 | Tissue Proteome Analysis of Different Grades of Human Gliomas Provides Major Cues for Glioma Pathogenesis. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 275-284. | 2.0 | 23 |
| 34 | Quantitative mass spectrometry analysis reveals a panel of nine proteins as diagnostic markers for colon adenocarcinomas. <i>Oncotarget</i> , 2018, 9, 13530-13544. | 1.8 | 23 |
| 35 | Calibration-free concentration analysis of protein biomarkers in human serum using surface plasmon resonance. <i>Talanta</i> , 2015, 144, 801-808. | 5.5 | 22 |
| 36 | Proteomic analysis of Plasmodium falciparum induced alterations in humans from different endemic regions of India to decipher malaria pathogenesis and identify surrogate markers of severity. <i>Journal of Proteomics</i> , 2015, 127, 103-113. | 2.4 | 21 |

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|----|--|------|-----------|
| 37 | Multi-omics Frontiers in Algal Research: Techniques and Progress to Explore Biofuels in the Postgenomics World. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 387-399. | 2.0 | 21 |
| 38 | Elevated carbon dioxide levels lead to proteome-wide alterations for optimal growth of a fast-growing cyanobacterium, <i>Synechococcus elongatus</i> PCC 11801. <i>Scientific Reports</i> , 2019, 9, 6257. | 3.3 | 21 |
| 39 | Quantitative proteomic analysis of global effect of LLL12 on U87 cell's proteome: An insight into the molecular mechanism of LLL12. <i>Journal of Proteomics</i> , 2015, 113, 127-142. | 2.4 | 20 |
| 40 | Evaluation of autoantibody signatures in meningioma patients using human proteome arrays. <i>Oncotarget</i> , 2017, 8, 58443-58456. | 1.8 | 20 |
| 41 | Recent advances in mass-spectrometry based proteomics software, tools and databases. <i>Drug Discovery Today: Technologies</i> , 2021, 39, 69-79. | 4.0 | 19 |
| 42 | Multiple Reaction Monitoring-Based Targeted Assays for the Validation of Protein Biomarkers in Brain Tumors. <i>Frontiers in Oncology</i> , 2021, 11, 548243. | 2.8 | 18 |
| 43 | Semen Proteomics of COVID-19 Convalescent Men Reveals Disruption of Key Biological Pathways Relevant to Male Reproductive Function. <i>ACS Omega</i> , 2022, 7, 8601-8612. | 3.5 | 18 |
| 44 | Quantitative proteomic comparison of stationary/G0 phase cells and tetrads in budding yeast. <i>Scientific Reports</i> , 2016, 6, 32031. | 3.3 | 17 |
| 45 | Identification of Highly Expressed <i>Plasmodium Vivax</i> Proteins from Clinical Isolates Using Proteomics. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700046. | 1.6 | 17 |
| 46 | Multiplexed quantitative proteomics provides mechanistic cues for malaria severity and complexity. <i>Communications Biology</i> , 2020, 3, 683. | 4.4 | 17 |
| 47 | Time for Multiple Extraction Methods in Proteomics? A Comparison of Three Protein Extraction Methods in the Eustigmatophyte Alga <i>Microchloropsis gaditana</i> CCMP526. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 678-683. | 2.0 | 16 |
| 48 | Multi-pronged proteomic analysis to study the glioma pathobiology using cerebrospinal fluid samples. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700056. | 1.6 | 15 |
| 49 | Fluorescence-guided surgery of malignant gliomas based on 5-aminolevulinic acid: paradigm shifts but not a panacea. <i>Nature Reviews Cancer</i> , 2014, 14, 146-146. | 28.4 | 14 |
| 50 | An Appeal to the Global Health Community for a Tripartite Innovation: An "Essential Diagnostics List," "Health in All Policies," and "See-Through 21 st Century Science and Ethics". <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 435-442. | 2.0 | 14 |
| 51 | COVID-19 Pandemic: Hopes from Proteomics and Multiomics Research. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 457-459. | 2.0 | 14 |
| 52 | Deciphering the Interregional and Interhemisphere Proteome of the Human Brain in the Context of the Human Proteome Project. <i>Journal of Proteome Research</i> , 2021, 20, 5280-5293. | 3.7 | 14 |
| 53 | Mumbai mayhem of COVID-19 pandemic reveals important factors that influence susceptibility to infection. <i>EClinicalMedicine</i> , 2021, 35, 100841. | 7.1 | 13 |
| 54 | Comparative proteomics of mitosis and meiosis in <i>Saccharomyces cerevisiae</i> . <i>Journal of Proteomics</i> , 2014, 109, 1-15. | 2.4 | 12 |

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|----|--|-----|-----------|
| 55 | Proteomics of <i>Plasmodium vivax</i> malaria: new insights, progress and potential. <i>Expert Review of Proteomics</i> , 2016, 13, 771-782. | 3.0 | 12 |
| 56 | Multi-Omics Advancements towards <i>Plasmodium vivax</i> Malaria Diagnosis. <i>Diagnostics</i> , 2021, 11, 2222. | 2.6 | 12 |
| 57 | A Proteogenomic Analysis of Haptoglobin in Malaria. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700077. | 1.6 | 11 |
| 58 | Untargeted Metabolomics Workshop Report: Quality Control Considerations from Sample Preparation to Data Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2006-2010. | 2.8 | 11 |
| 59 | Glioma tumor proteomics: clinically useful protein biomarkers and future perspectives. <i>Expert Review of Proteomics</i> , 2020, 17, 221-232. | 3.0 | 11 |
| 60 | The proteomic analysis shows enrichment of RNA surveillance pathways in adult SHH and extensive metabolic reprogramming in Group 3 medulloblastomas. <i>Brain Tumor Pathology</i> , 2021, 38, 96-108. | 1.7 | 11 |
| 61 | Proteomic analysis of <i>Streptomyces coelicolor</i> in response to Ciprofloxacin challenge. <i>Journal of Proteomics</i> , 2014, 97, 222-234. | 2.4 | 10 |
| 62 | Hospital-derived antibody profiles of malaria patients in Southwest India. <i>Malaria Journal</i> , 2019, 18, 138. | 2.3 | 10 |
| 63 | Comprehending Meningioma Signaling Cascades Using Multipronged Proteomics Approaches & Targeted Validation of Potential Markers. <i>Frontiers in Oncology</i> , 2020, 10, 1600. | 2.8 | 10 |
| 64 | Multimiomics Analysis and Systems Biology Integration Identifies the Roles of IL-9 in Keratinocyte Metabolic Reprogramming. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1932-1942. | 0.7 | 9 |
| 65 | Recent advances in proteomics and its implications in pituitary endocrine disorders. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140700. | 2.3 | 9 |
| 66 | Reinspection of a Clinical Proteomics Tumor Analysis Consortium (CPTAC) Dataset with Cloud Computing Reveals Abundant Post-Translational Modifications and Protein Sequence Variants. <i>Cancers</i> , 2021, 13, 5034. | 3.7 | 9 |
| 67 | The PeptideAtlas of a widely cultivated fish <i>Labeo rohita</i> : A resource for the Aquaculture Community. <i>Scientific Data</i> , 2022, 9, 171. | 5.3 | 9 |
| 68 | Temporal acclimation of <i>Microchloropsis gaditana</i> CCMP526 in response to hypersalinity. <i>Bioresource Technology</i> , 2018, 254, 23-30. | 9.6 | 8 |
| 69 | Comprehensive proteomics investigation of <i>P. vivax</i> -infected human plasma and parasite isolates. <i>BMC Infectious Diseases</i> , 2020, 20, 188. | 2.9 | 8 |
| 70 | A Perspective on Proteomics of Infectious Diseases. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1700139. | 1.6 | 7 |
| 71 | Proteomic level changes associated with S3I201 treated U87 glioma cells. <i>Journal of Proteomics</i> , 2017, 150, 341-350. | 2.4 | 6 |
| 72 | Proteomics advances towards developing SARS-CoV-2 therapeutics using in silico drug repurposing approaches. <i>Drug Discovery Today: Technologies</i> , 2021, 39, 1-12. | 4.0 | 6 |

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|----|--|-----|-----------|
| 73 | Peptidomics and proteogenomics: background, challenges and future needs. Expert Review of Proteomics, 2021, 18, 643-659. | 3.0 | 6 |
| 74 | Organ-Based Proteome and Post-Translational Modification Profiling of a Widely Cultivated Tropical Water Fish, <i>Labeo rohita</i> . Journal of Proteome Research, 2022, 21, 420-437. | 3.7 | 6 |
| 75 | A Protein Microarray-Based Investigation of Cerebrospinal Fluid Reveals Distinct Autoantibody Signature in Low and High-Grade Gliomas. Frontiers in Oncology, 2020, 10, 543947. | 2.8 | 5 |
| 76 | Protein Arrays for the Identification of Seroreactive Protein Markers for Infectious Diseases. Methods in Molecular Biology, 2021, 2344, 139-150. | 0.9 | 5 |
| 77 | Comprehensive Workflow of Mass Spectrometry-based Shotgun Proteomics of Tissue Samples. Journal of Visualized Experiments, 2021, , . | 0.3 | 5 |
| 78 | Comprehensive Analysis of Temporal Alterations in Cellular Proteome of <i>Bacillus subtilis</i> under Curcumin Treatment. PLoS ONE, 2015, 10, e0120620. | 2.5 | 4 |
| 79 | Serum Profiling for Identification of Autoantibody Signatures in Diseases Using Protein Microarrays. Methods in Molecular Biology, 2017, 1619, 303-315. | 0.9 | 4 |
| 80 | Protein Microarray-Based Proteomics for Disease Analysis. Methods in Molecular Biology, 2021, 2344, 3-6. | 0.9 | 4 |
| 81 | iTRAQ-based proteome profiling revealed the role of Phytochrome A in regulating primary metabolism in tomato seedling. Scientific Reports, 2021, 11, 7540. | 3.3 | 4 |
| 82 | Comprehensive proteomic analysis reveals distinct functional modules associated with skull base and supratentorial meningiomas and perturbations in collagen pathway components. Journal of Proteomics, 2021, 246, 104303. | 2.4 | 4 |
| 83 | A proteogenomic approach to target neoantigens in solid tumors. Expert Review of Proteomics, 2020, 17, 797-812. | 3.0 | 4 |
| 84 | Mass spectrometry and proteome analysis to identify SARS-CoV-2 protein from COVID-19 patient swab samples. STAR Protocols, 2022, 3, 101177. | 1.2 | 4 |
| 85 | Proteomics research in India: An update. Journal of Proteomics, 2015, 127, 7-17. | 2.4 | 3 |
| 86 | Quantitative Proteomics Workflow using Multiple Reaction Monitoring Based Detection of Proteins from Human Brain Tissue. Journal of Visualized Experiments, 2021, , . | 0.3 | 3 |
| 87 | Data-Independent-Acquisition-Based Proteomic Approach towards Understanding the Acclimation Strategy of Oleaginous Microalga <i>Microchloropsis gaditana</i> CCMP526 in Hypersaline Conditions. ACS Omega, 2021, 6, 22151-22164. | 3.5 | 2 |
| 88 | Application of 2D-DIGE and iTRAQ Workflows to Analyze CSF in Gliomas. Methods in Molecular Biology, 2019, 2044, 81-110. | 0.9 | 2 |
| 89 | Objective assessment of intraoperative tumor fluorescence reveals biological heterogeneity within glioblastomas: a biometric study. Journal of Neuro-Oncology, 2020, 146, 477-488. | 2.9 | 2 |
| 90 | A Quantitative Systems Approach to Define Novel Effects of Tumour p53 Mutations on Binding Oncoprotein MDM2. International Journal of Molecular Sciences, 2022, 23, 53. | 4.1 | 2 |

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|----|---|-----|-----------|
| 91 | Rise of the SARS-CoV-2 Variants: can proteomics be the silver bullet?. Expert Review of Proteomics, 2022, 19, 197-212. | 3.0 | 2 |
| 92 | Special Issue "Proteomics in India": Gazing Forward while Reflecting on the Lessons Learned in Global Proteomics. Journal of Proteomics, 2015, 127, 1-2. | 2.4 | 1 |
| 93 | Protein arrays: promises and potential for the translational research. Proteomics, 2016, 16, 1191-1192. | 2.2 | 1 |
| 94 | Proteomics-Based Investigations of Neglected and Tropical Diseases. Proteomics - Clinical Applications, 2018, 12, e1800076. | 1.6 | 1 |
| 95 | Plasma membrane proteome of adhesion-competent endometrial epithelial cells and its modulation by Rab11a. Molecular Reproduction and Development, 2020, 87, 17-29. | 2.0 | 1 |
| 96 | Profiling Autoantibody Responses to Devise Novel Diagnostic and Prognostic Markers Using High-Density Protein Microarrays. Methods in Molecular Biology, 2021, 2344, 191-208. | 0.9 | 1 |
| 97 | Insights on Proteomics-Driven Body Fluid-Based Biomarkers of Cervical Cancer. Proteomes, 2022, 10, 13. | 3.5 | 1 |
| 98 | Editorial (Taking the Kidney Personally: The Quest for Novel Antigens of Idiopathic Membranous) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 Personalized Medicine, 2013, 11, 5-7. | 0.2 | 0 |
| 99 | Basics of Mass Spectrometry and Its Applications in Biomarker Discovery. , 2016, , 41-63. | | 0 |