

Wen-Mei Fu

List of Publications by Year in descending order

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116
papers

5,472
citations

66343

42
h-index

91884

69
g-index

117
all docs

117
docs citations

117
times ranked

8535
citing authors

#	ARTICLE	IF	CITATIONS
1	Drug candidates in clinical trials for Alzheimer's disease. <i>Journal of Biomedical Science</i> , 2017, 24, 47.	7.0	330
2	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.	0.8	227
3	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.	8.5	183
4	Autophagy protects neuron from A β -induced cytotoxicity. <i>Autophagy</i> , 2009, 5, 502-510.	9.1	168
5	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.	2.3	154
6	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.	2.3	140
7	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.	0.8	139
8	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.	2.3	133
9	Regulation by ultrasound treatment on the integrin expression and differentiation of osteoblasts. <i>Bone</i> , 2005, 36, 276-283.	2.9	128
10	Overexpression of Heme Oxygenase-1 Protects Dopaminergic Neurons against 1-Methyl-4-Phenylpyridinium-Induced Neurotoxicity. <i>Molecular Pharmacology</i> , 2008, 74, 1564-1575.	2.3	122
11	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.	3.5	119
12	Involvement of matrix metalloproteinase-9 in stromal cell-derived factor-1/CXCR4 pathway of lung cancer metastasis. <i>Carcinogenesis</i> , 2008, 29, 35-43.	2.8	116
13	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.	5.4	112
14	Calcitonin gene-related peptide potentiates synaptic responses at developing neuromuscular junction. <i>Nature</i> , 1993, 363, 76-79.	27.8	109
15	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.	1.5	105
16	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.	4.4	99
17	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.	3.5	94
18	Prostaglandin E2 Stimulates Fibronectin Expression through EP1 Receptor, Phospholipase C, Protein Kinase C α , and c-Src Pathway in Primary Cultured Rat Osteoblasts. <i>Journal of Biological Chemistry</i> , 2005, 280, 22907-22916.	3.4	93

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19	Leptin induces migration and invasion of glioma cells through MMP-13 production. <i>Glia</i> , 2009, 57, 454-464.	4.9	86
20	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.	3.6	85
21	Stromal Cell-Derived Factor-1 Induces Matrix Metalloprotease-13 Expression in Human Chondrocytes. <i>Molecular Pharmacology</i> , 2007, 72, 695-703.	2.3	81
22	Quantitative evaluation of the use of microbubbles with transcranial focused ultrasound on blood-brain-barrier disruption. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 636-643.	8.2	77
23	Inhibition of tumor formation by snake venom disintegrin. <i>Toxicon</i> , 2005, 45, 661-669.	1.6	76
24	Lamotrigine inhibits postsynaptic AMPA receptor and glutamate release in the dentate gyrus. <i>Epilepsia</i> , 2008, 49, 888-897.	5.1	76
25	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.	2.3	74
26	Autism-associated gene <i>Dlgap2</i> mutant mice demonstrate exacerbated aggressive behaviors and orbitofrontal cortex deficits. <i>Molecular Autism</i> , 2014, 5, 32.	4.9	71
27	ATP potentiates spontaneous transmitter release at developing neuromuscular synapses. <i>Neuron</i> , 1991, 6, 837-843.	8.1	69
28	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.	3.4	69
29	Enhancement of learning behaviour by a potent nitric oxide-guanylate cyclase activator YC-1. <i>European Journal of Neuroscience</i> , 2005, 21, 1679-1688.	2.6	66
30	Hypoxia-induced matrix metalloproteinase-13 expression in astrocytes enhances permeability of brain endothelial cells. <i>Journal of Cellular Physiology</i> , 2009, 220, 163-173.	4.1	63
31	Upregulation of heme oxygenase-1 inhibits the maturation and mineralization of osteoblasts. <i>Journal of Cellular Physiology</i> , 2010, 222, 757-768.	4.1	62
32	PPAR γ inhibits osteogenesis via the down-regulation of the expression of COX-2 and iNOS in rats. <i>Bone</i> , 2007, 41, 562-574.	2.9	57
33	Osteoblast-derived BMP-2 enhances the motility of prostate cancer cells via activation of integrins. <i>Prostate</i> , 2008, 68, 1341-1353.	2.3	57
34	The mechanism of heme oxygenase-1 action involved in the enhancement of neurotrophic factor expression. <i>Neuropharmacology</i> , 2010, 58, 321-329.	4.1	57
35	Regulation of Quantal Secretion from Developing Motoneurons by Postsynaptic Activity-Dependent Release of NT-3. <i>Journal of Neuroscience</i> , 1997, 17, 2459-2468.	3.6	52
36	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.	2.9	50

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37	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.	3.6	50
38	Regulation of the maturation of osteoblasts and osteoclastogenesis by glutamate. <i>European Journal of Pharmacology</i> , 2008, 589, 37-44.	3.5	49
39	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.	2.2	47
40	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.	2.8	45
41	Upregulation of Drug Transporter Expression by Osteopontin in Prostate Cancer Cells. <i>Molecular Pharmacology</i> , 2013, 83, 968-977.	2.3	45
42	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.	4.1	43
43	Stromal cell-derived factor-1 increase α 3 integrin expression and invasion in human chondrosarcoma cells. <i>Journal of Cellular Physiology</i> , 2009, 218, 334-342.	4.1	42
44	Basic fibroblast growth factor stimulates fibronectin expression through phospholipase C β , protein kinase C δ , c-Src, NF- κ B, and p300 pathway in osteoblasts. <i>Journal of Cellular Physiology</i> , 2007, 211, 45-55.	4.1	41
45	Protection of dopaminergic neurons by 5-lipoxygenase inhibitor. <i>Neuropharmacology</i> , 2013, 73, 380-387.	4.1	41
46	5-Lipoxygenase Inhibitors Attenuate TNF- α -Induced Inflammation in Human Synovial Fibroblasts. <i>PLoS ONE</i> , 2014, 9, e107890.	2.5	40
47	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.	3.4	39
48	Cytokine MIF Enhances Blood-Brain Barrier Permeability: Impact for Therapy in Ischemic Stroke. <i>Scientific Reports</i> , 2018, 8, 743.	3.3	38
49	Involvement of 15-lipoxygenase in the inflammatory arthritis. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2279-2289.	2.6	36
50	LC3 overexpression reduces $A\beta$ neurotoxicity through increasing α 7nAChR expression and autophagic activity in neurons and mice. <i>Neuropharmacology</i> , 2015, 93, 243-251.	4.1	36
51	Effects of divalent cations on neuromuscular transmission in the chick. <i>European Journal of Pharmacology</i> , 1980, 64, 259-269.	3.5	33
52	Regulation of Presynaptic NMDA Responses by External and Intracellular pH Changes at Developing Neuromuscular Synapses. <i>Journal of Neuroscience</i> , 1998, 18, 2982-2990.	3.6	33
53	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.	3.9	33
54	15-deoxy- $\Delta^{12,14}$ -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.	4.1	33

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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.	2.8	32
56	Regulatory role of ATP at developing neuromuscular junctions. <i>Progress in Neurobiology</i> , 1995, 47, 31-44.	5.7	31
57	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.	6.7	31
58	Expression of Neurotrophic Factors in Neonatal Rats After Peripheral Inflammation. <i>Journal of Pain</i> , 2007, 8, 161-167.	1.4	30
59	Toxicity of tunicamycin to cultured brain neurons: Ultrastructure of the degenerating neurons. <i>Journal of Cellular Biochemistry</i> , 1999, 74, 638-647.	2.6	28
60	Enhancement of active shuttle avoidance response by the NO-cGMP-PKG activator YC-1. <i>European Journal of Pharmacology</i> , 2008, 590, 233-240.	3.5	28
61	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.	2.0	27
62	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.	2.5	27
63	Impairment of social behaviors in Arhgef10 knockout mice. <i>Molecular Autism</i> , 2018, 9, 11.	4.9	24
64	Acetazolamide impairs fear memory consolidation in rodents. <i>Neuropharmacology</i> , 2013, 67, 412-418.	4.1	23
65	Nerve Terminal Currents Induced by Autoreception of Acetylcholine Release. <i>Journal of Neuroscience</i> , 1998, 18, 9954-9961.	3.6	22
66	Hypoxic Preconditioning Suppresses Glial Activation and Neuroinflammation in Neonatal Brain Insults. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	3.0	22
67	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.	3.5	21
68	Role of Spinal CXCL1 (GRO β) in Opioid Tolerance. <i>Anesthesiology</i> , 2015, 122, 666-676.	2.5	21
69	Inhibition of adipogenesis by RGD-dependent disintegrin. <i>Biochemical Pharmacology</i> , 2005, 70, 1469-1478.	4.4	20
70	Osteopontin Upregulates the Expression of Glucose Transporters in Osteosarcoma Cells. <i>PLoS ONE</i> , 2014, 9, e109550.	2.5	20
71	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.	0.9	20
72	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.	8.2	20

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73	Inhibition of neuropathic pain by a potent disintegrin-triflavin. <i>Neuroscience Letters</i> , 2004, 368, 263-268.	2.1	19
74	Increase of oxidative stress by a novel PINK1 mutation, P209A. <i>Free Radical Biology and Medicine</i> , 2013, 58, 160-169.	2.9	19
75	Regulation of Fibronectin Fibrillogenesis by Protein Kinases in Cultured Rat Osteoblasts. <i>Molecular Pharmacology</i> , 2002, 61, 1163-1173.	2.3	18
76	Enhancement role of host 12/15-lipoxygenase in melanoma progression. <i>European Journal of Cancer</i> , 2013, 49, 2747-2759.	2.8	18
77	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.	2.8	18
78	Potentiality 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.	5.4	17
79	Ultrasound stimulates MMP-13 expression through p38 and JNK pathway in osteoblasts. <i>Journal of Cellular Physiology</i> , 2008, 215, 356-365.	4.1	17
80	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.	1.2	17
81	Local Immunosuppressive Microenvironment Enhances Migration of Melanoma Cells to Lungs in DJ-1 Knockout Mice. <i>PLoS ONE</i> , 2015, 10, e0115827.	2.5	17
82	Inhibition of osteoporosis by the α 2 β 3 integrin antagonist of rhodostomin variants. <i>European Journal of Pharmacology</i> , 2017, 804, 94-101.	3.5	17
83	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.	1.4	16
84	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.	2.0	16
85	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.	2.0	16
86	Dextromethorphan inhibits osteoclast differentiation by suppressing RANKL-induced nuclear factor- κ B activation. <i>Osteoporosis International</i> , 2013, 24, 2201-2214.	3.1	15
87	Novel Pyrazole Derivatives Effectively Inhibit Osteoclastogenesis, a Potential Target for Treating Osteoporosis. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4954-4963.	6.4	15
88	CXCL12/CXCR4 Signaling Contributes to the Pathogenesis of Opioid Tolerance: A Translational Study. <i>Anesthesia and Analgesia</i> , 2017, 124, 972-979.	2.2	15
89	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. <i>Connective Tissue Research</i> , 2002, 43, 22-31.	2.3	14
90	The effects of low-intensity ultrasound on growing bone after sciatic neurectomy. <i>Ultrasound in Medicine and Biology</i> , 2005, 31, 431-437.	1.5	14

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91	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.	4.1	14
92	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.	3.7	14
93	Extracranial and Intracranial Ultrasonographic Findings in Posterior Circulation Infarction. <i>Journal of Ultrasound in Medicine</i> , 2018, 37, 1605-1610.	1.7	13
94	Acquisition of tumorigenic potential and enhancement of angiogenesis in pulmonary stem/progenitor cells through Oct-4 hyperexpression. <i>Oncotarget</i> , 2016, 7, 13917-13931.	1.8	13
95	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.	2.9	12
96	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.	3.1	12
97	Antagonism of proteasome inhibitor-induced heme oxygenase-1 expression by PINK1 mutation. <i>PLoS ONE</i> , 2017, 12, e0183076.	2.5	12
98	Release of acetylcholine from embryonic myocytes in <i>Xenopus</i> cell cultures. <i>Journal of Physiology</i> , 1998, 509, 497-506.	2.9	10
99	Differential susceptibility of osteosarcoma cells and primary osteoblasts to cell detachment caused by snake venom metalloproteinase protein. <i>Toxicon</i> , 2004, 43, 11-20.	1.6	10
100	Potential of miniature endplate potential frequency by ATP in <i>Xenopus</i> tadpoles. <i>British Journal of Pharmacology</i> , 1993, 108, 236-241.	5.4	9
101	Key opioid prescription concerns in cancer patients: A nationwide study. <i>Acta Anaesthesiologica Taiwanica</i> , 2016, 54, 51-56.	1.0	9
102	Staurosporine-induced morphological changes in the rat osteoblasts. <i>Cell Biology International</i> , 1993, 17, 75-82.	3.0	8
103	Target-dependent regulation of acetylcholine secretion at developing motoneurons in <i>Xenopus</i> cell cultures. <i>Journal of Physiology</i> , 1999, 517, 721-730.	2.9	8
104	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.	2.1	8
105	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.	2.3	8
106	Activation of protein kinase C potentiates postsynaptic acetylcholine response at developing neuromuscular synapses. <i>British Journal of Pharmacology</i> , 1993, 110, 707-712.	5.4	7
107	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.	5.4	7
108	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

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109	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.	2.1	5
110	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.	2.3	5
111	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.	2.9	5
112	Low-Intensity Pulsed Ultrasound-Promoted Bone Healing Is Not Entirely Cyclooxygenase 2 Dependent. <i>Journal of Ultrasound in Medicine</i> , 2008, 27, 1415-1423.	1.7	4
113	Ultrasound Findings Disclose the Mutual Impact of Vertebrobasilar Dolichoectasia and Vertebral Artery Hypoplasia. <i>Journal of Ultrasound in Medicine</i> , 2019, 38, 3037-3042.	1.7	3
114	Differential Regulation of Fibronectin Fibrillogenesis by Protein Kinases A and C. <i>Connective Tissue Research</i> , 2002, 43, 22-31.	2.3	2
115	Glioma: Role of Integrin in Pathogenesis and Therapy. , 2011, , 61-66.		0
116	Involvement of Arhgef10 in social behaviour. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-56.	0.0	0