

Wen-Mei Fu

List of Publications by Year in descending order

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116
papers

5,472
citations

66234

42
h-index

91712

69
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117
all docs

117
docs citations

117
times ranked

8535
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrasound Findings Disclose the Mutual Impact of Vertebrobasilar Dolichoectasia and Vertebral Artery Hypoplasia. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3037-3042.	0.8	3
2	Cytokine MIF Enhances Blood-Brain Barrier Permeability: Impact for Therapy in Ischemic Stroke. <i>Scientific Reports</i> , 2018, 8, 743.	1.6	38
3	Impairment of social behaviors in Arhgef10 knockout mice. <i>Molecular Autism</i> , 2018, 9, 11.	2.6	24
4	Extracranial and Intracranial Ultrasonographic Findings in Posterior Circulation Infarction. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1605-1610.	0.8	13
5	Involvement of Arhgef10 in social behaviour. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 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. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 198-205.	3.8	20
7	CXCL12/CXCR4 Signaling Contributes to the Pathogenesis of Opioid Tolerance: A Translational Study. <i>Anesthesia and Analgesia</i> , 2017, 124, 972-979.	1.1	15
8	Inhibition of osteoporosis by the $\alpha 2 \beta 3$ integrin antagonist of rhodostomin variants. <i>European Journal of Pharmacology</i> , 2017, 804, 94-101.	1.7	17
9	Drug candidates in clinical trials for Alzheimer's disease. <i>Journal of Biomedical Science</i> , 2017, 24, 47.	2.6	330
10	Antagonism of proteasome inhibitor-induced heme oxygenase-1 expression by PINK1 mutation. <i>PLoS ONE</i> , 2017, 12, e0183076.	1.1	12
11	Integrin-linked kinase as a novel molecular switch of the IL-6-NF- κ B signaling loop in breast cancer. <i>Carcinogenesis</i> , 2016, 37, 430-442.	1.3	18
12	Key opioid prescription concerns in cancer patients: A nationwide study. <i>Acta Anaesthesiologica Taiwanica</i> , 2016, 54, 51-56.	1.0	9
13	Attention-Deficit/Hyperactivity Disorder-related Symptoms Improved with Allergic Rhinitis Treatment in Children. <i>American Journal of Rhinology and Allergy</i> , 2016, 30, 209-214.	1.0	16
14	Acquisition of tumorigenic potential and enhancement of angiogenesis in pulmonary stem/progenitor cells through Oct-4 hyperexpression. <i>Oncotarget</i> , 2016, 7, 13917-13931.	0.8	13
15	Role of Spinal CXCL1 (GRO α) in Opioid Tolerance. <i>Anesthesiology</i> , 2015, 122, 666-676.	1.3	21
16	Attention deficits revealed by passive auditory change detection for pure tones and lexical tones in ADHD children. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 470.	1.0	27
17	Local Immunosuppressive Microenvironment Enhances Migration of Melanoma Cells to Lungs in DJ-1 Knockout Mice. <i>PLoS ONE</i> , 2015, 10, e0115827.	1.1	17
18	Hypoxic Preconditioning Suppresses Glial Activation and Neuroinflammation in Neonatal Brain Insults. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	1.4	22

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19	Novel Pyrazole Derivatives Effectively Inhibit Osteoclastogenesis, a Potential Target for Treating Osteoporosis. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4954-4963.	2.9	15
20	Inhibition of hyperactivity and impulsivity by carbonic anhydrase inhibitors in spontaneously hypertensive rats, an animal model of ADHD. <i>Psychopharmacology</i> , 2015, 232, 3763-3772.	1.5	12
21	LC3 overexpression reduces A β neurotoxicity through increasing α 7nAChR expression and autophagic activity in neurons and mice. <i>Neuropharmacology</i> , 2015, 93, 243-251.	2.0	36
22	NRIP is a novel Z-disc protein to activate calmodulin signaling for skeletal muscle contraction and regeneration. <i>Journal of Cell Science</i> , 2015, 128, 4196-209.	1.2	16
23	5-Lipoxygenase Inhibitors Attenuate TNF α -Induced Inflammation in Human Synovial Fibroblasts. <i>PLoS ONE</i> , 2014, 9, e107890.	1.1	40
24	Osteopontin Upregulates the Expression of Glucose Transporters in Osteosarcoma Cells. <i>PLoS ONE</i> , 2014, 9, e109550.	1.1	20
25	Short-time focused ultrasound hyperthermia enhances liposomal doxorubicin delivery and antitumor efficacy for brain metastasis of breast cancer. <i>International Journal of Nanomedicine</i> , 2014, 9, 4485.	3.3	31
26	Autism-associated gene Dlgap2 mutant mice demonstrate exacerbated aggressive behaviors and orbitofrontal cortex deficits. <i>Molecular Autism</i> , 2014, 5, 32.	2.6	71
27	Hyperactivity and Impulsivity in Children with Untreated Allergic Rhinitis: Corroborated by Rating Scale and Continuous Performance Test. <i>Pediatrics and Neonatology</i> , 2014, 55, 168-174.	0.3	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. <i>PLoS ONE</i> , 2014, 9, e90107.	1.1	27
29	Dextromethorphan inhibits osteoclast differentiation by suppressing RANKL-induced nuclear factor- κ B activation. <i>Osteoporosis International</i> , 2013, 24, 2201-2214.	1.3	15
30	Enhancement of PLGF production by 15-(S)-HETE via PI3K-Akt, NF- κ B and COX-2 pathways in rheumatoid arthritis synovial fibroblast. <i>European Journal of Pharmacology</i> , 2013, 714, 388-396.	1.7	21
31	Enhancement of placenta growth factor expression by oncostatin M in human rheumatoid arthritis synovial fibroblasts. <i>Journal of Cellular Physiology</i> , 2013, 228, 983-990.	2.0	14
32	Protection of dopaminergic neurons by 5-lipoxygenase inhibitor. <i>Neuropharmacology</i> , 2013, 73, 380-387.	2.0	41
33	Enhancement role of host 12/15-lipoxygenase in melanoma progression. <i>European Journal of Cancer</i> , 2013, 49, 2747-2759.	1.3	18
34	Acetazolamide impairs fear memory consolidation in rodents. <i>Neuropharmacology</i> , 2013, 67, 412-418.	2.0	23
35	Increase of oxidative stress by a novel PINK1 mutation, P209A. <i>Free Radical Biology and Medicine</i> , 2013, 58, 160-169.	1.3	19
36	Ethanol Extracts of Fresh <i>Davallia formosana</i> (WL1101) Inhibit Osteoclast Differentiation by Suppressing RANKL-Induced Nuclear Factor- κ B Activation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	0.5	17

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37	Upregulation of Drug Transporter Expression by Osteopontin in Prostate Cancer Cells. <i>Molecular Pharmacology</i> , 2013, 83, 968-977.	1.0	45
38	Metabolomic Dynamic Analysis of Hypoxia in MDA-MB-231 and the Comparison with Inferred Metabolites from Transcriptomics Data. <i>Cancers</i> , 2013, 5, 491-510.	1.7	14
39	Involvement of 15- λ -lipoxigenase in the inflammatory arthritis. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2279-2289.	1.2	36
40	A forward loop between glioma and microglia: Glioma-derived extracellular matrix-activated microglia secrete IL-18 to enhance the migration of glioma cells. <i>Journal of Cellular Physiology</i> , 2012, 227, 558-568.	2.0	43
41	Impairment of oxidative stress-induced heme oxygenase-1 expression by the defect of Parkinson-related gene of PINK1. <i>Journal of Neurochemistry</i> , 2011, 117, no-no.	2.1	33
42	15-deoxy- λ^2 ,14-prostaglandin-J2 and ciglitazone inhibit TNF- α -induced matrix metalloproteinase 13 production via the antagonism of NF- κ B activation in human synovial fibroblasts. <i>Journal of Cellular Physiology</i> , 2011, 226, 3242-3250.	2.0	33
43	Glioma: Role of Integrin in Pathogenesis and Therapy. , 2011, , 61-66.		0
44	Upregulation of heme oxygenase-1 inhibits the maturation and mineralization of osteoblasts. <i>Journal of Cellular Physiology</i> , 2010, 222, 757-768.	2.0	62
45	Elevated expression of TDP-43 in the forebrain of mice is sufficient to cause neurological and pathological phenotypes mimicking FTLD-U. <i>Journal of Experimental Medicine</i> , 2010, 207, 1661-1673.	4.2	183
46	The mechanism of heme oxygenase-1 action involved in the enhancement of neurotrophic factor expression. <i>Neuropharmacology</i> , 2010, 58, 321-329.	2.0	57
47	Autophagy protects neuron from A β -induced cytotoxicity. <i>Autophagy</i> , 2009, 5, 502-510.	4.3	168
48	SDF-1 α up-regulates interleukin-6 through CXCR4, PI3K/Akt, ERK, and NF- κ B-dependent pathway in microglia. <i>European Journal of Pharmacology</i> , 2009, 613, 146-154.	1.7	119
49	Leptin induces migration and invasion of glioma cells through MMP-13 production. <i>Glia</i> , 2009, 57, 454-464.	2.5	86
50	Stromal cell-derived factor-1 increase α 2 β 3 integrin expression and invasion in human chondrosarcoma cells. <i>Journal of Cellular Physiology</i> , 2009, 218, 334-342.	2.0	42
51	Hypoxia-induced matrix metalloproteinase-13 expression in astrocytes enhances permeability of brain endothelial cells. <i>Journal of Cellular Physiology</i> , 2009, 220, 163-173.	2.0	63
52	Osteoblast-derived BMP-2 enhances the motility of prostate cancer cells via activation of integrins. <i>Prostate</i> , 2008, 68, 1341-1353.	1.2	57
53	Ultrasound stimulates MMP-13 expression through p38 and JNK pathway in osteoblasts. <i>Journal of Cellular Physiology</i> , 2008, 215, 356-365.	2.0	17
54	Quantitative evaluation of the use of microbubbles with transcranial focused ultrasound on blood-brain-barrier disruption. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 636-643.	3.8	77

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55	Osteoblast-Derived TGF- β 1 Stimulates IL-8 Release Through AP-1 and NF- κ B in Human Cancer Cells. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 961-970.	3.1	32
56	Lamotrigine inhibits postsynaptic AMPA receptor and glutamate release in the dentate gyrus. <i>Epilepsia</i> , 2008, 49, 888-897.	2.6	76
57	Enhancement of bone morphogenetic protein-2 expression and bone formation by coumarin derivatives via p38 and ERK-dependent pathway in osteoblasts. <i>European Journal of Pharmacology</i> , 2008, 579, 40-49.	1.7	94
58	Regulation of the maturation of osteoblasts and osteoclastogenesis by glutamate. <i>European Journal of Pharmacology</i> , 2008, 589, 37-44.	1.7	49
59	Enhancement of active shuttle avoidance response by the NO-cGMP-PKG activator YC-1. <i>European Journal of Pharmacology</i> , 2008, 590, 233-240.	1.7	28
60	Thrombin-induced IL-6 production in human synovial fibroblasts is mediated by PAR1, phospholipase C, protein kinase C α , c-Src, NF- κ B and p300 pathway. <i>Molecular Immunology</i> , 2008, 45, 1587-1599.	1.0	47
61	Involvement of matrix metalloproteinase-9 in stromal cell-derived factor-1/CXCR4 pathway of lung cancer metastasis. <i>Carcinogenesis</i> , 2008, 29, 35-43.	1.3	116
62	Enhancement of Glucose Transporter Expression of Brain Endothelial Cells by Vascular Endothelial Growth Factor Derived from Glioma Exposed to Hypoxia. <i>Molecular Pharmacology</i> , 2008, 73, 170-177.	1.0	140
63	Overexpression of Heme Oxygenase-1 Protects Dopaminergic Neurons against 1-Methyl-4-Phenylpyridinium-Induced Neurotoxicity. <i>Molecular Pharmacology</i> , 2008, 74, 1564-1575.	1.0	122
64	Low-Intensity Pulsed Ultrasound-Promoted Bone Healing Is Not Entirely Cyclooxygenase 2 Dependent. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 1415-1423.	0.8	4
65	Inhibition of Hypoxia-Induced Increase of Blood-Brain Barrier Permeability by YC-1 through the Antagonism of HIF-1 α Accumulation and VEGF Expression. <i>Molecular Pharmacology</i> , 2007, 72, 440-449.	1.0	133
66	Leptin-Induced IL-6 Production Is Mediated by Leptin Receptor, Insulin Receptor Substrate-1, Phosphatidylinositol 3-Kinase, Akt, NF- κ B, and p300 Pathway in Microglia. <i>Journal of Immunology</i> , 2007, 179, 1292-1302.	0.4	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. <i>Journal of Biological Chemistry</i> , 2007, 282, 25406-25415.	1.6	69
68	Mice Deficient in Collapsin Response Mediator Protein-1 Exhibit Impaired Long-Term Potentiation and Impaired Spatial Learning and Memory. <i>Journal of Neuroscience</i> , 2007, 27, 2513-2524.	1.7	85
69	Adiponectin Enhances IL-6 Production in Human Synovial Fibroblast via an AdipoR1 Receptor, AMPK, p38, and NF- κ B Pathway. <i>Journal of Immunology</i> , 2007, 179, 5483-5492.	0.4	227
70	Stromal Cell-Derived Factor-1 Induces Matrix Metalloprotease-13 Expression in Human Chondrocytes. <i>Molecular Pharmacology</i> , 2007, 72, 695-703.	1.0	81
71	Attenuation of Bone Mass and Increase of Osteoclast Formation in Decoy Receptor 3 Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2007, 282, 2346-2354.	1.6	39
72	PPAR γ 3 inhibits osteogenesis via the down-regulation of the expression of COX-2 and iNOS in rats. <i>Bone</i> , 2007, 41, 562-574.	1.4	57

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73	Expression of Neurotrophic Factors in Neonatal Rats After Peripheral Inflammation. <i>Journal of Pain</i> , 2007, 8, 161-167.	0.7	30
74	Basic fibroblast growth factor stimulates fibronectin expression through phospholipase C β_3 , protein kinase C δ , c-Src, NF- κ B, and p300 pathway in osteoblasts. <i>Journal of Cellular Physiology</i> , 2007, 211, 45-55.	2.0	41
75	Quantitative Evaluation of Focused Ultrasound with a Contrast Agent on Blood-Brain Barrier Disruption. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1421-1427.	0.7	105
76	Ultrasound induces cyclooxygenase-2 expression through integrin, integrin-linked kinase, Akt, NF- κ B and p300 pathway in human chondrocytes. <i>Cellular Signalling</i> , 2007, 19, 2317-2328.	1.7	50
77	Hypoxia-induced iNOS expression in microglia is regulated by the PI3-kinase/Akt/mTOR signaling pathway and activation of hypoxia inducible factor-1 α . <i>Biochemical Pharmacology</i> , 2006, 72, 992-1000.	2.0	99
78	Ultrasound Stimulates Cyclooxygenase-2 Expression and Increases Bone Formation through Integrin, Focal Adhesion Kinase, Phosphatidylinositol 3-Kinase, and Akt Pathway in Osteoblasts. <i>Molecular Pharmacology</i> , 2006, 69, 2047-2057.	1.0	154
79	The effects of low-intensity ultrasound on growing bone after sciatic neurectomy. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 431-437.	0.7	14
80	Enhancement of learning behaviour by a potent nitric oxide- α -guanylate cyclase activator YCâ€¢1. <i>European Journal of Neuroscience</i> , 2005, 21, 1679-1688.	1.2	66
81	Inhibition of adipogenesis by RGD-dependent disintegrin. <i>Biochemical Pharmacology</i> , 2005, 70, 1469-1478.	2.0	20
82	Prostaglandin E2 Stimulates Fibronectin Expression through EP1 Receptor, Phospholipase C, Protein Kinase C δ , and c-Src Pathway in Primary Cultured Rat Osteoblasts. <i>Journal of Biological Chemistry</i> , 2005, 280, 22907-22916.	1.6	93
83	Regulation by ultrasound treatment on the integrin expression and differentiation of osteoblasts. <i>Bone</i> , 2005, 36, 276-283.	1.4	128
84	Inhibition of tumor formation by snake venom disintegrin. <i>Toxicon</i> , 2005, 45, 661-669.	0.8	76
85	Differential susceptibility of osteosarcoma cells and primary osteoblasts to cell detachment caused by snake venom metalloproteinase protein. <i>Toxicon</i> , 2004, 43, 11-20.	0.8	10
86	Inhibition of neuropathic pain by a potent disintegrin- α -triflavin. <i>Neuroscience Letters</i> , 2004, 368, 263-268.	1.0	19
87	Enhancement of Fibronectin Synthesis and Fibrillogenesis by BMP-4 in Cultured Rat Osteoblast. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 502-511.	3.1	45
88	Signal transduction for inhibition of inducible nitric oxide synthase and cyclooxygenase-2 induction by capsaicin and related analogs in macrophages. <i>British Journal of Pharmacology</i> , 2003, 140, 1077-1087.	2.7	112
89	Enhancement of Long-Term Potentiation by a Potent Nitric Oxide-Guanylyl Cyclase Activator, 3-(5-Hydroxymethyl-2-furyl)-1-benzyl-indazole. <i>Molecular Pharmacology</i> , 2003, 63, 1322-1328.	1.0	74
90	Regulation of Fibronectin Fibrillogenesis by Protein Kinases in Cultured Rat Osteoblasts. <i>Molecular Pharmacology</i> , 2002, 61, 1163-1173.	1.0	18

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91	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. <i>Connective Tissue Research</i> , 2002, 43, 22-31.	1.1	14
92	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. <i>Connective Tissue Research</i> , 2002, 43, 22-31.	1.1	2
93	Collaboration of fibronectin matrix and neurotrophin in regulating spontaneous transmitter release at developing neuromuscular synapses in <i>Xenopus</i> cell cultures. <i>Neuroscience Letters</i> , 2001, 300, 115-119.	1.0	8
94	Modulation of Protein Kinase A Activation by Fibronectin Matrix Proteins at Developing Neuromuscular Synapses in <i>Xenopus laevis</i> Cell Cultures. <i>Molecular Pharmacology</i> , 2001, 60, 348-354.	1.0	5
95	Regulation of acetylcholine release by extracellular matrix proteins at developing motoneurons in <i>Xenopus</i> cell cultures. <i>Journal of Neuroscience Research</i> , 2001, 63, 320-329.	1.3	5
96	Effect of Amphetamine on the Expression of the Metabotropic Glutamate Receptor 5 mRNA in Developing Rat Brain. <i>Journal of Molecular Neuroscience</i> , 2001, 15, 177-188.	1.1	8
97	Target-dependent regulation of acetylcholine secretion at developing motoneurons in <i>Xenopus</i> cell cultures. <i>Journal of Physiology</i> , 1999, 517, 721-730.	1.3	8
98	Toxicity of tunicamycin to cultured brain neurons: Ultrastructure of the degenerating neurons. <i>Journal of Cellular Biochemistry</i> , 1999, 74, 638-647.	1.2	28
99	Regulation of acetylcholine release by intracellular acidification of developing motoneurons in <i>Xenopus</i> cell cultures. <i>Journal of Physiology</i> , 1998, 507, 41-53.	1.3	12
100	Release of acetylcholine from embryonic myocytes in <i>Xenopus</i> cell cultures. <i>Journal of Physiology</i> , 1998, 509, 497-506.	1.3	10
101	Studies on Neuromuscular Blockade by Boldine in the Mouse Phrenic Nerve-Diaphragm. <i>The Japanese Journal of Pharmacology</i> , 1998, 76, 207-212.	1.2	6
102	Regulation of Presynaptic NMDA Responses by External and Intracellular pH Changes at Developing Neuromuscular Synapses. <i>Journal of Neuroscience</i> , 1998, 18, 2982-2990.	1.7	33
103	Nerve Terminal Currents Induced by Autoreception of Acetylcholine Release. <i>Journal of Neuroscience</i> , 1998, 18, 9954-9961.	1.7	22
104	Regulation of Quantal Secretion from Developing Motoneurons by Postsynaptic Activity-Dependent Release of NT-3. <i>Journal of Neuroscience</i> , 1997, 17, 2459-2468.	1.7	52
105	Regulation of Quantal Secretion by Neurotrophic Factors at Developing Motoneurons in <i>Xenopus</i> Cell Cultures. <i>Journal of Physiology</i> , 1997, 503, 129-139.	1.3	50
106	Regulation of postsynaptic responses by calcitonin gene related peptide and ATP at developing neuromuscular junctions. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995, 73, 1050-1056.	0.7	16
107	Regulatory role of ATP at developing neuromuscular junctions. <i>Progress in Neurobiology</i> , 1995, 47, 31-44.	2.8	31
108	Additive effect of ADP and CGRP in modulation of the acetylcholine receptor channel in <i>Xenopus</i> embryonic myocytes. <i>British Journal of Pharmacology</i> , 1995, 115, 563-568.	2.7	7

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109	Potential by endogenously released ATP of spontaneous transmitter secretion at developing neuromuscular synapses in <i>Xenopus</i> cell cultures. <i>British Journal of Pharmacology</i> , 1994, 111, 880-886.	2.7	17
110	Staurosporine-induced morphological changes in the rat osteoblasts.. <i>Cell Biology International</i> , 1993, 17, 75-82.	1.4	8
111	Calcitonin gene-related peptide potentiates synaptic responses at developing neuromuscular junction. <i>Nature</i> , 1993, 363, 76-79.	13.7	109
112	Potential of miniature endplate potential frequency by ATP in <i>Xenopus</i> tadpoles. <i>British Journal of Pharmacology</i> , 1993, 108, 236-241.	2.7	9
113	Activation of protein kinase C potentiates postsynaptic acetylcholine response at developing neuromuscular synapses. <i>British Journal of Pharmacology</i> , 1993, 110, 707-712.	2.7	7
114	Developmental change in the modulation of acetylcholine receptor channel by protein kinase C activation in <i>Xenopus</i> embryonic muscle cells. <i>Neuroscience Letters</i> , 1993, 164, 97-100.	1.0	5
115	ATP potentiates spontaneous transmitter release at developing neuromuscular synapses. <i>Neuron</i> , 1991, 6, 837-843.	3.8	69
116	Effects of divalent cations on neuromuscular transmission in the chick. <i>European Journal of Pharmacology</i> , 1980, 64, 259-269.	1.7	33