

Nan-Shan Chang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5693154/nan-shan-chang-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

97
papers

1,993
citations

25
h-index

42
g-index

111
ext. papers

2,576
ext. citations

3.5
avg. IF

4.71
L-index

#	Paper	IF	Citations
97	Hyaluronidase induction of a WW domain-containing oxidoreductase that enhances tumor necrosis factor cytotoxicity. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3361-70	5.4	175
96	JNK1 physically interacts with WW domain-containing oxidoreductase (WOX1) and inhibits WOX1-mediated apoptosis. <i>Journal of Biological Chemistry</i> , 2003 , 278, 9195-202	5.4	105
95	WW domain-containing oxidoreductase: a candidate tumor suppressor. <i>Trends in Molecular Medicine</i> , 2007 , 13, 12-22	11.5	101
94	WOX1 is essential for tumor necrosis factor-, UV light-, staurosporine-, and p53-mediated cell death, and its tyrosine 33-phosphorylated form binds and stabilizes serine 46-phosphorylated p53. <i>Journal of Biological Chemistry</i> , 2005 , 280, 43100-8	5.4	99
93	Down-regulation of WW domain-containing oxidoreductase induces Tau phosphorylation in vitro. A potential role in Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2004 , 279, 30498-506	5.4	90
92	17beta-Estradiol upregulates and activates WOX1/WWOXv1 and WOX2/WWOXv2 in vitro: potential role in cancerous progression of breast and prostate to a premetastatic state in vivo. <i>Oncogene</i> , 2005 , 24, 714-23	9.2	73
91	Complement C1q activates tumor suppressor WWOX to induce apoptosis in prostate cancer cells. <i>PLoS ONE</i> , 2009 , 4, e5755	3.7	73
90	Transforming growth factor beta1 signaling via interaction with cell surface Hyal-2 and recruitment of WWOX/WOX1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 16049-59	5.4	63
89	Molecular mechanisms underlying WOX1 activation during apoptotic and stress responses. <i>Biochemical Pharmacology</i> , 2003 , 66, 1347-54	6	62
88	Spatiotemporal focusing-based widefield multiphoton microscopy for fast optical sectioning. <i>Optics Express</i> , 2012 , 20, 8939-48	3.3	61
87	WW Domain-Containing Proteins YAP and TAZ in the Hippo Pathway as Key Regulators in Stemness Maintenance, Tissue Homeostasis, and Tumorigenesis. <i>Frontiers in Oncology</i> , 2019 , 9, 60	5.3	60
86	WOX1 is essential for UVB irradiation-induced apoptosis and down-regulated via translational blockade in UVB-induced cutaneous squamous cell carcinoma in vivo. <i>Clinical Cancer Research</i> , 2005 , 11, 5769-77	12.9	58
85	Signaling from membrane receptors to tumor suppressor WW domain-containing oxidoreductase. <i>Experimental Biology and Medicine</i> , 2010 , 235, 796-804	3.7	47
84	The non-ankyrin C terminus of Ikappa Balpha physically interacts with p53 in vivo and dissociates in response to apoptotic stress, hypoxia, DNA damage, and transforming growth factor-beta 1-mediated growth suppression. <i>Journal of Biological Chemistry</i> , 2002 , 277, 10323-31	5.4	44
83	Dramatic co-activation of WWOX/WOX1 with CREB and NF-kappaB in delayed loss of small dorsal root ganglion neurons upon sciatic nerve transection in rats. <i>PLoS ONE</i> , 2009 , 4, e7820	3.7	43
82	Zfra affects TNF-mediated cell death by interacting with death domain protein TRADD and negatively regulates the activation of NF-kappaB, JNK1, p53 and WOX1 during stress response. <i>BMC Molecular Biology</i> , 2007 , 8, 50	4.5	39
81	Folate deficiency-induced oxidative stress contributes to neuropathy in young and aged zebrafish—implication in neural tube defects and Alzheimer's diseases. <i>Neurobiology of Disease</i> , 2014 , 71, 234-44	7.5	37

80	A potential role of p53 and WOX1 in mitochondrial apoptosis (review). <i>International Journal of Molecular Medicine</i> , 2002 , 9, 19-24	4.4	37
79	Trafficking protein particle complex 6A delta (TRAPPC6A) is an extracellular plaque-forming protein in the brain. <i>Oncotarget</i> , 2015 , 6, 3578-89	3.3	30
78	Hyaluronidase enhancement of TNF-mediated cell death is reversed by TGF-beta 1. <i>American Journal of Physiology - Cell Physiology</i> , 1997 , 273, C1987-94	5.4	29
77	Transforming growth factor-beta1 blocks the enhancement of tumor necrosis factor cytotoxicity by hyaluronidase Hyal-2 in L929 fibroblasts. <i>BMC Cell Biology</i> , 2002 , 3, 8		29
76	Cloning and characterization of a novel transforming growth factor-beta1-induced TIAF1 protein that inhibits tumor necrosis factor cytotoxicity. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 253, 743-9	3.4	28
75	Identification of an In Vivo MEK/WOX1 Complex as a Master Switch for Apoptosis in T Cell Leukemia. <i>Genes and Cancer</i> , 2011 , 2, 550-62	2.9	27
74	MPP+-induced neuronal death in rats involves tyrosine 33 phosphorylation of WW domain-containing oxidoreductase WOX1. <i>European Journal of Neuroscience</i> , 2008 , 27, 1634-46	3.5	27
73	Prc contributes to Escherichia coli evasion of classical complement-mediated serum killing. <i>Infection and Immunity</i> , 2012 , 80, 3399-409	3.7	25
72	WFOX suppresses prostate cancer cell progression through cyclin D1-mediated cell cycle arrest in the G1 phase. <i>Cell Cycle</i> , 2015 , 14, 408-16	4.7	24
71	Fabrication of three-dimensional multi-protein microstructures for cell migration and adhesion enhancement. <i>Biomedical Optics Express</i> , 2015 , 6, 480-90	3.5	23
70	HYAL-2-WFOX-SMAD4 Signaling in Cell Death and Anticancer Response. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 141	5.7	21
69	WFOX Phosphorylation, Signaling, and Role in Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2018 , 12, 563	5.1	21
68	UV irradiation/cold shock-mediated apoptosis is switched to bubbling cell death at low temperatures. <i>Oncotarget</i> , 2015 , 6, 8007-18	3.3	20
67	Zfra restores memory deficits in Alzheimer's disease triple-transgenic mice by blocking aggregation of TRAPPC6A, SH3GLB2, tau, and amyloid and inflammatory NF-B activation. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017 , 3, 189-204	6	19
66	Tumor Suppressor WFOX and p53 Alterations and Drug Resistance in Glioblastomas. <i>Frontiers in Oncology</i> , 2013 , 3, 43	5.3	19
65	Hyaluronan activates Hyal-2/WFOX/Smad4 signaling and causes bubbling cell death when the signaling complex is overexpressed. <i>Oncotarget</i> , 2017 , 8, 19137-19155	3.3	19
64	Role of WW Domain-containing Oxidoreductase WFOX in Driving T Cell Acute Lymphoblastic Leukemia Maturation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 17319-31	5.4	18
63	Overexpression of WW domain-containing oxidoreductase WOX1 preferentially induces apoptosis in human glioblastoma cells harboring mutant p53. <i>Biomedicine and Pharmacotherapy</i> , 2012 , 66, 433-8	7.5	18

62	Zfra is an inhibitor of Bcl-2 expression and cytochrome c release from the mitochondria. <i>Cellular Signalling</i> , 2008 , 20, 1303-12	4.9	18
61	Role of WWOX and NF- κ B in lung cancer progression. <i>Translational Respiratory Medicine</i> , 2013 , 1, 15		17
60	Investigation of two-photon excited fluorescence increment via crosslinked bovine serum albumin. <i>Optics Express</i> , 2012 , 20, 13669-76	3.3	17
59	TIAF1 and p53 functionally interact in mediating apoptosis and silencing of TIAF1 abolishes nuclear translocation of serine 15-phosphorylated p53. <i>DNA and Cell Biology</i> , 2004 , 23, 67-74	3.6	16
58	Phosphorylation/de-phosphorylation in specific sites of tumor suppressor WWOX and control of distinct biological events. <i>Experimental Biology and Medicine</i> , 2018 , 243, 137-147	3.7	15
57	Zfra activates memory Hyal-2+ CD3- CD19- spleen cells to block cancer growth, stemness, and metastasis in vivo. <i>Oncotarget</i> , 2015 , 6, 3737-51	3.3	15
56	Cloning and characterization of a small-size peptide Zfra that regulates the cytotoxic function of tumor necrosis factor by interacting with JNK1. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 327, 415-23	3.4	14
55	Wwox deficiency leads to neurodevelopmental and degenerative neuropathies and glycogen synthase kinase 3-mediated epileptic seizure activity in mice. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 6	7.3	13
54	Zfra is a small wizard in the mitochondrial apoptosis. <i>Aging</i> , 2010 , 2, 1023-9	5.6	13
53	Bubbling cell death: A hot air balloon released from the nucleus in the cold. <i>Experimental Biology and Medicine</i> , 2016 , 241, 1306-15	3.7	13
52	Self-aggregating TIAF1 in lung cancer progression. <i>Translational Respiratory Medicine</i> , 2013 , 1, 5		12
51	Introduction to a thematic issue for WWOX. <i>Experimental Biology and Medicine</i> , 2015 , 240, 281-4	3.7	12
50	TIAF1 participates in the transforming growth factor beta1-mediated growth regulation. <i>Annals of the New York Academy of Sciences</i> , 2003 , 995, 11-21	6.5	12
49	Visualization of subunit interactions and ternary complexes of protein phosphatase 2A in mammalian cells. <i>PLoS ONE</i> , 2014 , 9, e116074	3.7	12
48	Chasing the signaling run by tri-molecular time-lapse FRET microscopy. <i>Cell Death Discovery</i> , 2018 , 4, 45	6.9	11
47	WW domain-containing oxidoreductase is involved in upregulation of matrix metalloproteinase 9 by Epstein-Barr virus latent membrane protein 2A. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 436, 672-6	3.4	11
46	Natural zeolite for adsorbing and release of functional materials. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-7	3.5	11
45	Strategies by which WWOX-deficient metastatic cancer cells utilize to survive via dodging, compromising, and causing damage to WWOX-positive normal microenvironment. <i>Cell Death Discovery</i> , 2019 , 5, 97	6.9	10

44	A p53/TIAF1/WWOX triad exerts cancer suppression but may cause brain protein aggregation due to p53/WWOX functional antagonism. <i>Cell Communication and Signaling</i> , 2019 , 17, 76	7.5	9
43	Functional role of WW domain-containing proteins in tumor biology and diseases: Insight into the role in ubiquitin-proteasome system. <i>FASEB BioAdvances</i> , 2020 , 2, 234-253	2.8	8
42	Strategies of oncogenic microbes to deal with WW domain-containing oxidoreductase. <i>Experimental Biology and Medicine</i> , 2015 , 240, 329-37	3.7	8
41	Expression of WW domain-containing oxidoreductase WOX1 in human nervous system tumors. <i>Analytical Cellular Pathology</i> , 2013 , 36, 133-47	3.4	8
40	Assessing current therapeutic approaches to decode potential resistance mechanisms in glioblastomas. <i>Frontiers in Oncology</i> , 2013 , 3, 59	5.3	7
39	High-throughput fabrication of gray-level biomicrostructures via temporal focusing excitation and laser pulse control. <i>Journal of Biomedical Optics</i> , 2013 , 18, 75004	3.5	7
38	Expression of WW Domain-Containing Oxidoreductase WOX1 in Human Nervous System Tumors. <i>Analytical Cellular Pathology</i> , 2013 , 36, 133-147	3.4	5
37	Fast and improved bioimaging via temporal focusing multiphoton excitation microscopy with binary digital-micromirror-device holography. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-8	3.5	5
36	Expression of WW domain-containing oxidoreductase WWOX in pterygium. <i>Molecular Vision</i> , 2015 , 21, 711-7	2.3	5
35	Zfra induction of memory anticancer response via a novel immune cell. <i>Oncolmmunology</i> , 2016 , 5, e1213935	3.5	5
34	WWOX Possesses -Terminal Cell Surface-Exposed Epitopes WWOX and WWOX for Signaling Cancer Growth Suppression and Prevention In Vivo. <i>Cancers</i> , 2019 , 11,	6.6	5
33	Therapeutic Zfra4-10 or WWOX7-21 Peptide Induces Complex Formation of WWOX with Selective Protein Targets in Organs that Leads to Cancer Suppression and Spleen Cytotoxic Memory Z Cell Activation In Vivo. <i>Cancers</i> , 2020 , 12,	6.6	3
32	Deficiency Causes Downregulation of Prosurvival ERK Signaling and Abnormal Homeostatic Responses in Mouse Skin. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 558432	5.7	2
31	Normal cells repel WWOX-negative or -dysfunctional cancer cells via WWOX cell surface epitope 286-299. <i>Communications Biology</i> , 2021 , 4, 753	6.7	2
30	WWOX and Its Binding Proteins in Neurodegeneration. <i>Cells</i> , 2021 , 10,	7.9	2
29	WWOX is a Risk Factor for Alzheimer's Disease: How and Why?. <i>Proceedings of the Singapore National Academy of Science</i> , 2020 , 14, 31-45	0.1	1
28	Role of Zfra in mitigating epileptic seizure due to WWOX downregulation. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
27	WWOX possesses N-terminal cell surface-exposed epitopes WWOX7-21 and WWOX7-11 for signaling cancer growth suppression and prevention in vivo. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

- 26 Zfra invokes a novel mitochondrial pathway of cell death bypassing cytochrome c release. *FASEB Journal*, **2007**, 21, A1345 0.9
- 25 Induction of cancer stem cell sphere explosion by UV irradiation/cold shock or therapeutic chemicals: detection of autofluorescence using visible wavelength. *FASEB Journal*, **2018**, 32, 664.4 0.9
- 24 Converting the tumor suppressor function of WWOX to tumor promoting by Serine 14 phosphorylation. *FASEB Journal*, **2018**, 32, 668.11 0.9
- 23 TRAPPC6A, TIAF1 and SH3GLB2 are initiators for amyloid beta plaque formation and tau aggregation in vivo. *FASEB Journal*, **2018**, 32, 674.9 0.9
- 22 Extracellular MIF and Wnt and eph/ephrin signaling are involved in WWOX-regulated cell-cell recognition and migration. *FASEB Journal*, **2019**, 33, 790.2 0.9
- 21 WWOX drives UV/cold shock-induced bubbling cell death whereas without WWOX cells pop out. *FASEB Journal*, **2019**, 33, 646.4 0.9
- 20 Role of WWOX and Zfra in limiting neurodegeneration. *FASEB Journal*, **2019**, 33, lb253 0.9
- 19 A potential role of Zfra in mitigating traumatic brain injury transition to Alzheimer's disease-like symptom in mice. *FASEB Journal*, **2020**, 34, 1-1 0.9
- 18 Functional antagonism between p53 and WWOX in vivo leads to protein aggregation in the brain. *FASEB Journal*, **2020**, 34, 1-1 0.9
- 17 UV irradiation/cold shock-induced NOS2 expression for causing nuclear bubbling is WWOX and p53 dependent (1010.11). *FASEB Journal*, **2014**, 28, 1010.11 0.9
- 16 WWOX Regulation of Cancer Stem Cell Sphere Formation. *FASEB Journal*, **2015**, 29, 629.1 0.9
- 15 Hyal-2 antibody mediates cancer suppression via Hyal-2/WWOX/Smad4 signaling. *FASEB Journal*, **2015**, 29, 897.29 0.9
- 14 Role of WWOX and ERK in Controlling Cancer Cell Migration. *FASEB Journal*, **2015**, 29, 577.3 0.9
- 13 WWOX coordinates with type II TGF-beta receptor in regulating cell-to-cell recognition and immune cell differentiation. *FASEB Journal*, **2016**, 30, 1108.9 0.9
- 12 TIAF1 self-aggregation is essential for A β plaque formation in the human hippocampus. *FASEB Journal*, **2010**, 24, 1053.1 0.9
- 11 C1q/WOX1 signaling for superinduction of microvillus cluster formation. *FASEB Journal*, **2010**, 24, 711.2 0.9
- 10 TIAF1 is an essential partner for tumor suppressors p53- and WWOX-mediated apoptosis. *FASEB Journal*, **2011**, 25, 943.4 0.9
- 9 TIAF1 self-aggregation causes spontaneous activation of SMAD-responsive promoter in p53-deficient environment and cell death. *FASEB Journal*, **2012**, 26, 797.3 0.9

- 8 Self-aggregating mutant TRAPPC6A from partial exon 1 gene deletion activates caspases, binds TIAF1, and generates amyloid beta in hippocampus. *FASEB Journal*, **2012**, 26, 752.2 0.9
- 7 A Copper Complex, ghn-12, as a sensitization of DNA to UVA offers potential for a novel photochemotherapy. *FASEB Journal*, **2012**, 26, 999.5 0.9
- 6 WWOX/WOX1 is essential in UV irradiation/frostbite-induced membrane bubbling. *FASEB Journal*, **2012**, 26, 798.8 0.9
- 5 Evidence for a role of p53, WWOX and TIAF1 as tumor suppression axis. *FASEB Journal*, **2012**, 26, 782.3 0.9
- 4 Physically modified hyaluronan in cancer prevention. *FASEB Journal*, **2013**, 27, 592.5 0.9
- 3 Tumor suppressor WWOX participates in cell/cell recognition and migration. *FASEB Journal*, **2013**, 27, 765.1 0.9
- 2 Immunization against hyaluronidase Hyal-2 provides long-term cancer prevention. *FASEB Journal*, **2013**, 27, 592.4 0.9
- 1 Role of WWOX and NF- κ B in lung cancer progression (1049.2). *FASEB Journal*, **2014**, 28, 1049.2 0.9