# Srinivasan Yegnasubramanian

List of Publications by Year
in descending order



| 103 | 9,108 | 57758 | 42399 |
|---|---|---|---|
| papers | citations | 44 h-index | 92 g-index |

| 115 | 115 | 115 | 14043 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Copy number analysis indicates monoclonal origin of lethal metastatic prostate cancer. Nature Medicine, 2009, 15, 559-565. | 30.7 | 596 |
| 2 | Androgen-induced TOP2B-mediated double-strand breaks and prostate cancer gene rearrangements. Nature Genetics, 2010, 42, 668-675. | 21.4 | 539 |
| 3 | Distinct Transcriptional Programs Mediated by the Ligand-Dependent Full-Length Androgen Receptor and Its Splice Variants in Castration-Resistant Prostate Cancer. Cancer Research, 2012, 72, 3457-3462. | 0.9 | 518 |
| 4 | Hypermethylation of CpG Islands in Primary and Metastatic Human Prostate Cancer. Cancer Research, 2004, 64, 1975-1986. | 0.9 | 467 |
| 5 | Tracking the clonal origin of lethal prostate cancer. Journal of Clinical Investigation, 2013, 123, 4918-4922. | 8.2 | 440 |
| 6 | Global 5-hydroxymethylcytosine content is significantly reduced in tissue stem/progenitor cell compartments and in human cancers. Oncotarget, 2011, 2, 627-637. | 1.8 | 383 |
| 7 | Update on Systemic Prostate Cancer Therapies: Management of Metastatic Castration-resistant Prostate Cancer in the Era of Precision Oncology. European Urology, 2019, 75, 88-99. | 1.9 | 333 |
| 8 | The inflammatory microenvironment and microbiome in prostate cancer development. Nature Reviews Urology, 2018, 15, 11-24. | 3.8 | 311 |
| 9 | DNA Hypomethylation Arises Later in Prostate Cancer Progression than CpG Island Hypermethylation and Contributes to Metastatic Tumor Heterogeneity. Cancer Research, 2008, 68, 8954-8967. | 0.9 | 255 |
| 10 | Procainamide Is a Specific Inhibitor of DNA Methyltransferase 1. Journal of Biological Chemistry, 2005, 280, 40749-40756. | 3.4 | 253 |
| 11 | Transcriptional programs of neoantigen-specific TIL in anti-PD-1-treated lung cancers. Nature, 2021, 596, 126-132. | 27.8 | 234 |
| 12 | DNA Methylation Alterations Exhibit Intraindividual Stability and Interindividual Heterogeneity in Prostate Cancer Metastases. Science Translational Medicine, 2013, 5, 169ra10. | 12.4 | 231 |
| 13 | Genomic and phenotypic heterogeneity in prostate cancer. Nature Reviews Urology, 2021, 18, 79-92. | 3.8 | 215 |
| 14 | Effect of bipolar androgen therapy for asymptomatic men with castration-resistant prostate cancer: Results from a pilot clinical study. Science Translational Medicine, 2015, 7, 269ra2. | 12.4 | 205 |
| 15 | Profiling the Urinary Microbiome in Men with Positive versus Negative Biopsies for Prostate Cancer. Journal of Urology, 2018, 199, 161-171. | 0.4 | 188 |
| 16 | Disulfiram is a DNA demethylating agent and inhibits prostate cancer cell growth. Prostate, 2011, 71, 333-343. | 2.3 | 158 |
| 17 | Decreased 5-Hydroxymethylcytosine Is Associated with Neural Progenitor Phenotype in Normal Brain and Shorter Survival in Malignant Glioma. PLoS ONE, 2012, 7, e41036. | 2.5 | 152 |
| 18 | A Novel Two-Stage, Transdisciplinary Study Identifies Digoxin as a Possible Drug for Prostate Cancer Treatment. Cancer Discovery, 2011, 1, 68-77. | 9.4 | 145 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Minireview: Epigenetic Alterations in Human Prostate Cancers. Endocrinology, 2009, 150, 3991-4002. | 2.8 | 135 |
| 20 | Abnormal DNA methylation, epigenetics, and prostate cancer. Frontiers in Bioscience - Landmark, 2007, 12, 4254. | 3.0 | 132 |
| 21 | Clinical Validation of KRAS, BRAF, and EGFR Mutation Detection Using Next-Generation Sequencing. American Journal of Clinical Pathology, 2014, 141, 856-866. | 0.7 | 128 |
| 22 | Key tumor suppressor genes inactivated by â€œgreater promoterâ€•methylation and somatic mutations in head and neck cancer. Epigenetics, 2014, 9, 1031-1046. | 2.7 | 122 |
| 23 | Comprehensive Evaluation of Programmed Death-Ligand 1 Expression in Primary and Metastatic Prostate Cancer. American Journal of Pathology, 2018, 188, 1478-1485. | 3.8 | 119 |
| 24 | Increased Protein Stability Causes DNA Methyltransferase 1 Dysregulation in Breast Cancer. Journal of Biological Chemistry, 2005, 280, 18302-18310. | 3.4 | 113 |
| 25 | Global DNA hypomethylation in intratubular germ cell neoplasia and seminoma, but not in nonseminomatous male germ cell tumors. Modern Pathology, 2008, 21, 1337-1344. | 5.5 | 110 |
| 26 | Combined MYC Activation and Pten Loss Are Sufficient to Create Genomic Instability and Lethal Metastatic Prostate Cancer. Cancer Research, 2016, 76, 283-292. | 0.9 | 102 |
| 27 | c-Myc Antagonises the Transcriptional Activity of the Androgen Receptor in Prostate Cancer Affecting Key Gene Networks. EBioMedicine, 2017, 18, 83-93. | 6.1 | 96 |
| 28 | Transcription-Induced DNA Double Strand Breaks: Both Oncogenic Force and Potential Therapeutic Target?. Clinical Cancer Research, 2011, 17, 3858-3864. | 7.0 | 92 |
| 29 | Metabolic programs define dysfunctional immune responses in severe COVID-19 patients. Cell Reports, 2021, 34, 108863. | 6.4 | 92 |
| 30 | Genome-wide comparison of the transcriptomes of highly enriched normal and chronic myeloid leukemia stem and progenitor cell populations. Oncotarget, 2013, 4, 715-728. | 1.8 | 92 |
| 31 | Defining UHRF1 Domains that Support Maintenance of Human Colon Cancer DNA Methylation and Oncogenic Properties. Cancer Cell, 2019, 35, 633-648.e7. | 16.8 | 89 |
| 32 | Combination of methylated-DNA precipitation and methylation-sensitive restriction enzymes (COMPARE-MS) for the rapid, sensitive and quantitative detection of DNA methylation. Nucleic Acids Research, 2006, 34, e19-e19. | 14.5 | 86 |
| 33 | Redoxâ€Responsive Nanoparticleâ€Mediated Systemic RNAi for Effective Cancer Therapy. Small, 2018, 14, e1802565. | 10.0 | 85 |
| 34 | Molecular evidence that invasive adenocarcinoma can mimic prostatic intraepithelial neoplasia (<scp>PIN</scp>) and intraductal carcinoma through retrograde glandular colonization. Journal of Pathology, 2016, 238, 31-41. | 4.5 | 83 |
| 35 | Donor cell leukemia arising from clonal hematopoiesis after bone marrow transplantation. Leukemia, 2016, 30, 1916-1920. | 7.2 | 79 |
| 36 | Functional characterization of CD4+ T cell receptors crossreactive for SARS-CoV-2 and endemic coronaviruses. Journal of Clinical Investigation, 2021, 131, . | 8.2 | 72 |

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|---|---|---|---|
| 37 | Epigenetic DNA Methylation of Antioxidative Stress Regulator NRF2 in Human Prostate Cancer. Cancer Prevention Research, 2014, 7, 1186-1197. | 1.5 | 69 |
| 38 | Transcriptional profiling identifies novel regulators of macrophage polarization. PLoS ONE, 2018, 13, e0208602. | 2.5 | 68 |
| 39 | Anti-inflammatory drugs, antioxidants, and prostate cancer prevention. Current Opinion in Pharmacology, 2009, 9, 419-426. | 3.5 | 64 |
| 40 | Chromosome-wide mapping of DNA methylation patterns in normal and malignant prostate cells reveals pervasive methylation of gene-associated and conserved intergenic sequences. BMC Genomics, 2011, 12, 313. | 2.8 | 62 |
| 41 | Chromatin dysregulation and DNA methylation at transcription start sites associated with transcriptional repression in cancers. Nature Communications, 2019, 10, 2188. | 12.8 | 61 |
| 42 | Immunogenicity of prostate cancer is augmented by BET bromodomain inhibition. , 2019, 7, 277. | | 53 |
| 43 | MYC drives overexpression of telomerase RNA (hTR/TERC) in prostate cancer. Journal of Pathology, 2018, 244, 11-24. | 4.5 | 51 |
| 44 | Global DNA methylation changes and differential gene expression in Anaplasma phagocytophilum-infected human neutrophils. Clinical Epigenetics, 2015, 7, 77. | 4.1 | 49 |
| 45 | Prostate adenocarcinomas aberrantly expressing p63 are molecularly distinct from usual-type prostatic adenocarcinomas. Modern Pathology, 2015, 28, 446-456. | 5.5 | 49 |
| 46 | Diagnostic Challenges of Clonal Heterogeneity in Prostate Cancer. Journal of Clinical Oncology, 2015, 33, e38-e40. | 1.6 | 48 |
| 47 | GSTP1 Loss results in accumulation of oxidative DNA base damage and promotes prostate cancer cell survival following exposure to protracted oxidative stress. Prostate, 2016, 76, 199-206. | 2.3 | 45 |
| 48 | Premalignancy in Prostate Cancer: Rethinking What We Know. Cancer Prevention Research, 2016, 9, 648-656. | 1.5 | 44 |
| 49 | Nucleotide resolution analysis of <scp>TMPRSS2</scp> and <scp>ERG</scp> rearrangements in prostate cancer. Journal of Pathology, 2013, 230, 174-183. | 4.5 | 41 |
| 50 | A Novel Functional Splice Variant of AKT3 Defined by Analysis of Alternative Splice Expression in HPV-Positive Oropharyngeal Cancers. Cancer Research, 2017, 77, 5248-5258. | 0.9 | 41 |
| 51 | Inflammation, Microbiota, and Prostate Cancer. European Urology Focus, 2016, 2, 374-382. | 3.1 | 40 |
| 52 | The Diet as a Cause of Human Prostate Cancer. Cancer Treatment and Research, 2014, 159, 51-68. | 0.5 | 38 |
| 53 | Integrated single-cell and bulk gene expression and ATAC-seq reveals heterogeneity and early changes in pathways associated with resistance to cetuximab in HNSCC-sensitive cell lines. British Journal of Cancer, 2020, 123, 101-113. | 6.4 | 38 |
| 54 | Androgen Deprivation Followed by Acute Androgen Stimulation Selectively Sensitizes AR-Positive Prostate Cancer Cells to Ionizing Radiation. Clinical Cancer Research, 2016, 22, 3310-3319. | 7.0 | 37 |

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|---|---|---|---|
| 55 | AIM1 is an actin-binding protein that suppresses cell migration and micrometastatic dissemination. Nature Communications, 2017, 8, 142. | 12.8 | 36 |
| 56 | Prostate Cancer Epigenetics: From Basic Mechanisms to Clinical Implications. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a030445. | 6.2 | 33 |
| 57 | Prospective Study of Genomic Hypomethylation of Leukocyte DNA and Colorectal Cancer Risk. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 2014-2021. | 2.5 | 30 |
| 58 | CD38 is methylated in prostate cancer and regulates extracellular NAD+. Cancer & Metabolism, 2018, 6, 13. | 5.0 | 28 |
| 59 | Dickkopf-1 Can Lead to Immune Evasion in Metastatic Castration-Resistant Prostate Cancer. JCO Precision Oncology, 2020, 4, 1167-1179. | 3.0 | 28 |
| 60 | Prostate cancer epigenetics and its clinical implications. Asian Journal of Andrology, 2016, 18, 549. | 1.6 | 28 |
| 61 | Global 5-Hydroxymethylcytosine Levels Are Profoundly Reduced in Multiple Genitourinary Malignancies. PLoS ONE, 2016, 11, e0146302. | 2.5 | 27 |
| 62 | Entinostat Decreases Immune Suppression to Promote Antitumor Responses in a HER2+ Breast Tumor Microenvironment. Cancer Immunology Research, 2022, 10, 656-669. | 3.4 | 26 |
| 63 | Methylation of thePMEPA1gene, a negative regulator of the androgen receptor in prostate cancer. Epigenetics, 2014, 9, 918-927. | 2.7 | 25 |
| 64 | Molecular Pathology of High-Grade Prostatic Intraepithelial Neoplasia: Challenges and Opportunities. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a030403. | 6.2 | 25 |
| 65 | Consequences of interleukin 1Î²â€triggered chronic inflammation in the mouse prostate gland: Altered architecture associated with prolonged CD4<sup>+</sup> infiltration mimics human proliferative inflammatory atrophy. Prostate, 2019, 79, 732-745. | 2.3 | 25 |
| 66 | RNA-Seq of the Nucleolus Reveals Abundant SNORD44-Derived Small RNAs. PLoS ONE, 2014, 9, e107519. | 2.5 | 24 |
| 67 | Time-Resolved Fluorescence Resonance Energy Transfer Assay for Discovery of Small-Molecule Inhibitors of Methyl-CpG Binding Domain Protein 2. Journal of Biomolecular Screening, 2014, 19, 1060-1069. | 2.6 | 23 |
| 68 | Androgen-Regulated SPARCL1 in the Tumor Microenvironment Inhibits Metastatic Progression. Cancer Research, 2015, 75, 4322-4334. | 0.9 | 23 |
| 69 | IgM anti-ACE2 autoantibodies in severe COVID-19 activate complement and perturb vascular endothelial function. JCI Insight, 2022, 7, . | 5.0 | 23 |
| 70 | Resistance to androgen receptor signaling inhibition does not necessitate development of neuroendocrine prostate cancer. JCI Insight, 2021, 6, . | 5.0 | 22 |
| 71 | An in Situ Atlas of Mitochondrial DNA in Mammalian Tissues Reveals High Content in StemÂand Proliferative Compartments. American Journal of Pathology, 2020, 190, 1565-1579. | 3.8 | 21 |
| 72 | If this is true, what does it imply? How end-user antibody validation facilitates insights into biology and disease. Asian Journal of Urology, 2019, 6, 10-25. | 1.2 | 20 |

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|---|---|---|---|
| 73 | Health inequity drives disease biology to create disparities in prostate cancer outcomes. Journal of Clinical Investigation, 2022, 132, . | 8.2 | 17 |
| 74 | Stable knockdown of PASG enhances DNA demethylation but does not accelerate cellular senescence in TIG-7 human fibroblasts. Epigenetics, 2008, 3, 281-286. | 2.7 | 15 |
| 75 | Humanizing Ï€-Class Glutathione S-Transferase Regulation in a Mouse Model Alters Liver Toxicity in Response to Acetaminophen Overdose. PLoS ONE, 2011, 6, e25707. | 2.5 | 14 |
| 76 | Pervasive promoter hypermethylation of silenced TERT alleles in human cancers. Cellular Oncology (Dordrecht), 2020, 43, 847-861. | 4.4 | 14 |
| 77 | GSTP1 positive prostatic adenocarcinomas are more common in Black than White men in the United States. PLoS ONE, 2021, 16, e0241934. | 2.5 | 14 |
| 78 | Hypomethylation, endogenous retrovirus expression, and interferon signaling in testicular germ cell tumors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8580-E8582. | 7.1 | 13 |
| 79 | ETS2 is a prostate basal cell marker and is highly expressed in prostate cancers aberrantly expressing p63. Prostate, 2018, 78, 896-904. | 2.3 | 13 |
| 80 | Lactoferrin CpG Island Hypermethylation and Decoupling of mRNA and Protein Expression in the Early Stages of Prostate Carcinogenesis. American Journal of Pathology, 2019, 189, 2311-2322. | 3.8 | 13 |
| 81 | A high-throughput screen of pharmacologically active compounds for inhibitors of UHRF1 reveals epigenetic activity of anthracycline derivative chemotherapeutic drugs. Oncotarget, 2019, 10, 3040-3050. | 1.8 | 13 |
| 82 | Bisulfite-converted duplexes for the strand-specific detection and quantification of rare mutations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4733-4738. | 7.1 | 12 |
| 83 | Reciprocal <scp>YAP1</scp> loss and <scp>INSM1</scp> expression in neuroendocrine prostate cancer. Journal of Pathology, 2021, 255, 425-437. | 4.5 | 12 |
| 84 | Dietary Chemoprevention of PhIP Induced Carcinogenesis in Male Fischer 344 Rats with Tomato and Broccoli. PLoS ONE, 2013, 8, e79842. | 2.5 | 11 |
| 85 | Simultaneous quantitative determination of 5-aza-2â€²-deoxycytidine genomic incorporation and DNA demethylation by liquid chromatography tandem mass spectrometry as exposure-response measures of nucleoside analog DNA methyltransferase inhibitors. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1022, 38-45. | 2.3 | 11 |
| 86 | Epigenetic and transcriptional analysis reveals a core transcriptional program conserved in clonal prostate cancer metastases. Molecular Oncology, 2021, 15, 1942-1955. | 4.6 | 10 |
| 87 | Multiplex immunohistochemical phenotyping of T cells in primary prostate cancer. Prostate, 2022, 82, 706-722. | 2.3 | 10 |
| 88 | Genomic profiles and clinical outcomes in primary versus secondary metastatic hormoneâ€sensitive prostate cancer. Prostate, 2021, 81, 572-579. | 2.3 | 9 |
| 89 | Phenotypic characterization of two novel cell line models of castrationâ€resistant prostate cancer. Prostate, 2021, 81, 1159-1171. | 2.3 | 9 |
| 90 | Explanatory Chapter. Methods in Enzymology, 2013, 529, 201-208. | 1.0 | 6 |

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|---|---|---|---|
| 91 | The structure of the nucleus in normal and neoplastic prostate cells: untangling the role of type 2 DNA topoisomerases. American Journal of Clinical and Experimental Urology, 2018, 6, 107-113. | 0.4 | 5 |
| 92 | Preparation of Fragment Libraries for Next-Generation Sequencing on the Applied Biosystems SOLiD Platform. Methods in Enzymology, 2013, 529, 185-200. | 1.0 | 4 |
| 93 | Characterization of novel cell lines derived from a MYCâ€driven murine model of lethal metastatic adenocarcinoma of the prostate. Prostate, 2018, 78, 992-1000. | 2.3 | 4 |
| 94 | GLUTATHIONE S-TRANSFERASE PI (GSTP1) DEFICIENCY ACCELERATES PROSTATE CARCINOGENESIS IN THE LO-MYC MOUSE. Journal of Urology, 2009, 181, 183-184. | 0.4 | 3 |
| 95 | Longitudinal measurement of subcutaneous and intratibial human prostate cancer xenograft growth and response to ionizing radiation by plasma Alu and LINEâ€1 ctDNA: A comparison to standard methods. Prostate, 2021, 81, 745-753. | 2.3 | 3 |
| 96 | Identifying Phased Mutations and Complex Rearrangements in Human Prostate Cancer Cell Lines through Linked-Read Whole-Genome Sequencing. Molecular Cancer Research, 2022, 20, 1013-1020. | 3.4 | 3 |
| 97 | Aiming for the Outliers: Cancer Precision Medicine through Targeting Kinases with Extreme Expression. Cancer Discovery, 2013, 3, 252-254. | 9.4 | 2 |
| 98 | Androgen Receptor Splice Variants Are Not Substrates of Nonsenseâ€Mediated Decay. Prostate, 2017, 77, 829-837. | 2.3 | 2 |
| 99 | Genome-Wide DNA Methylation Analysis in Cancer Research. , 2010, , 47-66. | | 2 |
| 100 | Mechanisms, Challenges, and Opportunities in Combined Radiation and Hormonal Therapies. Seminars in Radiation Oncology, 2022, 32, 76-81. | 2.2 | 2 |
| 101 | Epigenetic Changes in Prostate Cancer. , 2013, , 169-179. | | 0 |
| 102 | Abstract 2404: Increased mitochondrial DNA copy number occurs during prostate cancer progression and in cancer precursor lesions across multiple organs. , 2021, , . | | 0 |
| 103 | Chemopreventative effects of tomato and broccoli in the PhIP carcinogenesis rat model. FASEB Journal, 2011, 25, 225.7. | 0.5 | 0 |