Wen-Mei Fu

List of Publications by Year
in descending order

116	5,472	66343	91884
papers	citations	42 h-index	69 g-index

117	117	117	8535
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrasound Findings Disclose the Mutual Impact of Vertebrobasilar Dolichoectasia and Vertebral Artery Hypoplasia. Journal of Ultrasound in Medicine, 2019, 38, 3037-3042.	1.7	3
2	Cytokine MIF Enhances Blood-Brain Barrier Permeability: Impact for Therapy in Ischemic Stroke. Scientific Reports, 2018, 8, 743.	3.3	38
3	Impairment of social behaviors in Arhgef10 knockout mice. Molecular Autism, 2018, 9, 11.	4.9	24
4	Extracranial and Intracranial Ultrasonographic Findings in Posterior Circulation Infarction. Journal of Ultrasound in Medicine, 2018, 37, 1605-1610.	1.7	13
5	Involvement of Arhgef10 in social behaviour. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-56.	0.0	0
6	Pulsed-wave low-dose ultrasound hyperthermia selectively enhances nanodrug delivery and improves antitumor efficacy for brain metastasis of breast cancer. Ultrasonics Sonochemistry, 2017, 36, 198-205.	8.2	20
7	CXCL12/CXCR4 Signaling Contributes to the Pathogenesis of Opioid Tolerance: A Translational Study. Anesthesia and Analgesia, 2017, 124, 972-979.	2.2	15
8	Inhibition of osteoporosis by the Î±vÎ²3 integrin antagonist of rhodostomin variants. European Journal of Pharmacology, 2017, 804, 94-101.	3.5	17
9	Drug candidates in clinical trials for Alzheimerâ€™s disease. Journal of Biomedical Science, 2017, 24, 47.	7.0	330
10	Antagonism of proteasome inhibitor-induced heme oxygenase-1 expression by PINK1 mutation. PLoS ONE, 2017, 12, e0183076.	2.5	12
11	Integrin-linked kinase as a novel molecular switch of the IL-6-NF-ÎºB signaling loop in breast cancer. Carcinogenesis, 2016, 37, 430-442.	2.8	18
12	Key opioid prescription concerns in cancer patients: A nationwide study. Acta Anaesthesiologica Taiwanica, 2016, 54, 51-56.	1.0	9
13	Attention-Deficit/Hyperactivity Disorderâ€“related Symptoms Improved with Allergic Rhinitis Treatment in Children. American Journal of Rhinology and Allergy, 2016, 30, 209-214.	2.0	16
14	Acquisition of tumorigenic potential and enhancement of angiogenesis in pulmonary stem/progenitor cells through Oct-4 hyperexpression. Oncotarget, 2016, 7, 13917-13931.	1.8	13
15	Role of Spinal CXCL1 (GROÎ±) in Opioid Tolerance. Anesthesiology, 2015, 122, 666-676.	2.5	21
16	Attention deficits revealed by passive auditory change detection for pure tones and lexical tones in ADHD children. Frontiers in Human Neuroscience, 2015, 9, 470.	2.0	27
17	Local Immunosuppressive Microenvironment Enhances Migration of Melanoma Cells to Lungs in DJ-1 Knockout Mice. PLoS ONE, 2015, 10, e0115827.	2.5	17
18	Hypoxic Preconditioning Suppresses Glial Activation and Neuroinflammation in Neonatal Brain Insults. Mediators of Inflammation, 2015, 2015, 1-11.	3.0	22

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19	Novel Pyrazole Derivatives Effectively Inhibit Osteoclastogenesis, a Potential Target for Treating Osteoporosis. Journal of Medicinal Chemistry, 2015, 58, 4954-4963.	6.4	15
20	Inhibition of hyperactivity and impulsivity by carbonic anhydrase inhibitors in spontaneously hypertensive rats, an animal model of ADHD. Psychopharmacology, 2015, 232, 3763-3772.	3.1	12
21	LC3 overexpression reduces AÎ² neurotoxicity through increasing Î±7nAchR expression and autophagic activity in neurons and mice. Neuropharmacology, 2015, 93, 243-251.	4.1	36
22	NRIP is a novel Z-disc protein to activate calmodulin signaling for skeletal muscle contraction and regeneration. Journal of Cell Science, 2015, 128, 4196-209.	2.0	16
23	5-Lipoxygenase Inhibitors Attenuate TNF-Î±-Induced Inflammation in Human Synovial Fibroblasts. PLoS ONE, 2014, 9, e107890.	2.5	40
24	Osteopontin Upregulates the Expression of Glucose Transporters in Osteosarcoma Cells. PLoS ONE, 2014, 9, e109550.	2.5	20
25	Short-time focused ultrasound hyperthermia enhances liposomal doxorubicin delivery and antitumor efficacy for brain metastasis of breast cancer. International Journal of Nanomedicine, 2014, 9, 4485.	6.7	31
26	Autism-associated gene Dlgap2 mutant mice demonstrate exacerbated aggressive behaviors and orbitofrontal cortex deficits. Molecular Autism, 2014, 5, 32.	4.9	71
27	Hyperactivity and Impulsivity in Children with Untreated Allergic Rhinitis: Corroborated by Rating Scale and Continuous Performance Test. Pediatrics and Neonatology, 2014, 55, 168-174.	0.9	20
28	Targeted Delivery of Erythropoietin by Transcranial Focused Ultrasound for Neuroprotection against Ischemia/Reperfusion-Induced Neuronal Injury: A Long-Term and Short-Term Study. PLoS ONE, 2014, 9, e90107.	2.5	27
29	Dextromethorphan inhibits osteoclast differentiation by suppressing RANKL-induced nuclear factor-ÎºB activation. Osteoporosis International, 2013, 24, 2201-2214.	3.1	15
30	Enhancement of PLGF production by 15-(S)-HETE via PI3K-Akt, NF-ÎºB and COX-2 pathways in rheumatoid arthritis synovial fibroblast. European Journal of Pharmacology, 2013, 714, 388-396.	3.5	21
31	Enhancement of placenta growth factor expression by oncostatin M in human rheumatoid arthritis synovial fibroblasts. Journal of Cellular Physiology, 2013, 228, 983-990.	4.1	14
32	Protection of dopaminergic neurons by 5-lipoxygenase inhibitor. Neuropharmacology, 2013, 73, 380-387.	4.1	41
33	Enhancement role of host 12/15-lipoxygenase in melanoma progression. European Journal of Cancer, 2013, 49, 2747-2759.	2.8	18
34	Acetazolamide impairs fear memory consolidation in rodents. Neuropharmacology, 2013, 67, 412-418.	4.1	23
35	Increase of oxidative stress by a novel PINK1 mutation, P209A. Free Radical Biology and Medicine, 2013, 58, 160-169.	2.9	19
36	Ethanol Extracts of FreshDavallia formosana(WL1101) Inhibit Osteoclast Differentiation by Suppressing RANKL-Induced Nuclear Factor-ÎºB Activation. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-13.	1.2	17

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37	Upregulation of Drug Transporter Expression by Osteopontin in Prostate Cancer Cells. Molecular Pharmacology, 2013, 83, 968-977.	2.3	45
38	Metabolomic Dynamic Analysis of Hypoxia in MDA-MB-231 and the Comparison with Inferred Metabolites from Transcriptomics Data. Cancers, 2013, 5, 491-510.	3.7	14
39	Involvement of 15â€lipoxygenase in the inflammatory arthritis. Journal of Cellular Biochemistry, 2012, 113, 2279-2289.	2.6	36
40	A forward loop between glioma and microglia: Gliomaâ€derived extracellular matrixâ€activated microglia secrete ILâ€18 to enhance the migration of glioma cells. Journal of Cellular Physiology, 2012, 227, 558-568.	4.1	43
41	Impairment of oxidative stress-induced heme oxygenase-1 expression by the defect of Parkinson-related gene of PINK1. Journal of Neurochemistry, 2011, 117, no-no.	3.9	33
42	15-deoxy-Î”12,14-prostaglandin-J2 and ciglitazone inhibit TNF-Î±-induced matrix metalloproteinase 13 production via the antagonism of NF-ÎºB activation in human synovial fibroblasts. Journal of Cellular Physiology, 2011, 226, 3242-3250.	4.1	33
43	Glioma: Role of Integrin in Pathogenesis and Therapy. , 2011, , 61-66.		0
44	Upregulation of heme oxygenaseâ€1 inhibits the maturation and mineralization of osteoblasts. Journal of Cellular Physiology, 2010, 222, 757-768.	4.1	62
45	Elevated expression of TDP-43 in the forebrain of mice is sufficient to cause neurological and pathological phenotypes mimicking FTLD-U. Journal of Experimental Medicine, 2010, 207, 1661-1673.	8.5	183
46	The mechanism of heme oxygenase-1 action involved in the enhancement of neurotrophic factor expression. Neuropharmacology, 2010, 58, 321-329.	4.1	57
47	Autophagy protects neuron from AÎ²-induced cytotoxicity. Autophagy, 2009, 5, 502-510.	9.1	168
48	SDF-1alpha up-regulates interleukin-6 through CXCR4, PI3K/Akt, ERK, and NF-kappaB-dependent pathway in microglia. European Journal of Pharmacology, 2009, 613, 146-154.	3.5	119
49	Leptin induces migration and invasion of glioma cells through MMPâ€13 production. Glia, 2009, 57, 454-464.	4.9	86
50	Stromal cellâ€derived factorâ€1 increase Î±vÎ²3 integrin expression and invasion in human chondrosarcoma cells. Journal of Cellular Physiology, 2009, 218, 334-342.	4.1	42
51	Hypoxiaâ€induced matrix metalloproteinaseâ€13 expression in astrocytes enhances permeability of brain endothelial cells. Journal of Cellular Physiology, 2009, 220, 163-173.	4.1	63
52	Osteoblastsâ€derived BMPâ€2 enhances the motility of prostate cancer cells via activation of integrins. Prostate, 2008, 68, 1341-1353.	2.3	57
53	Ultrasound stimulates MMPâ€13 expression through p38 and JNK pathway in osteoblasts. Journal of Cellular Physiology, 2008, 215, 356-365.	4.1	17
54	Quantitative evaluation of the use of microbubbles with transcranial focused ultrasound on bloodâ€“brain-barrier disruption. Ultrasonics Sonochemistry, 2008, 15, 636-643.	8.2	77

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55	Osteoblast-Derived TGF-Î²1 Stimulates IL-8 Release Through AP-1 and NF-ÎºB in Human Cancer Cells. Journal of Bone and Mineral Research, 2008, 23, 961-970.	2.8	32
56	Lamotrigine inhibits postsynaptic AMPA receptor and glutamate release in the dentate gyrus. Epilepsia, 2008, 49, 888-897.	5.1	76
57	Enhancement of bone morphogenetic protein-2 expression and bone formation by coumarin derivatives via p38 and ERK-dependent pathway in osteoblasts. European Journal of Pharmacology, 2008, 579, 40-49.	3.5	94
58	Regulation of the maturation of osteoblasts and osteoclastogenesis by glutamate. European Journal of Pharmacology, 2008, 589, 37-44.	3.5	49
59	Enhancement of active shuttle avoidance response by the NO-cGMP-PKG activator YC-1. European Journal of Pharmacology, 2008, 590, 233-240.	3.5	28
60	Thrombin-induced IL-6 production in human synovial fibroblasts is mediated by PAR1, phospholipase C, protein kinase CÎ±, c-Src, NF-kappaB and p300 pathway. Molecular Immunology, 2008, 45, 1587-1599.	2.2	47
61	Involvement of matrix metalloproteinase-9 in stromal cell-derived factor-1/CXCR4 pathway of lung cancer metastasis. Carcinogenesis, 2008, 29, 35-43.	2.8	116
62	Enhancement of Glucose Transporter Expression of Brain Endothelial Cells by Vascular Endothelial Growth Factor Derived from Glioma Exposed to Hypoxia. Molecular Pharmacology, 2008, 73, 170-177.	2.3	140
63	Overexpression of Heme Oxygenase-1 Protects Dopaminergic Neurons against 1-Methyl-4-Phenylpyridinium-Induced Neurotoxicity. Molecular Pharmacology, 2008, 74, 1564-1575.	2.3	122
64	Low-Intensity Pulsed Ultrasound-Promoted Bone Healing Is Not Entirely Cyclooxgenase 2 Dependent. Journal of Ultrasound in Medicine, 2008, 27, 1415-1423.	1.7	4
65	Inhibition of Hypoxia-Induced Increase of Blood-Brain Barrier Permeability by YC-1 through the Antagonism of HIF-1Î± Accumulation and VEGF Expression. Molecular Pharmacology, 2007, 72, 440-449.	2.3	133
66	Leptin-Induced IL-6 Production Is Mediated by Leptin Receptor, Insulin Receptor Substrate-1, Phosphatidylinositol 3-Kinase, Akt, NF-ÎºB, and p300 Pathway in Microglia. Journal of Immunology, 2007, 179, 1292-1302.	0.8	139
67	Ultrasound Induces Hypoxia-inducible Factor-1 Activation and Inducible Nitric-oxide Synthase Expression through the Integrin/Integrin-linked Kinase/Akt/Mammalian Target of Rapamycin Pathway in Osteoblasts. Journal of Biological Chemistry, 2007, 282, 25406-25415.	3.4	69
68	Mice Deficient in Collapsin Response Mediator Protein-1 Exhibit Impaired Long-Term Potentiation and Impaired Spatial Learning and Memory. Journal of Neuroscience, 2007, 27, 2513-2524.	3.6	85
69	Adiponectin Enhances IL-6 Production in Human Synovial Fibroblast via an AdipoR1 Receptor, AMPK, p38, and NF-ÎºB Pathway. Journal of Immunology, 2007, 179, 5483-5492.	0.8	227
70	Stromal Cell-Derived Factor-1 Induces Matrix Metalloprotease-13 Expression in Human Chondrocytes. Molecular Pharmacology, 2007, 72, 695-703.	2.3	81
71	Attenuation of Bone Mass and Increase of Osteoclast Formation in Decoy Receptor 3 Transgenic Mice. Journal of Biological Chemistry, 2007, 282, 2346-2354.	3.4	39
72	PPARÎ³ inhibits osteogenesis via the down-regulation of the expression of COX-2 and iNOS in rats. Bone, 2007, 41, 562-574.	2.9	57

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73	Expression of Neurotrophic Factors in Neonatal Rats After Peripheral Inflammation. Journal of Pain, 2007, 8, 161-167.	1.4	30
74	Basic fibroblast growth factor stimulates fibronectin expression through phospholipase C Î³, protein kinase C Î±, c-Src, NF-ÎºB, and p300 pathway in osteoblasts. Journal of Cellular Physiology, 2007, 211, 45-55.	4.1	41
75	Quantitative Evaluation of Focused Ultrasound with a Contrast Agent on Blood-Brain Barrier Disruption. Ultrasound in Medicine and Biology, 2007, 33, 1421-1427.	1.5	105
76	Ultrasound induces cyclooxygenase-2 expression through integrin, integrin-linked kinase, Akt, NF-ÎºB and p300 pathway in human chondrocytes. Cellular Signalling, 2007, 19, 2317-2328.	3.6	50
77	Hypoxia-induced iNOS expression in microglia is regulated by the PI3-kinase/Akt/mTOR signaling pathway and activation of hypoxia inducible factor-1Î±. Biochemical Pharmacology, 2006, 72, 992-1000.	4.4	99
78	Ultrasound Stimulates Cyclooxygenase-2 Expression and Increases Bone Formation through Integrin, Focal Adhesion Kinase, Phosphatidylinositol 3-Kinase, and Akt Pathway in Osteoblasts. Molecular Pharmacology, 2006, 69, 2047-2057.	2.3	154
79	The effects of low-intensity ultrasound on growing bone after sciatic neurectomy. Ultrasound in Medicine and Biology, 2005, 31, 431-437.	1.5	14
80	Enhancement of learning behaviour by a potent nitric oxideâ€guanylate cyclase activator YCâ€1. European Journal of Neuroscience, 2005, 21, 1679-1688.	2.6	66
81	Inhibition of adipogenesis by RGD-dependent disintegrin. Biochemical Pharmacology, 2005, 70, 1469-1478.	4.4	20
82	Prostaglandin E2 Stimulates Fibronectin Expression through EP1 Receptor, Phospholipase C, Protein Kinase CÎ±, and c-Src Pathway in Primary Cultured Rat Osteoblasts. Journal of Biological Chemistry, 2005, 280, 22907-22916.	3.4	93
83	Regulation by ultrasound treatment on the integrin expression and differentiation of osteoblasts. Bone, 2005, 36, 276-283.	2.9	128
84	Inhibition of tumor formation by snake venom disintegrin. Toxicon, 2005, 45, 661-669.	1.6	76
85	Differential susceptibility of osteosarcoma cells and primary osteoblasts to cell detachment caused by snake venom metalloproteinase protein. Toxicon, 2004, 43, 11-20.	1.6	10
86	Inhibition of neuropathic pain by a potent disintegrinâ€”triflavin. Neuroscience Letters, 2004, 368, 263-268.	2.1	19
87	Enhancement of Fibronectin Synthesis and Fibrillogenesis by BMP-4 in Cultured Rat Osteoblast. Journal of Bone and Mineral Research, 2003, 18, 502-511.	2.8	45
88	Signal transduction for inhibition of inducible nitric oxide synthase and cyclooxygenaseâ€2 induction by capsaicin and related analogs in macrophages. British Journal of Pharmacology, 2003, 140, 1077-1087.	5.4	112
89	Enhancement of Long-Term Potentiation by a Potent Nitric Oxide-Guanylyl Cyclase Activator, 3-(5-Hydroxymethyl-2-furyl)-1-benzyl-indazole. Molecular Pharmacology, 2003, 63, 1322-1328.	2.3	74
90	Regulation of Fibronectin Fibrillogenesis by Protein Kinases in Cultured Rat Osteoblasts. Molecular Pharmacology, 2002, 61, 1163-1173.	2.3	18

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91	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. Connective Tissue Research, 2002, 43, 22-31.	2.3	14
92	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. Connective Tissue Research, 2002, 43, 22-31.	2.3	2
93	Collaboration of fibronectin matrix and neurotrophin in regulating spontaneous transmitter release at developing neuromuscular synapses in Xenopus cell cultures. Neuroscience Letters, 2001, 300, 115-119.	2.1	8
94	Modulation of Protein Kinase A Activation by Fibronectin Matrix Proteins at Developing Neuromuscular Synapses in Xenopuslaevis Cell Cultures. Molecular Pharmacology, 2001, 60, 348-354.	2.3	5
95	Regulation of acetylcholine release by extracellular matrix proteins at developing motoneurons inXenopus cell cultures. Journal of Neuroscience Research, 2001, 63, 320-329.	2.9	5
96	Effect of Amphetamine on the Expression of the Metabotropic Glutamate Receptor 5 mRNA in Developing Rat Brain. Journal of Molecular Neuroscience, 2001, 15, 177-188.	2.3	8
97	Target-dependent regulation of acetylcholine secretion at developing motoneurons inXenopuscell cultures. Journal of Physiology, 1999, 517, 721-730.	2.9	8
98	Toxicity of tunicamycin to cultured brain neurons: Ultrastructure of the degenerating neurons. Journal of Cellular Biochemistry, 1999, 74, 638-647.	2.6	28
99	Regulation of acetylcholine release by intracellular acidification of developing motoneurons inXenopuscell cultures. Journal of Physiology, 1998, 507, 41-53.	2.9	12
100	Release of acetylcholine from embryonic myocytes inXenopuscell cultures. Journal of Physiology, 1998, 509, 497-506.	2.9	10
101	Studies on Neuromuscular Blockade by Boldine in the Mouse Phrenic Nerve-Diaphragm. The Japanese Journal of Pharmacology, 1998, 76, 207-212.	1.2	6
102	Regulation of Presynaptic NMDA Responses by External and Intracellular pH Changes at Developing Neuromuscular Synapses. Journal of Neuroscience, 1998, 18, 2982-2990.	3.6	33
103	Nerve Terminal Currents Induced by Autoreception of Acetylcholine Release. Journal of Neuroscience, 1998, 18, 9954-9961.	3.6	22
104	Regulation of Quantal Secretion from Developing Motoneurons by Postsynaptic Activity-Dependent Release of NT-3. Journal of Neuroscience, 1997, 17, 2459-2468.	3.6	52
105	Regulation of Quantal Secretion by Neurotrophic Factors at Developing Motoneurons inXenopusCell Cultures. Journal of Physiology, 1997, 503, 129-139.	2.9	50
106	Regulation of postsynaptic responses by calcitonin gene related peptide and ATP at developing neuromuscular junctions. Canadian Journal of Physiology and Pharmacology, 1995, 73, 1050-1056.	1.4	16
107	Regulatory role of ATP at developing neuromuscular junctions. Progress in Neurobiology, 1995, 47, 31-44.	5.7	31
108	Additive effect of ADP and CGRP in modulation of the acetylcholine receptor channel in Xenopus embryonic myocytes. British Journal of Pharmacology, 1995, 115, 563-568.	5.4	7

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109	Potentiation by endogenously released ATP of spontaneous transmitter secretion at developing neuromuscular synapses in Xenopus cell cultures. British Journal of Pharmacology, 1994, 111, 880-886.	5.4	17
110	Staurosporine-induced morphological changes in the rat osteoblasts.. Cell Biology International, 1993, 17, 75-82.	3.0	8
111	Calcitonin gene-related peptide potentiates synaptic responses at developing neuromuscular junction. Nature, 1993, 363, 76-79.	27.8	109
112	Potentiation of miniature endplate potential frequency by ATP in Xenopus tadpoles. British Journal of Pharmacology, 1993, 108, 236-241.	5.4	9
113	Activation of protein kinase C potentiates postsynaptic acetylcholine response at developing neuromuscular synapses. British Journal of Pharmacology, 1993, 110, 707-712.	5.4	7
114	Developmental change in the modulation of acetylcholine receptor channel by protein kinase C activation in Xenopus embryonic muscle cells. Neuroscience Letters, 1993, 164, 97-100.	2.1	5
115	ATP potentiates spontaneous transmitter release at developing neuromuscular synapses. Neuron, 1991, 6, 837-843.	8.1	69
116	Effects od divalent cations on neuromuscular transmission in the chick. European Journal of Pharmacology, 1980, 64, 259-269.	3.5	33