

# Xin Wu

## List of Publications by Year in descending order

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37  
papers

2,007  
citations

361413

20  
h-index

395702

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2063  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Calcium Current in Arteriolar Smooth Muscle by $\alpha_5\beta_1$ and $\alpha_2\beta_1$ Integrin Ligands. <i>Journal of Cell Biology</i> , 1998, 143, 241-252.	5.2	177
2	Regulation of the L-type Calcium Channel by $\alpha_5\beta_1$ Integrin Requires Signaling between Focal Adhesion Proteins. <i>Journal of Biological Chemistry</i> , 2001, 276, 30285-30292.	3.4	160
3	Integrins as Unique Receptors for Vascular Control. <i>Journal of Vascular Research</i> , 2003, 40, 211-233.	1.4	158
4	Integrins and mechanotransduction of the vascular myogenic response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1427-H1433.	3.2	151
5	Integrins as receptor targets for neurological disorders. , 2012, 134, 68-81.		149
6	Regulation of ion channels by protein tyrosine phosphorylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H1835-H1862.	3.2	129
7	Integrin Receptor Activation Triggers Converging Regulation of Cav1.2 Calcium Channels by c-Src and Protein Kinase A Pathways. <i>Journal of Biological Chemistry</i> , 2006, 281, 14015-14025.	3.4	119
8	$\alpha_4\beta_1$ Integrin Activation of L-Type Calcium Channels in Vascular Smooth Muscle Causes Arteriole Vasoconstriction. <i>Circulation Research</i> , 2002, 90, 473-480.	4.5	106
9	Estrous Cycle Regulation of Extrasynaptic $\gamma$ -Containing GABA <sub>A</sub> Receptor-Mediated Tonic Inhibition and Limbic Epileptogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 146-160.	2.5	84
10	Midazolam-Resistant Seizures and Brain Injury after Acute Intoxication of Diisopropylfluorophosphate, an Organophosphate Pesticide and Surrogate for Nerve Agents. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 302-321.	2.5	65
11	Regulation of Ion Channels by Integrins. <i>Cell Biochemistry and Biophysics</i> , 2002, 36, 41-66.	1.8	62
12	Cardiomyocyte contractile status is associated with differences in fibronectin and integrin interactions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H2071-H2081.	3.2	61
13	Perimenstrual-Like Hormonal Regulation of Extrasynaptic $\gamma$ -Containing GABA <sub>A</sub> Receptors Mediating Tonic Inhibition and Neurosteroid Sensitivity. <i>Journal of Neuroscience</i> , 2014, 34, 14181-14197.	3.6	55
14	Neurostereology protocol for unbiased quantification of neuronal injury and neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 196.	3.4	55
15	Potential of large conductance, Ca <sup>2+</sup> -activated K <sup>+</sup> (BK) channels by $\alpha_5\beta_1$ integrin activation in arteriolar smooth muscle. <i>Journal of Physiology</i> , 2008, 586, 1699-1713.	2.9	52
16	Extrasynaptic $\gamma$ -aminobutyric acid type A receptor-mediated sex differences in the antiseizure activity of neurosteroids in status epilepticus and complex partial seizures. <i>Epilepsia</i> , 2019, 60, 730-743.	5.1	48
17	$\alpha_5\beta_1$ Integrin Engagement Increases Large Conductance, Ca <sup>2+</sup> -activated K <sup>+</sup> Channel Current and Ca <sup>2+</sup> Sensitivity through c-src-mediated Channel Phosphorylation. <i>Journal of Biological Chemistry</i> , 2010, 285, 131-141.	3.4	43
18	Phosphoregulation of Cardiac Inotropy via Myosin Binding Protein-C During Increased Pacing Frequency or $\beta_1$ -Adrenergic Stimulation. <i>Circulation: Heart Failure</i> , 2015, 8, 595-604.	3.9	43

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19	Benzodiazepine-refractory status epilepticus, neuroinflammation, and interneuron neurodegeneration after acute organophosphate intoxication. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2845-2858.	3.8	41
20	Novel Role for Vinculin in Ventricular Myocyte Mechanics and Dysfunction. <i>Biophysical Journal</i> , 2013, 104, 1623-1633.	0.5	30
21	Coordinated Regulation of Vascular Ca <sup>2+</sup> and K <sup>+</sup> Channels by Integrin Signaling. <i>Advances in Experimental Medicine and Biology</i> , 2010, 674, 69-79.	1.6	27
22	Comparative profile of refractory status epilepticus models following exposure of cholinergic agents pilocarpine, DFP, and soman. <i>Neuropharmacology</i> , 2021, 191, 108571.	4.1	24
23	Measuring Histone Deacetylase Inhibition in the Brain. <i>Current Protocols in Pharmacology</i> , 2018, 81, e41.	4.0	23
24	Magnetic resonance imaging analysis of long-term neuropathology after exposure to the nerve agent soman: correlation with histopathology and neurological dysfunction. <i>Annals of the New York Academy of Sciences</i> , 2020, 1480, 116-135.	3.8	22
25	Phenobarbital as alternate anticonvulsant for organophosphate-induced benzodiazepine-refractory status epilepticus and neuronal injury. <i>Epilepsia Open</i> , 2020, 5, 198-212.	2.4	19
26	Sodium azide dilates coronary arterioles via activation of inward rectifier K <sup>+</sup> channels and Na <sup>+</sup> -K <sup>+</sup> -ATPase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1617-H1623.	3.2	18
27	Application of Atomic Force Microscopy Measurements on Cardiovascular Cells. <i>Methods in Molecular Biology</i> , 2012, 843, 229-244.	0.9	14
28	PR-independent neurosteroid regulation of $\alpha$ -GABA-A receptors in the hippocampus subfields. <i>Brain Research</i> , 2017, 1659, 142-147.	2.2	14
29	Atomic force microscopy investigations of fibronectin and $\alpha$ 5 $\beta$ 1-integrin signaling in neuroplasticity and seizure susceptibility in experimental epilepsy. <i>Epilepsy Research</i> , 2017, 138, 71-80.	1.6	14
30	Atomic Force Microscopy Protocol for Measurement of Membrane Plasticity and Extracellular Interactions in Single Neurons in Epilepsy. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 88.	3.4	13
31	Fibronectin increases the force production of mouse papillary muscles via $\alpha$ 5 $\beta$ 1 integrin. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 203-213.	1.9	12
32	A Comprehensive and Advanced Mouse Model of Post-Traumatic Epilepsy with Robust Spontaneous Recurrent Seizures. <i>Current Protocols</i> , 2022, 2, .	2.9	10
33	Long-term changes in neuroimaging markers, cognitive function and psychiatric symptoms in an experimental model of Gulf War Illness. <i>Life Sciences</i> , 2021, 285, 119971.	4.3	8
34	Atomic force microscopy study of ECM-integrin modulation of neuroplasticity in the hippocampal dentate granule cells in epilepsy. <i>FASEB Journal</i> , 2012, 26, 672.8.	0.5	1
35	Integrin activation results in cSrc mediated phosphorylation and potentiation of Maxi K channels. <i>FASEB Journal</i> , 2007, 21, .	0.5	0
36	Ovarian cycle-related effects of neurosteroids on GABA <sub>A</sub> receptor-mediated phasic and tonic currents in the hippocampus. <i>FASEB Journal</i> , 2012, 26, .	0.5	0

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37	TNF $\alpha$ -mediated regulation of myosin light chain 20 phosphorylation in lymphatic muscle. FASEB Journal, 2012, 26, 677.6.	0.5	0