Rami Aqeilan

List of Publications by Year in Descending Order

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	Neonatal neuronal WWOX gene therapy rescues Wwox null phenotypes. *EMBO Molecular Medicine*, **2021**, 13, e14599	12	2
120	RBM6 splicing factor promotes homologous recombination repair of double-strand breaks and modulates sensitivity to chemotherapeutic drugs. *Nucleic Acids Research*, **2021**, 49, 11708-11727	20.1	2
119	Altered neocortical oscillations and cellular excitability in an in vitro Wwox knockout mouse model of epileptic encephalopathy. *Neurobiology of Disease*, **2021**, 160, 105529	7.5	0
118	Neuronal deletion of Wwox, associated with WOREE syndrome, causes epilepsy and myelin defects. *Brain*, **2021**, 144, 3061-3077	11.2	5
117	Neurological Disorders Associated with WWOX Germline Mutations-A Comprehensive Overview. *Cells*, **2021**, 10,	7.9	5
116	DAZAP2 acts as specifier of the p53 response to DNA damage. *Nucleic Acids Research*, **2021**, 49, 2759-2776	20.1	2
115	Modeling genetic epileptic encephalopathies using brain organoids. *EMBO Molecular Medicine*, **2021**, 13, e13610	12	4
114	Mapping the breakome reveals tight regulation on oncogenic super-enhancers. *Molecular and Cellular Oncology*, **2020**, 7, 1698933	1.2	3
113	Programmed DNA Damage and Physiological DSBs: Mapping, Biological Significance and Perturbations in Disease States. *Cells*, **2020**, 9,	7.9	5
112	Pleiotropic tumor suppressor functions of WWOX antagonize metastasis. *Signal Transduction and Targeted Therapy*, **2020**, 5, 43	21	11
111	Decoding the link between WWOX and p53 in aggressive breast cancer. *Cell Cycle*, **2019**, 18, 1177-1186	4.7	11
110	MiR-16-1-3p and miR-16-2-3p possess strong tumor suppressive and antimetastatic properties in osteosarcoma. *International Journal of Cancer*, **2019**, 145, 3052-3063	7.5	18
109	Fhit-Fdxr interaction in the mitochondria: modulation of reactive oxygen species generation and apoptosis in cancer cells. *Cell Death and Disease*, **2019**, 10, 147	9.8	19
108	AntimiR-155 Cyclic Peptide-PNA Conjugate: Synthesis, Cellular Uptake, and Biological Activity. *ACS Omega*, **2019**, 4, 13954-13961	3.9	17
107	Activation of Oncogenic Super-Enhancers Is Coupled with DNA Repair by RAD51. *Cell Reports*, **2019**, 29, 560-572.e4	10.6	14
106	WWOX somatic ablation in skeletal muscles alters glucose metabolism. *Molecular Metabolism*, **2019**, 22, 132-140	8.8	11
105	WWOX Inhibits Metastasis of Triple-Negative Breast Cancer Cells via Modulation of miRNAs. *Cancer Research*, **2019**, 79, 1784-1798	10.1	20

104	TRPM2 Mediates Neutrophil Killing of Disseminated Tumor Cells. *Cancer Research*, **2018**, 78, 2680-2690	10.1	62
103	Combined shRNA over CRISPR/cas9 as a methodology to detect off-target effects and a potential compensatory mechanism. *Scientific Reports*, **2018**, 8, 93	4.9	16
102	TCL1A interacts with TP63 and enhances the survival of Raji Burkitt lymphoma cell line. *British Journal of Haematology*, **2018**, 183, 509-512	4.5	5
101	WWOX controls hepatic HIF1 to suppress hepatocyte proliferation and neoplasia. *Cell Death and Disease*, **2018**, 9, 511	9.8	15
100	Somatic loss of WWOX is associated with TP53 perturbation in basal-like breast cancer. *Cell Death and Disease*, **2018**, 9, 832	9.8	15
99	Modeling WWOX Loss of Function : What Have We Learned?. *Frontiers in Oncology*, **2018**, 8, 420	5.3	14
98	Microenvironmental Cues Determine Tumor Cell Susceptibility to Neutrophil Cytotoxicity. *Cancer Research*, **2018**, 78, 5050-5059	10.1	18
97	WWOX and p53 Dysregulation Synergize to Drive the Development of Osteosarcoma. *Cancer Research*, **2016**, 76, 6107-6117	10.1	25
96	WWOX modulates the ATR-mediated DNA damage checkpoint response. *Oncotarget*, **2016**, 7, 4344-55	3.3	21
95	A Fhit-mimetic peptide suppresses annexin A4-mediated chemoresistance to paclitaxel in lung cancer cells. *Oncotarget*, **2016**, 7, 29927-36	3.3	9
94	Tumor Suppressor Genes within Common Fragile Sites Are Active Players in the DNA Damage Response. *PLoS Genetics*, **2016**, 12, e1006436	6	24
93	Genetic factors conferring metastasis in osteosarcoma. *Future Oncology*, **2016**, 12, 1623-44	3.6	23
92	WWOX loss activates aerobic glycolysis. *Molecular and Cellular Oncology*, **2015**, 2, e965640	1.2	6
91	T538 phosphorylation, Pin-ing p63-Itch stability. *Cell Cycle*, **2015**, 14, 469-70	4.7	
90	WWOX guards genome stability by activating ATM. *Molecular and Cellular Oncology*, **2015**, 2, e1008288	1.2	6
89	Tumor Suppressor WWOX inhibits osteosarcoma metastasis by modulating RUNX2 function. *Scientific Reports*, **2015**, 5, 12959	4.9	30
88	Pleiotropic Functions of Tumor Suppressor WWOX in Normal and Cancer Cells. *Journal of Biological Chemistry*, **2015**, 290, 30728-35	5.4	41
87	The tumor suppressor WW domain-containing oxidoreductase modulates cell metabolism. *Experimental Biology and Medicine*, **2015**, 240, 345-50	3.7	25

86	miR-27a and miR-27a* contribute to metastatic properties of osteosarcoma cells. *Oncotarget*, **2015**, 6, 4920-35	3.3	53
85	Characterizing WW domain interactions of tumor suppressor WWOX reveals its association with multiprotein networks. *Journal of Biological Chemistry*, **2014**, 289, 8865-80	5.4	64
84	WW domain-containing oxidoreductase's role in myriad cancers: clinical significance and future implications. *Experimental Biology and Medicine*, **2014**, 239, 253-63	3.7	49
83	Tumor suppressor WWOX regulates glucose metabolism via HIF1 modulation. *Cell Death and Differentiation*, **2014**, 21, 1805-14	12.7	56
82	Epigenetic pathways regulating bone homeostasis: potential targeting for intervention of skeletal disorders. *Current Osteoporosis Reports*, **2014**, 12, 496-506	5.4	21
81	The WWOX gene modulates high-density lipoprotein and lipid metabolism. *Circulation: Cardiovascular Genetics*, **2014**, 7, 491-504		26
80	Role of common fragile sites and corresponding genes in cancer development. *Cellular and Molecular Life Sciences*, **2014**, 71, 4487-8	10.3	9
79	FHIT suppresses epithelial-mesenchymal transition (EMT) and metastasis in lung cancer through modulation of microRNAs. *PLoS Genetics*, **2014**, 10, e1004652	6	46
78	WWOX, the common fragile site FRA16D gene product, regulates ATM activation and the DNA damage response. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4716-25	11.5	50
77	The common fragile site FRA16D gene product WWOX: roles in tumor suppression and genomic stability. *Cellular and Molecular Life Sciences*, **2014**, 71, 4589-99	10.3	29
76	The ubiquitin E3 ligase ITCH enhances breast tumor progression by inhibiting the Hippo tumor suppressor pathway. *Oncotarget*, **2014**, 5, 10886-900	3.3	33
75	Heat shock protein 70 regulates Tcl1 expression in leukemia and lymphomas. *Blood*, **2013**, 121, 351-9	2.2	13
74	Characterization of WWOX inactivation in murine mammary gland development. *Journal of Cellular Physiology*, **2013**, 228, 1391-6	7	23
73	NEDD4 E3 ligase inhibits the activity of the Hippo pathway by targeting LATS1 for degradation. *Cell Cycle*, **2013**, 12, 3817-23	4.7	54
72	Conditional inactivation of the mouse Wwox tumor suppressor gene recapitulates the null phenotype. *Journal of Cellular Physiology*, **2013**, 228, 1377-82	7	28
71	Tumor suppressor WWOX binds to Np63 and sensitizes cancer cells to chemotherapy. *Cell Death and Disease*, **2013**, 4, e480	9.8	33
70	Fhit delocalizes annexin a4 from plasma membrane to cytosol and sensitizes lung cancer cells to paclitaxel. *PLoS ONE*, **2013**, 8, e78610	3.7	13
69	Tcl1 interacts with Atm and enhances NF-B activation in hematologic malignancies. *Blood*, **2012**, 119, 180-7	2.2	37

68	Biophysical basis of the binding of WWOX tumor suppressor to WBP1 and WBP2 adaptors. *Journal of Molecular Biology*, **2012**, 422, 58-74	6.5	28
67	WW domain-containing proteins: retrospectives and the future. *Frontiers in Bioscience - Landmark*, **2012**, 17, 331-48	2.8	79
66	miRNA signatures associate with pathogenesis and progression of osteosarcoma. *Cancer Research*, **2012**, 72, 1865-77	10.1	304
65	MicroRNAs/TP53 feedback circuitry in glioblastoma multiforme. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 5316-21	11.5	110
64	Protein inhibitor of activated STAT3 (PIAS3) protein promotes SUMOylation and nuclear sequestration of the intracellular domain of ErbB4 protein. *Journal of Biological Chemistry*, **2012**, 287, 23216-26	5.4	28
63	MicroRNAs: New Players in Multiple Myeloma. *Frontiers in Genetics*, **2011**, 2, 22	4.5	34
62	The tumor suppressor gene WWOX links the canonical and noncanonical NF-B pathways in HTLV-I Tax-mediated tumorigenesis. *Blood*, **2011**, 117, 1652-61	2.2	56
61	Wwox inactivation enhances mammary tumorigenesis. *Oncogene*, **2011**, 30, 3900-6	9.2	49
60	WW domain interactions regulate the Hippo tumor suppressor pathway. *Cell Death and Disease*, **2011**, 2, e172	9.8	56
59	Negative regulation of the Hippo pathway by E3 ubiquitin ligase ITCH is sufficient to promote tumorigenicity. *Cancer Research*, **2011**, 71, 2010-20	10.1	109
58	Common fragile site tumor suppressor genes and corresponding mouse models of cancer. *Journal of Biomedicine and Biotechnology*, **2011**, 2011, 984505		17
57	Role of the WWOX tumor suppressor gene in bone homeostasis and the pathogenesis of osteosarcoma. *American Journal of Cancer Research*, **2011**, 1, 585-94	4.4	32
56	miR-15a and miR-16-1 in cancer: discovery, function and future perspectives. *Cell Death and Differentiation*, **2010**, 17, 215-20	12.7	482
55	Cell death or survival promoted by alternative isoforms of ErbB4. *Molecular Biology of the Cell*, **2010**, 21, 4275-86	3.5	48
54	Frequent attenuation of the WWOX tumor suppressor in osteosarcoma is associated with increased tumorigenicity and aberrant RUNX2 expression. *Cancer Research*, **2010**, 70, 5577-86	10.1	87
53	WWOX gene and gene product: tumor suppression through specific protein interactions. *Future Oncology*, **2010**, 6, 249-59	3.6	81
52	Reprogramming of miRNA networks in cancer and leukemia. *Genome Research*, **2010**, 20, 589-99	9.7	287
51	Downregulation of p53-inducible microRNAs 192, 194, and 215 impairs the p53/MDM2 autoregulatory loop in multiple myeloma development. *Cancer Cell*, **2010**, 18, 367-81	24.3	356

50	Biological functions of miR-29b contribute to positive regulation of osteoblast differentiation. *Journal of Biological Chemistry*, **2009**, 284, 15676-84	5.4	450
49	Targeted disruption of the murine homeodomain-interacting protein kinase-2 causes growth deficiency in vivo and cell cycle arrest in vitro. *DNA and Cell Biology*, **2009**, 28, 161-7	3.6	16
48	Targeted ablation of the WW domain-containing oxidoreductase tumor suppressor leads to impaired steroidogenesis. *Endocrinology*, **2009**, 150, 1530-5	4.8	62
47	WWOX: its genomics, partners, and functions. *Journal of Cellular Biochemistry*, **2009**, 108, 737-45	4.7	103
46	Itch: a HECT-type E3 ligase regulating immunity, skin and cancer. *Cell Death and Differentiation*, **2008**, 15, 1103-12	12.7	125
45	Role of the WWOX gene, encompassing fragile region FRA16D, in suppression of pancreatic carcinoma cells. *Cancer Science*, **2008**, 99, 1370-6	6.9	28
44	MiR-15a and miR-16-1 cluster functions in human leukemia. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 5166-71	11.5	642
43	The WWOX tumor suppressor is essential for postnatal survival and normal bone metabolism. *Journal of Biological Chemistry*, **2008**, 283, 21629-39	5.4	99
42	MicroRNAs regulate critical genes associated with multiple myeloma pathogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 12885-90	11.5	467
41	Isoform-specific monoubiquitination, endocytosis, and degradation of alternatively spliced ErbB4 isoforms. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 4162-7	11.5	79
40	Fhit interaction with ferredoxin reductase triggers generation of reactive oxygen species and apoptosis of cancer cells. *Journal of Biological Chemistry*, **2008**, 283, 13736-44	5.4	55
39	WW-domain-containing oxidoreductase is associated with low plasma HDL-C levels. *American Journal of Human Genetics*, **2008**, 83, 180-92	11	41
38	Animal models for chronic lymphocytic leukemia. *Journal of Cellular Biochemistry*, **2007**, 100, 1109-18	4.7	39
37	WWOX in biological control and tumorigenesis. *Journal of Cellular Physiology*, **2007**, 212, 307-10	7	100
36	Targeted deletion of Wwox reveals a tumor suppressor function. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3949-54	11.5	178
35	Association of Wwox with ErbB4 in breast cancer. *Cancer Research*, **2007**, 67, 9330-6	10.1	91
34	Cleavage of the transactivation-inhibitory domain of p63 by caspases enhances apoptosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10871-6	11.5	37
33	Inactivation of the Wwox gene accelerates forestomach tumor progression in vivo. *Cancer Research* , **2007**, 67, 5606-10	10.1	60

32	WWOX expression in different histologic types and subtypes of non-small cell lung cancer. *Clinical Cancer Research*, **2007**, 13, 884-91	12.9	51
31	The Nedd4-binding partner 1 (N4BP1) protein is an inhibitor of the E3 ligase Itch. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11280-5	11.5	75
30	MicroRNA gene expression during retinoic acid-induced differentiation of human acute promyelocytic leukemia. *Oncogene*, **2007**, 26, 4148-57	9.2	322
29	Tal1 transgenic expression reveals absence of B lymphocytes. *Cancer Research*, **2006**, 66, 6014-7	10.1	5
28	MicroRNA fingerprints during human megakaryocytopoiesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5078-83	11.5	386
27	Effect of rapamycin on mouse chronic lymphocytic leukemia and the development of nonhematopoietic malignancies in Emu-TCL1 transgenic mice. *Cancer Research*, **2006**, 66, 915-20	10.1	66
26	Preclinical assessment of FHIT gene replacement therapy in human leukemia using a chimeric adenovirus, Ad5/F35. *Clinical Cancer Research*, **2006**, 12, 3494-501	12.9	14
25	Genetic ablation of Ptprj, a mouse cancer susceptibility gene, results in normal growth and development and does not predispose to spontaneous tumorigenesis. *DNA and Cell Biology*, **2006**, 25, 376-82	3.6	46
24	The E3 ubiquitin ligase Itch controls the protein stability of p63. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 12753-8	11.5	190
23	Physical association with WWOX suppresses c-Jun transcriptional activity. *Cancer Research*, **2006**, 66, 11585-9	10.1	66
22	Effect of IL-2-Bax, a novel interleukin-2-receptor-targeted chimeric protein, on bleomycin lung injury. *International Journal of Experimental Pathology*, **2005**, 86, 279-88	2.8	14
21	Akt phosphorylates Tal1 oncoprotein and inhibits its repressor activity. *Cancer Research*, **2005**, 65, 4515-9	10.1	12
20	miR-15 and miR-16 induce apoptosis by targeting BCL2. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 13944-9	11.5	2912
19	WWOX gene restoration prevents lung cancer growth in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 15611-6	11.5	110
18	WW domain-containing proteins, WWOX and YAP, compete for interaction with ErbB-4 and modulate its transcriptional function. *Cancer Research*, **2005**, 65, 6764-72	10.1	168
17	Akt phosphorylates and regulates Pdcd4 tumor suppressor protein. *Cancer Research*, **2005**, 65, 11282-6	10.1	126
16	Chronic lymphocytic leukemia: molecular genetics and animal models. *Current Topics in Microbiology and Immunology*, **2005**, 294, 51-70	3.3	23
15	Adenoviral transduction of TESTIN gene into breast and uterine cancer cell lines promotes apoptosis and tumor reduction in vivo. *Clinical Cancer Research*, **2005**, 11, 806-13	12.9	36

14	Loss of WWOX expression in gastric carcinoma. *Clinical Cancer Research*, **2004**, 10, 3053-8	12.9	103
13	Physical and functional interactions between the Wwox tumor suppressor protein and the AP-2gamma transcription factor. *Cancer Research*, **2004**, 64, 8256-61	10.1	125
12	Fhit is a physiological target of the protein kinase Src. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 3775-9	11.5	61
11	Functional association between Wwox tumor suppressor protein and p73, a p53 homolog. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4401-6	11.5	189
10	The tumor suppressor gene WWOX at FRA16D is involved in pancreatic carcinogenesis. *Clinical Cancer Research*, **2004**, 10, 2459-65	12.9	111
9	Therapy of human pancreatic carcinoma based on suppression of HMGA1 protein synthesis in preclinical models. *Cancer Gene Therapy*, **2004**, 11, 633-41	5.4	24
8	Tcl1 as a model for lymphomagenesis. *Hematology/Oncology Clinics of North America*, **2004**, 18, 863-79, ix	3.1	12
7	Mechanism of action of interleukin-2 (IL-2)-Bax, an apoptosis-inducing chimaeric protein targeted against cells expressing the IL-2 receptor. *Biochemical Journal*, **2003**, 370, 129-40	3.8	15
6	Using apoptosis for targeted cancer therapy by a new gonadotropin releasing hormone-DNA fragmentation factor 40 chimeric protein. *Clinical Cancer Research*, **2003**, 9, 1179-90	12.9	17
5	Utilizing chimeric proteins for exploring the cellular fate of endogenous proteins. *Biochemical and Biophysical Research Communications*, **2002**, 290, 332-8	3.4	4
4	Interleukin 2-Bax: a novel prototype of human chimeric proteins for targeted therapy. *FEBS Letters*, **1999**, 457, 271-6	3.8	25
3	Environmental, Genetic, and Viral Causes of Cancer35-56		
2	Modeling Genetic Epileptic Encephalopathies using Brain Organoids		1
1	MiR-16-1*and miR-16-2*possess strong tumor suppressive and anti-metastatic properties in osteosarcoma		1