

# Subbaya Subramanian

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Gaucher disease - more than just a rare lipid storage disease.. <i>Journal of Molecular Medicine</i> , <b>2022</b> , 1	5.5	1
121	MicroRNA-155 contributes to plexiform neurofibroma growth downstream of MEK. <i>Oncogene</i> , <b>2021</b> , 40, 951-963	9.2	5
120	Tumor-Secreted Extracellular Vesicles Regulate T-Cell Costimulation and Can Be Manipulated To Induce Tumor-Specific T-Cell Responses. <i>Gastroenterology</i> , <b>2021</b> , 161, 560-574.e11	13.3	8
119	Development of an exosomal gene signature to detect residual disease in dogs with osteosarcoma using a novel xenograft platform and machine learning. <i>Laboratory Investigation</i> , <b>2021</b> , 101, 1585-1596	5.9	2
118	Tumor models to assess immune response and tumor-microbiome interactions in colorectal cancer. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 231, 107981	13.9	2
117	Changing Oncology Treatment Paradigms in the COVID-19 Pandemic. <i>Clinical Colorectal Cancer</i> , <b>2020</b> , 19, 153-155	3.8	2
116	internal tandem duplication disrupts GTPase-activating protein (GAP) binding to activate oncogenic signaling. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 9335-9348	5.4	3
115	Acquired Resistance to Immune Checkpoint Blockade Therapies. <i>Cancers</i> , <b>2020</b> , 12,	6.6	3
114	Mucosal Microbiota and Metabolome along the Intestinal Tract Reveal a Location-Specific Relationship. <i>MSystems</i> , <b>2020</b> , 5,	7.6	12
113	Merit of an Ursodeoxycholic Acid Clinical Trial in COVID-19 Patients. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	16
112	Cooperation between SS18-SSX1 and miR-214 in Synovial Sarcoma Development and Progression. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
111	Chemotherapy but Not the Tumor Draining Lymph Nodes Determine the Immunotherapy Response in Secondary Tumors. <i>IScience</i> , <b>2020</b> , 23, 101056	6.1	8
110	Frequency of MicroRNA Response Elements Identifies Pathologically Relevant Signaling Pathways in Triple-Negative Breast Cancer. <i>IScience</i> , <b>2020</b> , 23, 101249	6.1	3
109	Comparative analysis of genome-wide DNA methylation identifies patterns that associate with conserved transcriptional programs in osteosarcoma. <i>Bone</i> , <b>2020</b> , 115716	4.7	1
108	Intestinal organoids: a model to study the role of microbiota in the colonic tumor microenvironment. <i>Future Microbiology</i> , <b>2020</b> , 15, 1583-1594	2.9	5
107	microRNA-Mediated Tumor-Microbiota Metabolic Interactions in Colorectal Cancer. <i>DNA and Cell Biology</i> , <b>2019</b> , 38, 281-285	3.6	15
106	Host?MicroRNA?Microbiota Interactions in Colorectal Cancer. <i>Genes</i> , <b>2019</b> , 10,	4.2	14

105	Intercellular Transfer of Oncogenic KRAS via Tunneling Nanotubes Introduces Intracellular Mutational Heterogeneity in Colon Cancer Cells. <i>Cancers</i> , <b>2019</b> , 11,	6.6	23
104	Analysis of Differentially Expressed MicroRNAs and Circulating Tumor Cells as Predictive Biomarkers of Platinum Chemoresistance in Primary Ovarian Carcinomas: A Prospective Study. <i>Oncologist</i> , <b>2019</b> , 24, 1422-e1013	5.7	2
103	Novel Methods to Overcome Acquired Resistance to Immunotherapy. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , <b>2019</b> , 97-129	0.3	
102	A novel RAS internal tandem duplication involving the switch II domain disrupts GAP-binding and activates oncogenic signaling.. <i>Journal of Clinical Oncology</i> , <b>2019</b> , 37, e15069-e15069	2.2	
101	Genotypic and phenotypic signatures to predict immune checkpoint blockade therapy response in patients with colorectal cancer. <i>Translational Research</i> , <b>2018</b> , 196, 62-70	11	3
100	Oncogenic pathways that affect antitumor immune response and immune checkpoint blockade therapy. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 181, 76-84	13.9	25
99	Comparative Transcriptome Analysis Quantifies Immune Cell Transcript Levels, Metastatic Progression, and Survival in Osteosarcoma. <i>Cancer Research</i> , <b>2018</b> , 78, 326-337	10.1	65
98	Mechanisms of Intrinsic Tumor Resistance to Immunotherapy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	40
97	Cellular and Molecular Networking Within the Ecosystem of Cancer Cell Communication via Tunneling Nanotubes. <i>Frontiers in Cell and Developmental Biology</i> , <b>2018</b> , 6, 95	5.7	28
96	Exosomes and Tunneling Nanotube Conduits <b>2018</b> , 219-234		
95	Chemotherapy-Induced Tunneling Nanotubes Mediate Intercellular Drug Efflux in Pancreatic Cancer. <i>Scientific Reports</i> , <b>2018</b> , 8, 9484	4.9	47
94	OMCD: OncomiR Cancer Database. <i>BMC Cancer</i> , <b>2018</b> , 18, 1223	4.8	19
93	Interaction between Host MicroRNAs and the Gut Microbiota in Colorectal Cancer. <i>MSystems</i> , <b>2018</b> , 3,	7.6	62
92	CD38/cADPR Signaling Pathway in Airway Disease: Regulatory Mechanisms. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 8942042	4.3	15
91	Intrinsic Resistance of Solid Tumors to Immune Checkpoint Blockade Therapy. <i>Cancer Research</i> , <b>2017</b> , 77, 817-822	10.1	88
90	CD38 in the pathogenesis of allergic airway disease: Potential therapeutic targets. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 172, 116-126	13.9	24
89	A transwell assay that excludes exosomes for assessment of tunneling nanotube-mediated intercellular communication. <i>Cell Communication and Signaling</i> , <b>2017</b> , 15, 46	7.5	15
88	Tumor location impacts immune response in mouse models of colon cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 54775-54787	5.4	44

87	Imaging Tunneling Membrane Tubes Elucidates Cell Communication in Tumors. <i>Trends in Cancer</i> , <b>2017</b> , 3, 678-685	12.5	29
86	Lost in translation: applying 2D intercellular communication via tunneling nanotubes in cell culture to physiologically relevant 3D microenvironments. <i>FEBS Journal</i> , <b>2017</b> , 284, 699-707	5.7	12
85	Abstract 817: Unbiased discovery of exosome-associated biomarkers using xenograft models <b>2017</b> ,		2
84	Transcription factor C/EBP- $\beta$ induces tumor-suppressor phosphatase PHLPP2 through repression of the miR-17-92 cluster in differentiating AML cells. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 1232-42	12.7	29
83	Integrated Genomic Analysis of Pancreatic Ductal Adenocarcinomas Reveals Genomic Rearrangement Events as Significant Drivers of Disease. <i>Cancer Research</i> , <b>2016</b> , 76, 749-61	10.1	23
82	Imprinting defects at human 14q32 locus alters gene expression and is associated with the pathobiology of osteosarcoma. <i>Oncotarget</i> , <b>2016</b> , 7, 21298-314	3.3	10
81	Tunneling nanotube formation is stimulated by hypoxia in ovarian cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 43150-43161	5.3	11
80	Understanding the Osteosarcoma Pathobiology: A Comparative Oncology Approach. <i>Veterinary Sciences</i> , <b>2016</b> , 3,	2.4	26
79	MicroRNA Mediated Chemokine Responses in Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0150842	3.7	26
78	Circular RNAs and their associations with breast cancer subtypes. <i>Oncotarget</i> , <b>2016</b> , 7, 80967-80979	3.3	111
77	Heterotypic mouse models of canine osteosarcoma recapitulate tumor heterogeneity and biological behavior. <i>DMM Disease Models and Mechanisms</i> , <b>2016</b> , 9, 1435-1444	4.1	10
76	Comprehensive analysis of microRNA signature of mouse pancreatic acini: overexpression of miR-21-3p in acute pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G974-G980	5.1	23
75	Identification, by systematic RNA sequencing, of novel candidate biomarkers and therapeutic targets in human soft tissue tumors. <i>Laboratory Investigation</i> , <b>2015</b> , 95, 1077-88	5.9	10
74	Triptolide abrogates growth of colon cancer and induces cell cycle arrest by inhibiting transcriptional activation of E2F. <i>Laboratory Investigation</i> , <b>2015</b> , 95, 648-659	5.9	43
73	MicroRNAs in the pathobiology of sarcomas. <i>Laboratory Investigation</i> , <b>2015</b> , 95, 987-94	5.9	1
72	CD38 and airway hyper-responsiveness: studies on human airway smooth muscle cells and mouse models. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2015</b> , 93, 145-53	2.4	35
71	Aberrant Retinoblastoma (RB)-E2F Transcriptional Regulation Defines Molecular Phenotypes of Osteosarcoma. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 28070-28083	5.4	24
70	MicroRNA Regulation of Airway Inflammation and Airway Smooth Muscle Function: Relevance to Asthma. <i>Drug Development Research</i> , <b>2015</b> , 76, 286-95	5.1	28

69	MicroRNAs as potential target in human bone and soft tissue sarcoma therapeutics. <i>Frontiers in Molecular Biosciences</i> , <b>2015</b> , 2, 31	5.6	34
68	The Oncogenic Response to MiR-335 Is Associated with Cell Surface Expression of Membrane-Type 1 Matrix Metalloproteinase (MT1-MMP) Activity. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132026	3.7	9
67	microRNAs in the Malignant Transformation Process. <i>Advances in Experimental Medicine and Biology</i> , <b>2015</b> , 889, 1-21	3.6	4
66	MicroRNA miR-182 cluster mediated modulation of RECK without changes in cell surface membrane type-1 matrix metalloproteinase (MT1-MMP). <i>American Journal of Cancer Research</i> , <b>2015</b> , 5, 2918-28	4.4	2
65	Tunneling Nanotubes: Intercellular Conduits for Direct Cell-to-Cell Communication in Cancer <b>2015</b> , 201-225		2
64	Tumor exosomes induce tunneling nanotubes in lipid raft-enriched regions of human mesothelioma cells. <i>Experimental Cell Research</i> , <b>2014</b> , 323, 178-188	4.2	70
63	Sequential expression of miR-182 and miR-503 cooperatively targets FBXW7, contributing to the malignant transformation of colon adenoma to adenocarcinoma. <i>Journal of Pathology</i> , <b>2014</b> , 234, 488-501	9.4	48
62	MicroRNA-708 regulates CD38 expression through signaling pathways JNK MAP kinase and PTEN/AKT in human airway smooth muscle cells. <i>Respiratory Research</i> , <b>2014</b> , 15, 107	7.3	39
61	Tumor-stromal cross talk: direct cell-to-cell transfer of oncogenic microRNAs via tunneling nanotubes. <i>Translational Research</i> , <b>2014</b> , 164, 359-65	11	109
60	Competing endogenous RNAs (ceRNAs): new entrants to the intricacies of gene regulation. <i>Frontiers in Genetics</i> , <b>2014</b> , 5, 8	4.5	241
59	MicroRNAs at the human 14q32 locus have prognostic significance in osteosarcoma. <i>Orphanet Journal of Rare Diseases</i> , <b>2013</b> , 8, 7	4.2	80
58	Triptolide induces the expression of miR-142-3p: a negative regulator of heat shock protein 70 and pancreatic cancer cell proliferation. <i>Molecular Cancer Therapeutics</i> , <b>2013</b> , 12, 1266-75	6.1	106
57	Expression of FGFR3 and FGFR4 and clinical risk factors associated with progression-free survival in synovial sarcoma. <i>Human Pathology</i> , <b>2013</b> , 44, 1918-26	3.7	6
56	Minnelide reduces tumor burden in preclinical models of osteosarcoma. <i>Cancer Letters</i> , <b>2013</b> , 335, 412-20	9.9	43
55	MicroRNA-135b and Its Circuitry Networks as Potential Therapeutic Targets in Colon Cancer. <i>Frontiers in Oncology</i> , <b>2013</b> , 3, 268	5.3	29
54	MicroRNAs as Biomarkers in Cancer. <i>Diagnostics</i> , <b>2013</b> , 3, 84-104	3.8	18
53	Pancreatic cancer: modulation of KRAS, MicroRNAs, and intercellular communication in the setting of tumor heterogeneity. <i>Pancreas</i> , <b>2013</b> , 42, 1218-26	2.6	19
52	MicroRNA Control of Apoptotic Programs in Cancer <b>2013</b> , 503-530		

51	Tunneling nanotubes and intercellular communication: Differences between platinum-resistant and platinum-sensitive ovarian cancer.. <i>Journal of Clinical Oncology</i> , <b>2013</b> , 31, e22007-e22007	2.2	
50	Transcriptome analysis of garlic-induced hepatoprotection against alcoholic fatty liver. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 11104-19	5.7	27
49	MicroRNA-mediated gene regulations in human sarcomas. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 3571-85	10.3	16
48	Perturbation of 14q32 miRNAs-cMYC gene network in osteosarcoma. <i>Bone</i> , <b>2012</b> , 50, 171-81	4.7	113
47	Downregulation of microRNAs miR-1, -206 and -29 stabilizes PAX3 and CCND2 expression in rhabdomyosarcoma. <i>Laboratory Investigation</i> , <b>2012</b> , 92, 571-83	5.9	76
46	A genome-wide approach to comparative oncology: high-resolution oligonucleotide aCGH of canine and human osteosarcoma pinpoints shared microaberrations. <i>Cancer Genetics</i> , <b>2012</b> , 205, 572-87	2.3	59
45	Competing endogenous RNA database. <i>Bioinformatics</i> , <b>2012</b> , 8, 731-3	1.1	74
44	Dose-dependent differential mRNA target selection and regulation by let-7a-7f and miR-17-92 cluster microRNAs. <i>RNA Biology</i> , <b>2012</b> , 9, 1275-87	4.8	55
43	miR-140-3p regulation of TNF- $\beta$ -induced CD38 expression in human airway smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2012</b> , 303, L460-8	5.8	83
42	Tunneling Nanotubes: A new paradigm for studying intercellular communication and therapeutics in cancer. <i>Communicative and Integrative Biology</i> , <b>2012</b> , 5, 399-403	1.7	81
41	Combinatorial treatment of DNA and chromatin-modifying drugs cause cell death in human and canine osteosarcoma cell lines. <i>PLoS ONE</i> , <b>2012</b> , 7, e43720	3.7	48
40	miRNA expression in colon polyps provides evidence for a multihit model of colon cancer. <i>PLoS ONE</i> , <b>2011</b> , 6, e20465	3.7	115
39	Molecular subtypes of osteosarcoma identified by reducing tumor heterogeneity through an interspecies comparative approach. <i>Bone</i> , <b>2011</b> , 49, 356-67	4.7	95
38	Expression of subtype-specific group 1 leiomyosarcoma markers in a wide variety of sarcomas by gene expression analysis and immunohistochemistry. <i>American Journal of Surgical Pathology</i> , <b>2011</b> , 35, 583-9	6.7	30
37	Genomewide microRNA down-regulation as a negative feedback mechanism in the early phases of liver regeneration. <i>Hepatology</i> , <b>2011</b> , 54, 609-19	11.2	63
36	Regulation of heme oxygenase-1 protein expression by miR-377 in combination with miR-217. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 3194-202	5.4	73
35	S-MED: sarcoma microRNA expression database. <i>Laboratory Investigation</i> , <b>2010</b> , 90, 753-61	5.9	84
34	MicroRNA miR-183 functions as an oncogene by targeting the transcription factor EGR1 and promoting tumor cell migration. <i>Cancer Research</i> , <b>2010</b> , 70, 9570-80	10.1	238

33	Mature microRNAs identified in highly purified nuclei from HCT116 colon cancer cells. <i>RNA Biology</i> , <b>2010</b> , 7, 606-14	4.8	57
32	MicroRNAs in cardiovascular diseases: biology and potential clinical applications. <i>Journal of Cardiovascular Translational Research</i> , <b>2010</b> , 3, 256-70	3.3	33
31	MicroRNAs as gatekeepers of apoptosis. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 223, 289-98	7	102
30	Genome-wide transcriptome analyses reveal p53 inactivation mediated loss of miR-34a expression in malignant peripheral nerve sheath tumours. <i>Journal of Pathology</i> , <b>2010</b> , 220, 58-70	9.4	91
29	MicroRNA profiling of BRCA1/2 mutation-carrying and non-mutation-carrying high-grade serous carcinomas of ovary. <i>PLoS ONE</i> , <b>2009</b> , 4, e7314	3.7	76
28	Gene networks and microRNAs implicated in aggressive prostate cancer. <i>Cancer Research</i> , <b>2009</b> , 69, 9490-7	7.1	120
27	Human colon cancer profiles show differential microRNA expression depending on mismatch repair status and are characteristic of undifferentiated proliferative states. <i>BMC Cancer</i> , <b>2009</b> , 9, 401	4.8	253
26	A compact VEGF signature associated with distant metastases and poor outcomes. <i>BMC Medicine</i> , <b>2009</b> , 7, 9	11.4	132
25	Intraepithelial T cells and prognosis in ovarian carcinoma: novel associations with stage, tumor type, and BRCA1 loss. <i>Modern Pathology</i> , <b>2009</b> , 22, 393-402	9.8	196
24	Genome-wide transcriptional profiling reveals microRNA-correlated genes and biological processes in human lymphoblastoid cell lines. <i>PLoS ONE</i> , <b>2009</b> , 4, e5878	3.7	58
23	Gene expression profiling identifies p63 as a diagnostic marker for giant cell tumor of the bone. <i>Modern Pathology</i> , <b>2008</b> , 21, 531-9	9.8	59
22	MicroRNA expression signature of human sarcomas. <i>Oncogene</i> , <b>2008</b> , 27, 2015-26	9.2	199
21	Prognostic significance of macrophage infiltration in leiomyosarcomas. <i>Clinical Cancer Research</i> , <b>2008</b> , 14, 1423-30	12.9	124
20	Histone deacetylase inhibitors reverse SS18-SSX-mediated polycomb silencing of the tumor suppressor early growth response 1 in synovial sarcoma. <i>Cancer Research</i> , <b>2008</b> , 68, 4303-10	10.1	98
19	A novel monoclonal antibody against DOG1 is a sensitive and specific marker for gastrointestinal stromal tumors. <i>American Journal of Surgical Pathology</i> , <b>2008</b> , 32, 210-8	6.7	350
18	TLE1 as a diagnostic immunohistochemical marker for synovial sarcoma emerging from gene expression profiling studies. <i>American Journal of Surgical Pathology</i> , <b>2007</b> , 31, 240-6	6.7	276
17	A landscape effect in tenosynovial giant-cell tumor from activation of CSF1 expression by a translocation in a minority of tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 690-5	11.5	351
16	A mouse gene encoding a novel member of the WD family of proteins is highly conserved and predominantly expressed in the testis (Wdr13). <i>Molecular Reproduction and Development</i> , <b>2005</b> , 72, 299-310	3.6	11

15	The gene expression profile of extraskeletal myxoid chondrosarcoma. <i>Journal of Pathology</i> , <b>2005</b> , 206, 433-44	9.4	58
14	Determination of stromal signatures in breast carcinoma. <i>PLoS Biology</i> , <b>2005</b> , 3, e187	9.7	161
13	Gastrointestinal stromal tumors (GISTs) with KIT and PDGFRA mutations have distinct gene expression profiles. <i>Oncogene</i> , <b>2004</b> , 23, 7780-90	9.2	121
12	Extreme conservation of noncoding DNA near HoxD complex of vertebrates. <i>BMC Genomics</i> , <b>2004</b> , 5, 75	4.5	23
11	The novel marker, DOG1, is expressed ubiquitously in gastrointestinal stromal tumors irrespective of KIT or PDGFRA mutation status. <i>American Journal of Pathology</i> , <b>2004</b> , 165, 107-13	5.8	505
10	Unique case of deletion and duplication in the long arm of the Y chromosome in an individual with ambiguous genitalia. <i>American Journal of Medical Genetics Part A</i> , <b>2003</b> , 116A, 205-7		6
9	SSRD: simple sequence repeats database of the human genome. <i>Comparative and Functional Genomics</i> , <b>2003</b> , 4, 342-5		20
8	A highly conserved human gene encoding a novel member of WD-repeat family of proteins (WDR13). <i>Genomics</i> , <b>2003</b> , 81, 315-28	4.3	15
7	Extreme conservation of non-repetitive non-coding regions near HoxD complex of vertebrates <b>2003</b> , 4, P2		14
6	Genome-wide analysis of microsatellite repeats in humans: their abundance and density in specific genomic regions. <i>Genome Biology</i> , <b>2003</b> , 4, R13	18.3	243
5	Triplet repeats in human genome: distribution and their association with genes and other genomic regions. <i>Bioinformatics</i> , <b>2003</b> , 19, 549-52	7.2	61
4	Genome-wide analysis of Bkm sequences (GATA repeats): predominant association with sex chromosomes and potential role in higher order chromatin organization and function. <i>Bioinformatics</i> , <b>2003</b> , 19, 681-5	7.2	44
3	MRD: a microsatellite repeats database for prokaryotic and eukaryotic genomes. <i>Genome Biology</i> , <b>2002</b> , 3, PREPRINT0011	18.3	8
2	Mucosal microbiota and metabolome along the intestinal tracts reveals location specific relationship		3
1	Chemotherapy but not the tumor draining lymph nodes determine the immunotherapy response in secondary tumors		1