Subbaya Subramanian

List of Publications by Citations

122 papers	7,219 citations	47 h-index	83 g-index
147 ext. papers	8,277 ext. citations	6.1 avg, IF	5.92 L-index

#	Paper	IF	Citations
122	The novel marker, DOG1, is expressed ubiquitously in gastrointestinal stromal tumors irrespective of KIT or PDGFRA mutation status. *American Journal of Pathology*, **2004**, 165, 107-13	5.8	505
121	A landscape effect in tenosynovial giant-cell tumor from activation of CSF1 expression by a translocation in a minority of tumor cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 690-5	11.5	351
120	A novel monoclonal antibody against DOG1 is a sensitive and specific marker for gastrointestinal stromal tumors. *American Journal of Surgical Pathology*, **2008**, 32, 210-8	6.7	350
119	TLE1 as a diagnostic immunohistochemical marker for synovial sarcoma emerging from gene expression profiling studies. *American Journal of Surgical Pathology*, **2007**, 31, 240-6	6.7	276
118	Human colon cancer profiles show differential microRNA expression depending on mismatch repair status and are characteristic of undifferentiated proliferative states. *BMC Cancer*, **2009**, 9, 401	4.8	253
117	Genome-wide analysis of microsatellite repeats in humans: their abundance and density in specific genomic regions. *Genome Biology*, **2003**, 4, R13	18.3	243
116	Competing endogenous RNAs (ceRNAs): new entrants to the intricacies of gene regulation. *Frontiers in Genetics*, **2014**, 5, 8	4.5	241
115	MicroRNA miR-183 functions as an oncogene by targeting the transcription factor EGR1 and promoting tumor cell migration. *Cancer Research*, **2010**, 70, 9570-80	10.1	238
114	MicroRNA expression signature of human sarcomas. *Oncogene*, **2008**, 27, 2015-26	9.2	199
113	Intraepithelial T cells and prognosis in ovarian carcinoma: novel associations with stage, tumor type, and BRCA1 loss. *Modern Pathology*, **2009**, 22, 393-402	9.8	196
112	Determination of stromal signatures in breast carcinoma. *PLoS Biology*, **2005**, 3, e187	9.7	161
111	A compact VEGF signature associated with distant metastases and poor outcomes. *BMC Medicine*, **2009**, 7, 9	11.4	132
110	Prognostic significance of macrophage infiltration in leiomyosarcomas. *Clinical Cancer Research*, **2008**, 14, 1423-30	12.9	124
109	Gastrointestinal stromal tumors (GISTs) with KIT and PDGFRA mutations have distinct gene expression profiles. *Oncogene*, **2004**, 23, 7780-90	9.2	121
108	Gene networks and microRNAs implicated in aggressive prostate cancer. *Cancer Research*, **2009**, 69, 9490-7	10.1	120
107	miRNA expression in colon polyps provides evidence for a multihit model of colon cancer. *PLoS ONE* , **2011**, 6, e20465	3.7	115
106	Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. *Bone*, **2012**, 50, 171-81	4.7	113

105	Circular RNAs and their associations with breast cancer subtypes. *Oncotarget*, **2016**, 7, 80967-80979	3.3	111
104	Tumor-stromal cross talk: direct cell-to-cell transfer of oncogenic microRNAs via tunneling nanotubes. *Translational Research*, **2014**, 164, 359-65	11	109
103	Triptolide induces the expression of miR-142-3p: a negative regulator of heat shock protein 70 and pancreatic cancer cell proliferation. *Molecular Cancer Therapeutics*, **2013**, 12, 1266-75	6.1	106
102	MicroRNAs as gatekeepers of apoptosis. *Journal of Cellular Physiology*, **2010**, 223, 289-98	7	102
101	Histone deacetylase inhibitors reverse SS18-SSX-mediated polycomb silencing of the tumor suppressor early growth response 1 in synovial sarcoma. *Cancer Research*, **2008**, 68, 4303-10	10.1	98
100	Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach. *Bone*, **2011**, 49, 356-67	4.7	95
99	Genome-wide transcriptome analyses reveal p53 inactivation mediated loss of miR-34a expression in malignant peripheral nerve sheath tumours. *Journal of Pathology*, **2010**, 220, 58-70	9.4	91
98	Intrinsic Resistance of Solid Tumors to Immune Checkpoint Blockade Therapy. *Cancer Research*, **2017**, 77, 817-822	10.1	88
97	S-MED: sarcoma microRNA expression database. *Laboratory Investigation*, **2010**, 90, 753-61	5.9	84
96	miR-140-3p regulation of TNF-□nduced CD38 expression in human airway smooth muscle cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2012**, 303, L460-8	5.8	83
95	Tunneling Nanotubes: A new paradigm for studying intercellular communication and therapeutics in cancer. *Communicative and Integrative Biology*, **2012**, 5, 399-403	1.7	81
94	MicroRNAs at the human 14q32 locus have prognostic significance in osteosarcoma. *Orphanet Journal of Rare Diseases*, **2013**, 8, 7	4.2	80
93	Downregulation of microRNAs miR-1, -206 and -29 stabilizes PAX3 and CCND2 expression in rhabdomyosarcoma. *Laboratory Investigation*, **2012**, 92, 571-83	5.9	76
92	MicroRNA profiling of BRCA1/2 mutation-carrying and non-mutation-carrying high-grade serous carcinomas of ovary. *PLoS ONE*, **2009**, 4, e7314	3.7	76
91	Competing endogenous RNA database. *Bioinformation*, **2012**, 8, 731-3	1.1	74
90	Regulation of heme oxygenase-1 protein expression by miR-377 in combination with miR-217. *Journal of Biological Chemistry*, **2011**, 286, 3194-202	5.4	73
89	Tunneling nanotube formation is stimulated by hypoxia in ovarian cancer cells. *Oncotarget*, **2016**, 7, 43150-43161	5.3	72
88	Tumor exosomes induce tunneling nanotubes in lipid raft-enriched regions of human mesothelioma cells. *Experimental Cell Research*, **2014**, 323, 178-188	4.2	70

87	Comparative Transcriptome Analysis Quantifies Immune Cell Transcript Levels, Metastatic Progression, and Survival in Osteosarcoma. *Cancer Research*, **2018**, 78, 326-337	10.1	65
86	Genomewide microRNA down-regulation as a negative feedback mechanism in the early phases of liver regeneration. *Hepatology*, **2011**, 54, 609-19	11.2	63
85	Interaction between Host MicroRNAs and the Gut Microbiota in Colorectal Cancer. *MSystems*, **2018**, 3,	7.6	62
84	Triplet repeats in human genome: distribution and their association with genes and other genomic regions. *Bioinformatics*, **2003**, 19, 549-52	7.2	61
83	A genome-wide approach to comparative oncology: high-resolution oligonucleotide aCGH of canine and human osteosarcoma pinpoints shared microaberrations. *Cancer Genetics*, **2012**, 205, 572-87	2.3	59
82	Gene expression profiling identifies p63 as a diagnostic marker for giant cell tumor of the bone. *Modern Pathology*, **2008**, 21, 531-9	9.8	59
81	The gene expression profile of extraskeletal myxoid chondrosarcoma. *Journal of Pathology*, **2005**, 206, 433-44	9.4	58
80	Genome-wide transcriptional profiling reveals microRNA-correlated genes and biological processes in human lymphoblastoid cell lines. *PLoS ONE*, **2009**, 4, e5878	3.7	58
79	Mature microRNAs identified in highly purified nuclei from HCT116 colon cancer cells. *RNA Biology*, **2010**, 7, 606-14	4.8	57
78	Dose-dependent differential mRNA target selection and regulation by let-7a-7f and miR-17-92 cluster microRNAs. *RNA Biology*, **2012**, 9, 1275-87	4.8	55
77	Sequential expression of miR-182 and miR-503 cooperatively targets FBXW7, contributing to the malignant transformation of colon adenoma to adenocarcinoma. *Journal of Pathology*, **2014**, 234, 488-501	9.4	48
76	Combinatorial treatment of DNA and chromatin-modifying drugs cause cell death in human and canine osteosarcoma cell lines. *PLoS ONE*, **2012**, 7, e43720	3.7	48
75	Chemotherapy-Induced Tunneling Nanotubes Mediate Intercellular Drug Efflux in Pancreatic Cancer. *Scientific Reports*, **2018**, 8, 9484	4.9	47
74	Tumor location impacts immune response in mouse models of colon cancer. *Oncotarget*, **2017**, 8, 54775-54787	5.5	44
73	Genome-wide analysis of Bkm sequences (GATA repeats): predominant association with sex chromosomes and potential role in higher order chromatin organization and function. *Bioinformatics*, **2003**, 19, 681-5	7.2	44
72	Triptolide abrogates growth of colon cancer and induces cell cycle arrest by inhibiting transcriptional activation of E2F. *Laboratory Investigation*, **2015**, 95, 648-659	5.9	43
71	Minnelide reduces tumor burden in preclinical models of osteosarcoma. *Cancer Letters*, **2013**, 335, 412-20	9.9	43
70	Mechanisms of Intrinsic Tumor Resistance to Immunotherapy. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	40

69	MicroRNA-708 regulates CD38 expression through signaling pathways JNK MAP kinase and PTEN/AKT in human airway smooth muscle cells. *Respiratory Research*, **2014**, 15, 107	7.3	39
68	CD38 and airway hyper-responsiveness: studies on human airway smooth muscle cells and mouse models. *Canadian Journal of Physiology and Pharmacology*, **2015**, 93, 145-53	2.4	35
67	MicroRNAs as potential target in human bone and soft tissue sarcoma therapeutics. *Frontiers in Molecular Biosciences*, **2015**, 2, 31	5.6	34
66	MicroRNAs in cardiovascular diseases: biology and potential clinical applications. *Journal of Cardiovascular Translational Research*, **2010**, 3, 256-70	3.3	33
65	Expression of subtype-specific group 1 leiomyosarcoma markers in a wide variety of sarcomas by gene expression analysis and immunohistochemistry. *American Journal of Surgical Pathology*, **2011**, 35, 583-9	6.7	30
64	Transcription factor C/EBP- induces tumor-suppressor phosphatase PHLPP2 through repression of the miR-17-92 cluster in differentiating AML cells. *Cell Death and Differentiation*, **2016**, 23, 1232-42	12.7	29
63	Imaging Tunneling Membrane Tubes Elucidates Cell Communication in Tumors. *Trends in Cancer*, **2017**, 3, 678-685	12.5	29
62	MicroRNA-135b and Its Circuitry Networks as Potential Therapeutic Targets in Colon Cancer. *Frontiers in Oncology*, **2013**, 3, 268	5.3	29
61	Cellular and Molecular Networking Within the Ecosystem of Cancer Cell Communication via Tunneling Nanotubes. *Frontiers in Cell and Developmental Biology*, **2018**, 6, 95	5.7	28
60	MicroRNA Regulation of Airway Inflammation and Airway Smooth Muscle Function: Relevance to Asthma. *Drug Development Research*, **2015**, 76, 286-95	5.1	28
59	Transcriptome analysis of garlic-induced hepatoprotection against alcoholic fatty liver. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 11104-19	5.7	27
58	Understanding the Osteosarcoma Pathobiology: A Comparative Oncology Approach. *Veterinary Sciences*, **2016**, 3,	2.4	26
57	MicroRNA Mediated Chemokine Responses in Human Airway Smooth Muscle Cells. *PLoS ONE*, **2016**, 11, e0150842	3.7	26
56	Oncogenic pathways that affect antitumor immune response and immune checkpoint blockade therapy. *Pharmacology & Therapeutics*, **2018**, 181, 76-84	13.9	25
55	CD38 in the pathogenesis of allergic airway disease: Potential therapeutic targets. *Pharmacology & Therapeutics*, **2017**, 172, 116-126	13.9	24
54	Aberrant Retinoblastoma (RB)-E2F Transcriptional Regulation Defines Molecular Phenotypes of Osteosarcoma. *Journal of Biological Chemistry*, **2015**, 290, 28070-28083	5.4	24
53	Integrated Genomic Analysis of Pancreatic Ductal Adenocarcinomas Reveals Genomic Rearrangement Events as Significant Drivers of Disease. *Cancer Research*, **2016**, 76, 749-61	10.1	23
52	Intercellular Transfer of Oncogenic KRAS via Tunneling Nanotubes Introduces Intracellular Mutational Heterogeneity in Colon Cancer Cells. *Cancers*, **2019**, 11,	6.6	23

51	Extreme conservation of noncoding DNA near HoxD complex of vertebrates. *BMC Genomics*, **2004**, 5, 75	4.5	23
50	Comprehensive analysis of microRNA signature of mouse pancreatic acini: overexpression of miR-21-3p in acute pancreatitis. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G974-G980	5.1	23
49	SSRD: simple sequence repeats database of the human genome. *Comparative and Functional Genomics*, **2003**, 4, 342-5		20
48	Pancreatic cancer: modulation of KRAS, MicroRNAs, and intercellular communication in the setting of tumor heterogeneity. *Pancreas*, **2013**, 42, 1218-26	2.6	19
47	OMCD: OncomiR Cancer Database. *BMC Cancer*, **2018**, 18, 1223	4.8	19
46	MicroRNAs as Biomarkers in Cancer. *Diagnostics*, **2013**, 3, 84-104	3.8	18
45	Merit of an Ursodeoxycholic Acid Clinical Trial in COVID-19 Patients. *Vaccines*, **2020**, 8,	5.3	16
44	MicroRNA-mediated gene regulations in human sarcomas. *Cellular and Molecular Life Sciences*, **2012**, 69, 3571-85	10.3	16
43	microRNA-Mediated Tumor-Microbiota Metabolic Interactions in Colorectal Cancer. *DNA and Cell Biology*, **2019**, 38, 281-285	3.6	15
42	A transwell assay that excludes exosomes for assessment of tunneling nanotube-mediated intercellular communication. *Cell Communication and Signaling*, **2017**, 15, 46	7.5	15
41	A highly conserved human gene encoding a novel member of WD-repeat family of proteins (WDR13). *Genomics*, **2003**, 81, 315-28	4.3	15
40	CD38/cADPR Signaling Pathway in Airway Disease: Regulatory Mechanisms. *Mediators of Inflammation*, **2018**, 2018, 8942042	4.3	15
39	Host?MicroRNA?Microbiota Interactions in Colorectal Cancer. *Genes*, **2019**, 10,	4.2	14
38	Extreme conservation of non-repetitive non-coding regions near HoxDcomplex of vertebrates **2003**, 4, P2		14
37	Mucosal Microbiota and Metabolome along the Intestinal Tract Reveal a Location-Specific Relationship. *MSystems*, **2020**, 5,	7.6	12
36	Lost in translation: applying 2D intercellular communication via tunneling nanotubes in cell culture to physiologically relevant 3D microenvironments. *FEBS Journal*, **2017**, 284, 699-707	5.7	12
35	A mouse gene encoding a novel member of the WD family of proteins is highly conserved and predominantly expressed in the testis (Wdr13). *Molecular Reproduction and Development*, **2005**, 72, 299-310	2.6	11
34	Identification, by systematic RNA sequencing, of novel candidate biomarkers and therapeutic targets in human soft tissue tumors. *Laboratory Investigation*, **2015**, 95, 1077-88	5.9	10

33	Imprinting defects at human 14q32 locus alters gene expression and is associated with the pathobiology of osteosarcoma. *Oncotarget*, **2016**, 7, 21298-314	3.3	10
32	Heterotypic mouse models of canine osteosarcoma recapitulate tumor heterogeneity and biological behavior. *DMM Disease Models and Mechanisms*, **2016**, 9, 1435-1444	4.1	10
31	The Oncogenic Response to MiR-335 Is Associated with Cell Surface Expression of Membrane-Type 1 Matrix Metalloproteinase (MT1-MMP) Activity. *PLoS ONE*, **2015**, 10, e0132026	3.7	9
30	MRD: a microsatellite repeats database for prokaryotic and eukaryotic genomes. *Genome Biology*, **2002**, 3, PREPRINT0011	18.3	8
29	Chemotherapy but Not the Tumor Draining Lymph Nodes Determine the Immunotherapy Response in Secondary Tumors. *IScience*, **2020**, 23, 101056	6.1	8
28	Tumor-Secreted Extracellular Vesicles Regulate T-Cell Costimulation and Can Be Manipulated To Induce Tumor-Specific T-Cell Responses. *Gastroenterology*, **2021**, 161, 560-574.e11	13.3	8
27	Expression of FGFR3 and FGFR4 and clinical risk factors associated with progression-free survival in synovial sarcoma. *Human Pathology*, **2013**, 44, 1918-26	3.7	6
26	Unique case of deletion and duplication in the long arm of the Y chromosome in an individual with ambiguous genitalia. *American Journal of Medical Genetics Part A*, **2003**, 116A, 205-7		6
25	Cooperation between SS18-SSX1 and miR-214 in Synovial Sarcoma Development and Progression. *Cancers*, **2020**, 12,	6.6	5
24	Intestinal organoids: a model to study the role of microbiota in the colonic tumor microenvironment. *Future Microbiology*, **2020**, 15, 1583-1594	2.9	5
23	MicroRNA-155 contributes to plexiform neurofibroma growth downstream of MEK. *Oncogene*, **2021**, 40, 951-963	9.2	5
22	microRNAs in the Malignant Transformation Process. *Advances in Experimental Medicine and Biology* , **2015**, 889, 1-21	3.6	4
21	internal tandem duplication disrupts GTPase-activating protein (GAP) binding to activate oncogenic signaling. *Journal of Biological Chemistry*, **2020**, 295, 9335-9348	5.4	3
20	Acquired Resistance to Immune Checkpoint Blockade Therapies. *Cancers*, **2020**, 12,	6.6	3
19	Genotypic and phenotypic signatures to predict immune checkpoint blockade therapy response in patients with colorectal cancer. *Translational Research*, **2018**, 196, 62-70	11	3
18	Mucosal microbiota and metabolome along the intestinal tracts reveals location specific relationship		3
17	Frequency of MicroRNA Response Elements Identifies Pathologically Relevant Signaling Pathways in Triple-Negative Breast Cancer. *IScience*, **2020**, 23, 101249	6.1	3
16	Changing Oncology Treatment Paradigms in the COVID-19 Pandemic. *Clinical Colorectal Cancer*, **2020**, 19, 153-155	3.8	2

15	Analysis of Differentially Expressed MicroRNAs and Circulating Tumor Cells as Predictive Biomarkers of Platinum Chemoresistance in Primary Ovarian Carcinomas: A Prospective Study. *Oncologist*, **2019**, 24, 1422-e1013	5.7	2
14	Abstract 817: Unbiased discovery of exosome-associated biomarkers using xenograft models **2017**,		2
13	MicroRNA miR-182 cluster mediated modulation of RECK without changes in cell surface membrane type-1 matrix metalloproteinase (MT1-MMP). *American Journal of Cancer Research*, **2015** , 5, 2918-28	4.4	2
12	Tunneling Nanotubes: Intercellular Conduits for Direct Cell-to-Cell Communication in Cancer **2015**, 201-225		2
11	Development of an exosomal gene signature to detect residual disease in dogs with osteosarcoma using a novel xenograft platform and machine learning. *Laboratory Investigation*, **2021**, 101, 1585-1596	5.9	2
10	Tumor models to assess immune response and tumor-microbiome interactions in colorectal cancer. *Pharmacology & Therapeutics*, **2021**, 231, 107981	13.9	2
9	MicroRNAs in the pathobiology of sarcomas. *Laboratory Investigation*, **2015**, 95, 987-94	5.9	1
8	Gaucher disease - more than just a rare lipid storage disease.. *Journal of Molecular Medicine*, **2022**, 1	5.5	1
7	Chemotherapy but not the tumor draining lymph nodes determine the immunotherapy response in secondary tumors		1
6	Comparative analysis of genome-wide DNA methylation identifies patterns that associate with conserved transcriptional programs in osteosarcoma. *Bone*, **2020**, 115716	4.7	1
5	Exosomes and Tunneling Nanotube Conduits **2018**, 219-234		
4	Novel Methods to Overcome Acquired Resistance to Immunotherapy. *Resistance To Targeted Anti-cancer Therapeutics*, **2019**, 97-129	0.3	
3	A novel RAS internal tandem duplication involving the switch II domain disrupts GAP-binding and activates oncogenic signaling.. *Journal of Clinical Oncology*, **2019**, 37, e15069-e15069	2.2	
2	MicroRNA Control of Apoptotic Programs in Cancer **2013**, 503-530		
1	Tunneling nanotubes and intercellular communication: Differences between platinum-resistant and platinum-sensitive ovarian cancer.. *Journal of Clinical Oncology*, **2013**, 31, e22007-e22007	2.2	