Subbaya Subramanian

List of Publications by Year
in descending order

Version: 2024-02-01

136 papers	9,021 citations	36271 51 h-index	42364 92 g-index
147 all docs	147 docs citations	147 times ranked	13035 citing authors

#	Article	IF	Citations
1	The Novel Marker, DOG1, Is Expressed Ubiquitously in Gastrointestinal Stromal Tumors Irrespective of KIT or PDGFRA Mutation Status. American Journal of Pathology, 2004, 165, 107-113.	1.9	593
2	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, 690-695.	3.3	474
3	A Novel Monoclonal Antibody Against DOG1 is a Sensitive and Specific Marker for Gastrointestinal Stromal Tumors. American Journal of Surgical Pathology, 2008, 32, 210-218.	2.1	399
4	Competing endogenous RNAs (ceRNAs): new entrants to the intricacies of gene regulation. Frontiers in Genetics, 2014, 5, 8.	1.1	328
5	Genome-wide analysis of microsatellite repeats in humans: their abundance and density in specific genomic regions. Genome Biology, 2003, 4, R13.	13.9	319
6	TLE1 as a Diagnostic Immunohistochemical Marker for Synovial Sarcoma Emerging From Gene Expression Profiling Studies. American Journal of Surgical Pathology, 2007, 31, 240-246.	2.1	313
7	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.	1.1	281
8	MicroRNA miR-183 Functions as an Oncogene by Targeting the Transcription FactorEGR1and Promoting Tumor Cell Migration. Cancer Research, 2010, 70, 9570-9580.	0.4	277
9	Intraepithelial T cells and prognosis in ovarian carcinoma: novel associations with stage, tumor type, and BRCA1 loss. Modern Pathology, 2009, 22, 393-402.	2.9	241
10	MicroRNA expression signature of human sarcomas. Oncogene, 2008, 27, 2015-2026.	2.6	214
11	Determination of Stromal Signatures in Breast Carcinoma. PLoS Biology, 2005, 3, e187.	2.6	180
12	A compact VEGF signature associated with distant metastases and poor outcomes. BMC Medicine, 2009, 7, 9.	2.3	162
13	Prognostic Significance of Macrophage Infiltration in Leiomyosarcomas. Clinical Cancer Research, 2008, 14, 1423-1430.	3.2	152
14	Circular RNAs and their associations with breast cancer subtypes. Oncotarget, 2016, 7, 80967-80979.	0.8	140
15	Tumor-stromal cross talk: direct cell-to-cell transfer of oncogenic microRNAs via tunneling nanotubes. Translational Research, 2014, 164, 359-365.	2.2	139
16	Gastrointestinal stromal tumors (GISTs) with KIT and PDGFRA mutations have distinct gene expression profiles. Oncogene, 2004, 23, 7780-7790.	2.6	137
17	MicroRNAs as gatekeepers of apoptosis. Journal of Cellular Physiology, 2010, 223, 289-298.	2.0	135
18	Gene Networks and microRNAs Implicated in Aggressive Prostate Cancer. Cancer Research, 2009, 69, 9490-9497.	0.4	133

#	Article	IF	Citations
19	Intrinsic Resistance of Solid Tumors to Immune Checkpoint Blockade Therapy. Cancer Research, 2017, 77, 817-822.	0.4	132
20	miRNA Expression in Colon Polyps Provides Evidence for a Multihit Model of Colon Cancer. PLoS ONE, 2011, 6, e20465.	1.1	127
21	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, 1266-1275.	1.9	123
22	Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. Bone, 2012, 50, 171-181.	1.4	122
23	Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach. Bone, 2011, 49, 356-367.	1.4	117
24	Tunneling nanotube formation is stimulated by hypoxia in ovarian cancer cells. Oncotarget, 2016, 7, 43150-43161.	0.8	108
25	Genomeâ€wide transcriptome analyses reveal p53 inactivation mediated loss of miRâ€34a expression in malignant peripheral nerve sheath tumours. Journal of Pathology, 2010, 220, 58-70.	2.1	106
26	Histone Deacetylase Inhibitors Reverse SS18-SSXâ€“Mediated Polycomb Silencing of the Tumor Suppressor Early Growth Response 1 in Synovial Sarcoma. Cancer Research, 2008, 68, 4303-4310.	0.4	104
27	Tunneling Nanotubes. Communicative and Integrative Biology, 2012, 5, 399-403.	0.6	103
28	Comparative Transcriptome Analysis Quantifies Immune Cell Transcript Levels, Metastatic Progression, and Survival in Osteosarcoma. Cancer Research, 2018, 78, 326-337.	0.4	100
29	Interaction between Host MicroRNAs and the Gut Microbiota in Colorectal Cancer. MSystems, 2018, 3, .	1.7	97
30	S-MED: Sarcoma microRNA Expression Database. Laboratory Investigation, 2010, 90, 753-761.	1.7	95
31	miR-140-3p regulation of TNF-Î±-induced CD38 expression in human airway smooth muscle cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L460-L468.	1.3	92
32	Downregulation of microRNAs miR-1, -206 and -29 stabilizes PAX3 and CCND2 expression in rhabdomyosarcoma. Laboratory Investigation, 2012, 92, 571-583.	1.7	91
33	MicroRNAs at the human 14q32 locus have prognostic significance in osteosarcoma. Orphanet Journal of Rare Diseases, 2013, 8, 7.	1.2	89
34	Tumor exosomes induce tunneling nanotubes in lipid raft-enriched regions of human mesothelioma cells. Experimental Cell Research, 2014, 323, 178-188.	1.2	88
35	Competing endogenous RNA database. Bioinformation, 2012, 8, 731-733.	0.2	86
36	MicroRNA Profiling of BRCA1/2 Mutation-Carrying and Non-Mutation-Carrying High-Grade Serous Carcinomas of Ovary. PLoS ONE, 2009, 4, e7314.	1.1	83

#	Article	IF	Citations
37	Chemotherapy-Induced Tunneling Nanotubes Mediate Intercellular Drug Efflux in Pancreatic Cancer. Scientific Reports, 2018, 8, 9484.	1.6	79
38	Regulation of Heme Oxygenase-1 Protein Expression by miR-377 in Combination with miR-217. Journal of Biological Chemistry, 2011, 286, 3194-3202.	1.6	76
39	Tumor location impacts immune response in mouse models of colon cancer. Oncotarget, 2017, 8, 54775-54787.	0.8	75
40	Dose-dependent differential mRNA target selection and regulation by let-7a-7f and miR-17-92 cluster microRNAs. RNA Biology, 2012, 9, 1275-1287.	1.5	73
41	Genomewide microRNA down-regulation as a negative feedback mechanism in the early phases of liver regeneration. Hepatology, 2011, 54, 609-619.	3.6	72
42	Gene expression profiling identifies p63 as a diagnostic marker for giant cell tumor of the bone. Modern Pathology, 2008, 21, 531-539.	2.9	71
43	A genome-wide approach to comparative oncology: high-resolution oligonucleotide aCGH of canine and human osteosarcoma pinpoints shared microaberrations. Cancer Genetics, 2012, 205, 572-587.	0.2	70
44	Triplet repeats in human genome: distribution and their association with genes and other genomic regions. Bioinformatics, 2003, 19, 549-552.	1.8	66
45	Mature microRNAs identified in highly purified nuclei from HCT116 colon cancer cells. RNA Biology, 2010, 7, 606-614.	1.5	66
46	The gene expression profile of extraskeletal myxoid chondrosarcoma. Journal of Pathology, 2005, 206, 433-444.	2.1	65
47	Genome-Wide Transcriptional Profiling Reveals MicroRNA-Correlated Genes and Biological Processes in Human Lymphoblastoid Cell Lines. PLoS ONE, 2009, 4, e5878.	1.1	64
48	Mechanisms of Intrinsic Tumor Resistance to Immunotherapy. International Journal of Molecular Sciences, 2018, 19, 1340.	1.8	61
49	Sequential expression of <scp>miR</scp>â€182 and <scp>miR</scp>â€503 cooperatively targets <scp>FBXW7</scp>, contributing to the malignant transformation of colon adenoma to adenocarcinoma. Journal of Pathology, 2014, 234, 488-501.	2.1	59
50	Triptolide abrogates growth of colon cancer and induces cell cycle arrest by inhibiting transcriptional activation of E2F. Laboratory Investigation, 2015, 95, 648-659.	1.7	59
51	Combinatorial Treatment of DNA and Chromatin-Modifying Drugs Cause Cell Death in Human and Canine Osteosarcoma Cell Lines. PLoS ONE, 2012, 7, e43720.	1.1	57
52	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, 681-685.	1.8	51
53	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.	1.4	51
54	Minnelide reduces tumor burden in preclinical models of osteosarcoma. Cancer Letters, 2013, 335, 412-420.	3.2	49

#	Article	IF	Citations
55	Oncogenic pathways that affect antitumor immune response and immune checkpoint blockade therapy. , 2018, 181, 76-84.		49
56	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.	0.6	47
57	Cellular and Molecular Networking Within the Ecosystem of Cancer Cell Communication via Tunneling Nanotubes. Frontiers in Cell and Developmental Biology, 2018, 6, 95.	1.8	44
58	Intercellular Transfer of Oncogenic KRAS via Tunneling Nanotubes Introduces Intracellular Mutational Heterogeneity in Colon Cancer Cells. Cancers, 2019, 11, 892.	1.7	43
59	OMCD: OncomiR Cancer Database. BMC Cancer, 2018, 18, 1223.	1.1	42
60	MicroRNAs as potential target in human bone and soft tissue sarcoma therapeutics. Frontiers in Molecular Biosciences, 2015, 2, 31.	1.6	40
61	CD38 and airway hyper-responsiveness: studies on human airway smooth muscle cells and mouse models. Canadian Journal of Physiology and Pharmacology, 2015, 93, 145-153.	0.7	40
62	Understanding the Osteosarcoma Pathobiology: A Comparative Oncology Approach. Veterinary Sciences, 2016, 3, 3.	0.6	39
63	Imaging Tunneling Membrane Tubes Elucidates Cell Communication in Tumors. Trends in Cancer, 2017, 3, 678-685.	3.8	38
64	MicroRNAs in Cardiovascular Diseases: Biology and Potential Clinical Applications. Journal of Cardiovascular Translational Research, 2010, 3, 256-270.	1.1	36
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, 583-589.	2.1	35
66	Transcriptome Analysis of Garlic-Induced Hepatoprotection against Alcoholic Fatty Liver. Journal of Agricultural and Food Chemistry, 2012, 60, 11104-11119.	2.4	35
67	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.	1.6	35
68	Transcription factor C/EBP-Î² induces tumor-suppressor phosphatase PHLPP2 through repression of the miR-17â€“92 cluster in differentiating AML cells. Cell Death and Differentiation, 2016, 23, 1232-1242.	5.0	35
69	Aberrant Retinoblastoma (RB)-E2F Transcriptional Regulation Defines Molecular Phenotypes of Osteosarcoma. Journal of Biological Chemistry, 2015, 290, 28070-28083.	1.6	34
70	MicroRNA Regulation of Airway Inflammation and Airway Smooth Muscle Function: Relevance to Asthma. Drug Development Research, 2015, 76, 286-295.	1.4	34
71	Circulating microRNAs as biomarkers: A new frontier in diagnostics. Liver Transplantation, 2012, 18, 265-269.	1.3	33
72	MicroRNA-135b and Its Circuitry Networks as Potential Therapeutic Targets in Colon Cancer. Frontiers in Oncology, 2013, 3, 268.	1.3	33

#	Article	IF	Citations
73	CD38 in the pathogenesis of allergic airway disease: Potential therapeutic targets. , 2017, 172, 116-126.		32
74	MicroRNA Mediated Chemokine Responses in Human Airway Smooth Muscle Cells. PLoS ONE, 2016, 11, e0150842.	1.1	31
75	A highly conserved human gene encoding a novel member of WD-repeat family of proteins (WDR13). Genomics, 2003, 81, 315-328.	1.3	30
76	Merit of an Ursodeoxycholic Acid Clinical Trial in COVID-19 Patients. Vaccines, 2020, 8, 320.	2.1	28
77	Integrated Genomic Analysis of Pancreatic Ductal Adenocarcinomas Reveals Genomic Rearrangement Events as Significant Drivers of Disease. Cancer Research, 2016, 76, 749-761.	0.4	27
78	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.	1.0	26
79	MicroRNAs as Biomarkers in Cancer. Diagnostics, 2013, 3, 84-104.	1.3	26
80	Extreme conservation of noncoding DNA near HoxD complex of vertebrates. BMC Genomics, 2004, 5, 75.	1.2	25
81	A transwell assay that excludes exosomes for assessment of tunneling nanotube-mediated intercellular communication. Cell Communication and Signaling, 2017, 15, 46.	2.7	25
82	Mucosal Microbiota and Metabolome along the Intestinal Tract Reveal a Location-Specific Relationship. MSystems, 2020, 5, .	1.7	25
83	SSRD: Simple Sequence Repeats Database of the Human Genome. Comparative and Functional Genomics, 2003, 4, 342-345.	2.0	23
84	Hostâ€“MicroRNAâ€“Microbiota Interactions in Colorectal Cancer. Genes, 2019, 10, 270.	1.0	22
85	CD38/cADPR Signaling Pathway in Airway Disease: Regulatory Mechanisms. Mediators of Inflammation, 2018, 2018, 1-10.	1.4	21
86	MicroRNA-mediated gene regulations in human sarcomas. Cellular and Molecular Life Sciences, 2012, 69, 3571-3585.	2.4	20
87	Pancreatic Cancer. Pancreas, 2013, 42, 1218-1226.	0.5	20
88	microRNA-Mediated Tumorâ€“Microbiota Metabolic Interactions in Colorectal Cancer. DNA and Cell Biology, 2019, 38, 281-285.	0.9	19
89	Lost in translation: applying 2D intercellular communication via tunneling nanotubes in cell culture to physiologically relevant 3D microenvironments. FEBS Journal, 2017, 284, 699-707.	2.2	18
90	Identification, by systematic RNA sequencing, of novel candidate biomarkers and therapeutic targets in human soft tissue tumors. Laboratory Investigation, 2015, 95, 1077-1088.	1.7	16

#	Article	IF	Citations
91	Imprinting defects at human 14q32 locus alters gene expression and is associated with the pathobiology of osteosarcoma. Oncotarget, 2016, 7, 21298-21314.	0.8	16
92	Extreme conservation of non-repetitive non-coding regions near HoxDcomplex of vertebrates. Genome Biology, 2003, 4, P2.	13.9	15
93	Heterotypic models of osteosarcoma recapitulate tumor heterogeneity and biological behavior. DMM Disease Models and Mechanisms, 2016, 9, 1435-1444.	1.2	15
94	Chemotherapy but Not the Tumor Draining Lymph Nodes Determine the Immunotherapy Response in Secondary Tumors. IScience, 2020, 23, 101056.	1.9	15
95	ACKR4 in Tumor Cells Regulates Dendritic Cell Migration to Tumor-Draining Lymph Nodes and T-Cell Priming. Cancers, 2021, 13, 5021.	1.7	13
96	Gaucher disease â€“ more than just a rare lipid storage disease. Journal of Molecular Medicine, 2022, 100, 499-518.	1.7	13
97	MicroRNA-155 contributes to plexiform neurofibroma growth downstream of MEK. Oncogene, 2021, 40, 951-963.	2.6	12
98	Cooperation between SS18-SSX1 and miR-214 in Synovial Sarcoma Development and Progression. Cancers, 2020, 12, 324.	1.7	11
99	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.	1.1	10
100	Genotypic and phenotypic signatures to predict immune checkpoint blockade therapy response in patients with colorectal cancer. Translational Research, 2018, 196, 62-70.	2.2	9
101	Acquired Resistance to Immune Checkpoint Blockade Therapies. Cancers, 2020, 12, 1161.	1.7	9
102	Tumor models to assess immune response and tumor-microbiome interactions in colorectal cancer. , 2021, 231, 107981.		9
103	MRD: a microsatellite repeats database for prokaryotic and eukaryotic genomes. Genome Biology, 2002, 3, preprint0011.1.	13.9	8
104	RAS internal tandem duplication disrupts GTPase-activating protein (GAP) binding to activate oncogenic signaling. Journal of Biological Chemistry, 2020, 295, 9335-9348.	1.6	8
105	Expression of FGFR3 and FGFR4 and clinical risk factors associated with progression-free survival in synovial sarcoma. Human Pathology, 2013, 44, 1918-1926.	1.1	7
106	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, 205-207.	2.4	6
107	Intestinal organoids: a model to study the role of microbiota in the colonic tumor microenvironment. Future Microbiology, 2020, 15, 1583-1594.	1.0	6
108	MicroRNAs in the pathobiology of sarcomas. Laboratory Investigation, 2015, 95, 987-994.	1.7	5

#	Article	IF	Citations
109	Frequency of MicroRNA Response Elements Identifies Pathologically Relevant Signaling Pathways in Triple-Negative Breast Cancer. IScience, 2020, 23, 101249.	1.9	5
110	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.	1.7	5
111	microRNAs in the Malignant Transformation Process. Advances in Experimental Medicine and Biology, 2015, 889, 1-21.	0.8	4
112	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.	1.9	4
113	Comparative analysis of genome-wide DNA methylation identifies patterns that associate with conserved transcriptional programs in osteosarcoma. Bone, 2022, 158, 115716.	1.4	4
114	Imprinting defects in osteosarcoma: DNA- and chromatin-modifying drugs hold promise for osteosarcoma therapy. Epigenomics, 2016, 8, 885-888.	1.0	3
115	Tunneling Nanotubes: Intercellular Conduits for Direct Cell-to-Cell Communication in Cancer. , 2015, , 201-225.		3
116	Cancer Immunology and Immunotherapies: Mechanisms That Affect Antitumor Immune Response and Treatment Resistance. Cancers, 2021, 13, 5655.	1.7	3
117	Changing Oncology Treatment Paradigms in the COVID-19 Pandemic. Clinical Colorectal Cancer, 2020, 19, 153-155.	1.0	2
118	Abstract 817: Unbiased discovery of exosome-associated biomarkers using xenograft models. Cancer Research, 2017, 77, 817-817.	0.4	2
119	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.	1.4	2
120	Abstract B19: RB function as a central component of osteosarcoma behavior: A comparative assessment in dogs and humans. , 2014, , .		1
121	Tunneling nanotubes and intercellular communication: a novel approach to chemo-resistance in ovarian cancer. Journal of the American College of Surgeons, 2013, 217, S72.	0.2	0
122	FBxW7 as a predictor of outcomes in ovarian cancer. Journal of the American College of Surgeons, 2013, 217, S72-S73.	0.2	0
123	Exosomes and Tunneling Nanotube Conduits. , 2018, , 219-234.		0
124	Decrease in T-Lymphocyte Mitochondrial DNA Copy Number Is Associated with Acute Graft Versus Host Disease. Biology of Blood and Marrow Transplantation, 2020, 26, S176-S177.	2.0	0
125	MicroRNA Control of Apoptotic Programs in Cancer. , 2013, , 503-530.		0
126	Tunneling nanotubes and intercellular communication: Differences between platinum-resistant and platinum-sensitive ovarian cancer.. Journal of Clinical Oncology, 2013, 31, e22007-e22007.	0.8	0

#	Article	IF	Citations
127	Abstract A17: FBxW7 duality in ovarian cancer: Novel insight into ovarian cancer pathogenesis. , 2013, , .		0
128	Abstract 3599: Long-distance intercellular transport of microRNAs via tunneling nanotubes: Role in tumor-stroma interactions and malignant potential. , 2014, , .		0
129	Abstract 4368: MicroRNAs miR-503 and -182 regulate FBXW7 contributing to the malignant transformation to colon adenocarcinoma. , 2014, , .		0
130	Abstract 3189: Tunneling nanotube formation is significantly upregulated in invasive cancer cells. , 2015, , .		0
131	Abstract B24: Identification of immunosuppressive networks in colon cancer. , 2016, , .		0
132	Abstract 1097: The miR-17-92 microRNA cluster plays a crucial role in osteosarcoma progression. , 2016, , .		0
133	Abstract PR14: Immune cell transcript levels, metastatic progression, and survival in osteosarcoma: A comparative transcriptome analysis. , 2018, , .		0
134	Abstract 3399: Comparative genomic analyses of osteosarcoma etiology reveal a chromosomal structural rationale for the increased incidence of osteosarcoma in dogs. , 2018, , .		0
135	Novel Methods to Overcome Acquired Resistance to Immunotherapy. Resistance To Targeted Anti-cancer Therapeutics, 2019, , 97-129.	0.1	0
136	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.	0.8	0