

# Rami Aqeilan

## List of Publications by Citations

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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.

121 papers	11,428 citations	48 h-index	106 g-index
141 ext. papers	12,762 ext. citations	7.7 avg, IF	5.89 L-index

#	Paper	IF	Citations
121	miR-15 and miR-16 induce apoptosis by targeting BCL2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13944-9	11.5	2912
120	MiR-15a and miR-16-1 cluster functions in human leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 5166-71	11.5	642
119	miR-15a and miR-16-1 in cancer: discovery, function and future perspectives. <i>Cell Death and Differentiation</i> , <b>2010</b> , 17, 215-20	12.7	482
118	MicroRNAs regulate critical genes associated with multiple myeloma pathogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 12885-90	11.5	467
117	Biological functions of miR-29b contribute to positive regulation of osteoblast differentiation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 15676-84	5.4	450
116	MicroRNA fingerprints during human megakaryocytopoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5078-83	11.5	386
115	Downregulation of p53-inducible microRNAs 192, 194, and 215 impairs the p53/MDM2 autoregulatory loop in multiple myeloma development. <i>Cancer Cell</i> , <b>2010</b> , 18, 367-81	24.3	356
114	MicroRNA gene expression during retinoic acid-induced differentiation of human acute promyelocytic leukemia. <i>Oncogene</i> , <b>2007</b> , 26, 4148-57	9.2	322
113	miRNA signatures associate with pathogenesis and progression of osteosarcoma. <i>Cancer Research</i> , <b>2012</b> , 72, 1865-77	10.1	304
112	Reprogramming of miRNA networks in cancer and leukemia. <i>Genome Research</i> , <b>2010</b> , 20, 589-99	9.7	287
111	The E3 ubiquitin ligase Itch controls the protein stability of p63. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 12753-8	11.5	190
110	Functional association between Wwox tumor suppressor protein and p73, a p53 homolog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 4401-6	11.5	189
109	Targeted deletion of Wwox reveals a tumor suppressor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3949-54	11.5	178
108	WW domain-containing proteins, WWOX and YAP, compete for interaction with ErbB-4 and modulate its transcriptional function. <i>Cancer Research</i> , <b>2005</b> , 65, 6764-72	10.1	168
107	Akt phosphorylates and regulates Pcd4 tumor suppressor protein. <i>Cancer Research</i> , <b>2005</b> , 65, 11282-6	10.1	126
106	Itch: a HECT-type E3 ligase regulating immunity, skin and cancer. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 1103-12	12.7	125
105	Physical and functional interactions between the Wwox tumor suppressor protein and the AP-2gamma transcription factor. <i>Cancer Research</i> , <b>2004</b> , 64, 8256-61	10.1	125

104	The tumor suppressor gene WWOX at FRA16D is involved in pancreatic carcinogenesis. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 2459-65	12.9	111
103	MicroRNAs/TP53 feedback circuitry in glioblastoma multiforme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5316-21	11.5	110
102	WWOX gene restoration prevents lung cancer growth in vitro and in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 15611-6	11.5	110
101	Negative regulation of the Hippo pathway by E3 ubiquitin ligase ITCH is sufficient to promote tumorigenicity. <i>Cancer Research</i> , <b>2011</b> , 71, 2010-20	10.1	109
100	WWOX: its genomics, partners, and functions. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 108, 737-45	4.7	103
99	Loss of WWOX expression in gastric carcinoma. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 3053-8	12.9	103
98	WWOX in biological control and tumorigenesis. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 212, 307-10	7	100
97	The WWOX tumor suppressor is essential for postnatal survival and normal bone metabolism. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 21629-39	5.4	99
96	Association of Wwox with ErbB4 in breast cancer. <i>Cancer Research</i> , <b>2007</b> , 67, 9330-6	10.1	91
95	Frequent attenuation of the WWOX tumor suppressor in osteosarcoma is associated with increased tumorigenicity and aberrant RUNX2 expression. <i>Cancer Research</i> , <b>2010</b> , 70, 5577-86	10.1	87
94	WWOX gene and gene product: tumor suppression through specific protein interactions. <i>Future Oncology</i> , <b>2010</b> , 6, 249-59	3.6	81
93	WW domain-containing proteins: retrospectives and the future. <i>Frontiers in Bioscience - Landmark</i> , <b>2012</b> , 17, 331-48	2.8	79
92	Isoform-specific monoubiquitination, endocytosis, and degradation of alternatively spliced ErbB4 isoforms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 4162-7	11.5	79
91	The Nedd4-binding partner 1 (N4BP1) protein is an inhibitor of the E3 ligase Itch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 11280-5	11.5	75
90	Effect of rapamycin on mouse chronic lymphocytic leukemia and the development of nonhematopoietic malignancies in Emu-TCL1 transgenic mice. <i>Cancer Research</i> , <b>2006</b> , 66, 915-20	10.1	66
89	Physical association with WWOX suppresses c-Jun transcriptional activity. <i>Cancer Research</i> , <b>2006</b> , 66, 11585-9	10.1	66
88	Characterizing WW domain interactions of tumor suppressor WWOX reveals its association with multiprotein networks. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 8865-80	5.4	64
87	TRPM2 Mediates Neutrophil Killing of Disseminated Tumor Cells. <i>Cancer Research</i> , <b>2018</b> , 78, 2680-2690	10.1	62

86	Targeted ablation of the WW domain-containing oxidoreductase tumor suppressor leads to impaired steroidogenesis. <i>Endocrinology</i> , <b>2009</b> , 150, 1530-5	4.8	62
85	Fhit is a physiological target of the protein kinase Src. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 3775-9	11.5	61
84	Inactivation of the Wwox gene accelerates forestomach tumor progression in vivo. <i>Cancer Research</i> , <b>2007</b> , 67, 5606-10	10.1	60
83	Tumor suppressor WWOX regulates glucose metabolism via HIF1 $\alpha$ modulation. <i>Cell Death and Differentiation</i> , <b>2014</b> , 21, 1805-14	12.7	56
82	The tumor suppressor gene WWOX links the canonical and noncanonical NF- $\kappa$ B pathways in HTLV-I Tax-mediated tumorigenesis. <i>Blood</i> , <b>2011</b> , 117, 1652-61	2.2	56
81	WW domain interactions regulate the Hippo tumor suppressor pathway. <i>Cell Death and Disease</i> , <b>2011</b> , 2, e172	9.8	56
80	Fhit interaction with ferredoxin reductase triggers generation of reactive oxygen species and apoptosis of cancer cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 13736-44	5.4	55
79	NEDD4 E3 ligase inhibits the activity of the Hippo pathway by targeting LATS1 for degradation. <i>Cell Cycle</i> , <b>2013</b> , 12, 3817-23	4.7	54
78	miR-27a and miR-27a* contribute to metastatic properties of osteosarcoma cells. <i>Oncotarget</i> , <b>2015</b> , 6, 4920-35	3.3	53
77	WWOX expression in different histologic types and subtypes of non-small cell lung cancer. <i>Clinical Cancer Research</i> , <b>2007</b> , 13, 884-91	12.9	51
76	WWOX, the common fragile site FRA16D gene product, regulates ATM activation and the DNA damage response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4716-25	11.5	50
75	WW domain-containing oxidoreductase's role in myriad cancers: clinical significance and future implications. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 253-63	3.7	49
74	Wwox inactivation enhances mammary tumorigenesis. <i>Oncogene</i> , <b>2011</b> , 30, 3900-6	9.2	49
73	Cell death or survival promoted by alternative isoforms of ErbB4. <i>Molecular Biology of the Cell</i> , <b>2010</b> , 21, 4275-86	3.5	48
72	FHIT suppresses epithelial-mesenchymal transition (EMT) and metastasis in lung cancer through modulation of microRNAs. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004652	6	46
71	Genetic ablation of Ptp <sup>rrj</sup> , a mouse cancer susceptibility gene, results in normal growth and development and does not predispose to spontaneous tumorigenesis. <i>DNA and Cell Biology</i> , <b>2006</b> , 25, 376-82	3.6	46
70	Pleiotropic Functions of Tumor Suppressor WWOX in Normal and Cancer Cells. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 30728-35	5.4	41
69	WW-domain-containing oxidoreductase is associated with low plasma HDL-C levels. <i>American Journal of Human Genetics</i> , <b>2008</b> , 83, 180-92	11	41

68	Animal models for chronic lymphocytic leukemia. <i>Journal of Cellular Biochemistry</i> , <b>2007</b> , 100, 1109-18	4.7	39
67	Tcl1 interacts with Atm and enhances NF- $\kappa$ B activation in hematologic malignancies. <i>Blood</i> , <b>2012</b> , 119, 180-7	2.2	37
66	Cleavage of the transactivation-inhibitory domain of p63 by caspases enhances apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10871-6	11.5	37
65	Adenoviral transduction of TESTIN gene into breast and uterine cancer cell lines promotes apoptosis and tumor reduction in vivo. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 806-13	12.9	36
64	MicroRNAs: New Players in Multiple Myeloma. <i>Frontiers in Genetics</i> , <b>2011</b> , 2, 22	4.5	34
63	Tumor suppressor WWOX binds to p63 and sensitizes cancer cells to chemotherapy. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e480	9.8	33
62	The ubiquitin E3 ligase ITCH enhances breast tumor progression by inhibiting the Hippo tumor suppressor pathway. <i>Oncotarget</i> , <b>2014</b> , 5, 10886-900	3.3	33
61	Role of the WWOX tumor suppressor gene in bone homeostasis and the pathogenesis of osteosarcoma. <i>American Journal of Cancer Research</i> , <b>2011</b> , 1, 585-94	4.4	32
60	Tumor Suppressor WWOX inhibits osteosarcoma metastasis by modulating RUNX2 function. <i>Scientific Reports</i> , <b>2015</b> , 5, 12959	4.9	30
59	The common fragile site FRA16D gene product WWOX: roles in tumor suppression and genomic stability. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 4589-99	10.3	29
58	Biophysical basis of the binding of WWOX tumor suppressor to WBP1 and WBP2 adaptors. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 58-74	6.5	28
57	Conditional inactivation of the mouse Wwox tumor suppressor gene recapitulates the null phenotype. <i>Journal of Cellular Physiology</i> , <b>2013</b> , 228, 1377-82	7	28
56	Protein inhibitor of activated STAT3 (PIAS3) protein promotes SUMOylation and nuclear sequestration of the intracellular domain of ErbB4 protein. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 23216-26	5.4	28
55	Role of the WWOX gene, encompassing fragile region FRA16D, in suppression of pancreatic carcinoma cells. <i>Cancer Science</i> , <b>2008</b> , 99, 1370-6	6.9	28
54	The WWOX gene modulates high-density lipoprotein and lipid metabolism. <i>Circulation: Cardiovascular Genetics</i> , <b>2014</b> , 7, 491-504		26
53	WWOX and p53 Dysregulation Synergize to Drive the Development of Osteosarcoma. <i>Cancer Research</i> , <b>2016</b> , 76, 6107-6117	10.1	25
52	The tumor suppressor WW domain-containing oxidoreductase modulates cell metabolism. <i>Experimental Biology and Medicine</i> , <b>2015</b> , 240, 345-50	3.7	25
51	Interleukin 2-Bax: a novel prototype of human chimeric proteins for targeted therapy. <i>FEBS Letters</i> , <b>1999</b> , 457, 271-6	3.8	25

50	Therapy of human pancreatic carcinoma based on suppression of HMGA1 protein synthesis in preclinical models. <i>Cancer Gene Therapy</i> , <b>2004</b> , 11, 633-41	5.4	24
49	Tumor Suppressor Genes within Common Fragile Sites Are Active Players in the DNA Damage Response. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1006436	6	24
48	Characterization of WWOX inactivation in murine mammary gland development. <i>Journal of Cellular Physiology</i> , <b>2013</b> , 228, 1391-6	7	23
47	Genetic factors conferring metastasis in osteosarcoma. <i>Future Oncology</i> , <b>2016</b> , 12, 1623-44	3.6	23
46	Chronic lymphocytic leukemia: molecular genetics and animal models. <i>Current Topics in Microbiology and Immunology</i> , <b>2005</b> , 294, 51-70	3.3	23
45	Epigenetic pathways regulating bone homeostasis: potential targeting for intervention of skeletal disorders. <i>Current Osteoporosis Reports</i> , <b>2014</b> , 12, 496-506	5.4	21
44	WWOX modulates the ATR-mediated DNA damage checkpoint response. <i>Oncotarget</i> , <b>2016</b> , 7, 4344-55	3.3	21
43	WWOX Inhibits Metastasis of Triple-Negative Breast Cancer Cells via Modulation of miRNAs. <i>Cancer Research</i> , <b>2019</b> , 79, 1784-1798	10.1	20
42	Fhit-Fdxr interaction in the mitochondria: modulation of reactive oxygen species generation and apoptosis in cancer cells. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 147	9.8	19
41	MiR-16-1-3p and miR-16-2-3p possess strong tumor suppressive and antimetastatic properties in osteosarcoma. <i>International Journal of Cancer</i> , <b>2019</b> , 145, 3052-3063	7.5	18
40	Microenvironmental Cues Determine Tumor Cell Susceptibility to Neutrophil Cytotoxicity. <i>Cancer Research</i> , <b>2018</b> , 78, 5050-5059	10.1	18
39	AntimiR-155 Cyclic Peptide-PNA Conjugate: Synthesis, Cellular Uptake, and Biological Activity. <i>ACS Omega</i> , <b>2019</b> , 4, 13954-13961	3.9	17
38	Common fragile site tumor suppressor genes and corresponding mouse models of cancer. <i>Journal of Biomedicine and Biotechnology</i> , <b>2011</b> , 2011, 984505		17
37	Using apoptosis for targeted cancer therapy by a new gonadotropin releasing hormone-DNA fragmentation factor 40 chimeric protein. <i>Clinical Cancer Research</i> , <b>2003</b> , 9, 1179-90	12.9	17
36	Combined shRNA over CRISPR/cas9 as a methodology to detect off-target effects and a potential compensatory mechanism. <i>Scientific Reports</i> , <b>2018</b> , 8, 93	4.9	16
35	Targeted disruption of the murine homeodomain-interacting protein kinase-2 causes growth deficiency in vivo and cell cycle arrest in vitro. <i>DNA and Cell Biology</i> , <b>2009</b> , 28, 161-7	3.6	16
34	WWOX controls hepatic HIF1 $\alpha$ to suppress hepatocyte proliferation and neoplasia. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 511	9.8	15
33	Somatic loss of WWOX is associated with TP53 perturbation in basal-like breast cancer. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 832	9.8	15

32	Mechanism of action of interleukin-2 (IL-2)-Bax, an apoptosis-inducing chimaeric protein targeted against cells expressing the IL-2 receptor. <i>Biochemical Journal</i> , <b>2003</b> , 370, 129-40	3.8	15
31	Activation of Oncogenic Super-Enhancers Is Coupled with DNA Repair by RAD51. <i>Cell Reports</i> , <b>2019</b> , 29, 560-572.e4	10.6	14
30	Preclinical assessment of FHIT gene replacement therapy in human leukemia using a chimeric adenovirus, Ad5/F35. <i>Clinical Cancer Research</i> , <b>2006</b> , 12, 3494-501	12.9	14
29	Effect of IL-2-Bax, a novel interleukin-2-receptor-targeted chimeric protein, on bleomycin lung injury. <i>International Journal of Experimental Pathology</i> , <b>2005</b> , 86, 279-88	2.8	14
28	Modeling WWOX Loss of Function : What Have We Learned?. <i>Frontiers in Oncology</i> , <b>2018</b> , 8, 420	5.3	14
27	Heat shock protein 70 regulates Tcl1 expression in leukemia and lymphomas. <i>Blood</i> , <b>2013</b> , 121, 351-9	2.2	13
26	Fhit delocalizes annexin a4 from plasma membrane to cytosol and sensitizes lung cancer cells to paclitaxel. <i>PLoS ONE</i> , <b>2013</b> , 8, e78610	3.7	13
25	Tcl1 as a model for lymphomagenesis. <i>Hematology/Oncology Clinics of North America</i> , <b>2004</b> , 18, 863-79, ix	3.1	12
24	Akt phosphorylates Tal1 oncoprotein and inhibits its repressor activity. <i>Cancer Research</i> , <b>2005</b> , 65, 4515-9	10.1	12
23	Decoding the link between WWOX and p53 in aggressive breast cancer. <i>Cell Cycle</i> , <b>2019</b> , 18, 1177-1186	4.7	11
22	WWOX somatic ablation in skeletal muscles alters glucose metabolism. <i>Molecular Metabolism</i> , <b>2019</b> , 22, 132-140	8.8	11
21	Pleiotropic tumor suppressor functions of WWOX antagonize metastasis. <i>Signal Transduction and Targeted Therapy</i> , <b>2020</b> , 5, 43	21	11
20	Role of common fragile sites and corresponding genes in cancer development. <i>Cellular and Molecular Life Sciences</i> , <b>2014</b> , 71, 4487-8	10.3	9
19	A Fhit-mimetic peptide suppresses annexin A4-mediated chemoresistance to paclitaxel in lung cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 29927-36	3.3	9
18	WWOX loss activates aerobic glycolysis. <i>Molecular and Cellular Oncology</i> , <b>2015</b> , 2, e965640	1.2	6
17	WWOX guards genome stability by activating ATM. <i>Molecular and Cellular Oncology</i> , <b>2015</b> , 2, e1008288	1.2	6
16	TCL1A interacts with TP63 and enhances the survival of Raji Burkitt lymphoma cell line. <i>British Journal of Haematology</i> , <b>2018</b> , 183, 509-512	4.5	5
15	Tal1 transgenic expression reveals absence of B lymphocytes. <i>Cancer Research</i> , <b>2006</b> , 66, 6014-7	10.1	5



14	Programmed DNA Damage and Physiological DSBs: Mapping, Biological Significance and Perturbations in Disease States. <i>Cells</i> , <b>2020</b> , 9,	7.9	5
13	Neuronal deletion of Wwox, associated with WOREE syndrome, causes epilepsy and myelin defects. <i>Brain</i> , <b>2021</b> , 144, 3061-3077	11.2	5
12	Neurological Disorders Associated with WWOX Germline Mutations-A Comprehensive Overview. <i>Cells</i> , <b>2021</b> , 10,	7.9	5
11	Utilizing chimeric proteins for exploring the cellular fate of endogenous proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 290, 332-8	3.4	4
10	Modeling genetic epileptic encephalopathies using brain organoids. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13610	12	4
9	Mapping the breakome reveals tight regulation on oncogenic super-enhancers. <i>Molecular and Cellular Oncology</i> , <b>2020</b> , 7, 1698933	1.2	3
8	Neonatal neuronal WWOX gene therapy rescues Wwox null phenotypes. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e14599	12	2
7	RBM6 splicing factor promotes homologous recombination repair of double-strand breaks and modulates sensitivity to chemotherapeutic drugs. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 11708-11727	20.1	2
6	DAZAP2 acts as specifier of the p53 response to DNA damage. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 2759-2776.	16.1	2
5	Modeling Genetic Epileptic Encephalopathies using Brain Organoids		1
4	MiR-16-1*and miR-16-2*possess strong tumor suppressive and anti-metastatic properties in osteosarcoma		1
3	Altered neocortical oscillations and cellular excitability in an in vitro Wwox knockout mouse model of epileptic encephalopathy. <i>Neurobiology of Disease</i> , <b>2021</b> , 160, 105529	7.5	0
2	T538 phosphorylation, Pin-ing p63-Itch stability. <i>Cell Cycle</i> , <b>2015</b> , 14, 469-70	4.7	
1	Environmental, Genetic, and Viral Causes of Cancer35-56		