Yu Xin Wang

List of Publications by Citations

47 papers	2,972 citations	25 h-index	51 g-index
51 ext. papers	3,682 ext. citations	10.2 avg, IF	5.46 L-index

#	Paper	IF	Citations
47	Building muscle: molecular regulation of myogenesis. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	590
46	Dystrophin expression in muscle stem cells regulates their polarity and asymmetric division. *Nature Medicine*, **2015**, 21, 1455-63	50.5	294
45	Satellite cells, the engines of muscle repair. *Nature Reviews Molecular Cell Biology*, **2011**, 13, 127-33	48.7	283
44	Intrinsic and extrinsic mechanisms regulating satellite cell function. *Development (Cambridge)*, **2015** , 142, 1572-81	6.6	271
43	Fibronectin regulates Wnt7a signaling and satellite cell expansion. *Cell Stem Cell*, **2013**, 12, 75-87	18	228
42	Cellular dynamics in the muscle satellite cell niche. *EMBO Reports*, **2013**, 14, 1062-72	6.5	217
41	Carm1 regulates Pax7 transcriptional activity through MLL1/2 recruitment during asymmetric satellite stem cell divisions. *Cell Stem Cell*, **2012**, 11, 333-45	18	135
40	Wnt7a stimulates myogenic stem cell motility and engraftment resulting in improved muscle strength. *Journal of Cell Biology*, **2014**, 205, 97-111	7.3	104
39	Prostaglandin E2 is essential for efficacious skeletal muscle stem-cell function, augmenting regeneration and strength. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 6675-6684	11.5	94
38	Muscle stem cells at a glance. *Journal of Cell Science*, **2014**, 127, 4543-8	5.3	73
37	EGFR-Aurka Signaling Rescues Polarity and Regeneration Defects in Dystrophin-Deficient Muscle Stem Cells by Increasing Asymmetric Divisions. *Cell Stem Cell*, **2019**, 24, 419-432.e6	18	52
36	Glucose Metabolism Drives Histone Acetylation Landscape Transitions that Dictate Muscle Stem Cell Function. *Cell Reports*, **2019**, 27, 3939-3955.e6	10.6	46
35	Increase by NG-nitro-L-arginine methyl ester (L-NAME) of resistance to venous return in rats. *British Journal of Pharmacology*, **1995**, 114, 1454-8	8.6	46
34	Functional integrity of the central and sympathetic nervous systems is a prerequisite for pressor and tachycardic effects of diphenyleneiodonium, a novel inhibitor of nitric oxide synthase. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 265, 263-72	4.7	46
33	The emerging biology of muscle stem cells: implications for cell-based therapies. *BioEssays*, **2013**, 35, 231-41	4.1	38
32	Effects of inhalation and intravenous anesthetic agents on pressor response to NG-nitro-L-arginine. *European Journal of Pharmacology*, **1991**, 198, 183-8	5.3	37
31	Pressor effect of NG-nitro-L-arginine in pentobarbital-anesthetized rats. *Life Sciences*, **1990**, 47, 2217-24	6.8	36

30	Inhibition of prostaglandin-degrading enzyme 15-PGDH rejuvenates aged muscle mass and strength. *Science*, **2021**, 371,	33.3	36
29	Vascular pharmacodynamics of NG-nitro-L-arginine methyl ester in vitro and in vivo. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 267, 1091-9	4.7	34
28	Inhibitory actions of diphenyleneiodonium on endothelium-dependent vasodilatations in vitro and in vivo. *British Journal of Pharmacology*, **1993**, 110, 1232-8	8.6	30
27	Possible dependence of pressor and heart rate effects of NG-nitro-L-arginine on autonomic nerve activity. *British Journal of Pharmacology*, **1991**, 103, 2004-8	8.6	30
26	In vitro and ex vivo inhibitory effects of L- and D-enantiomers of NG-nitro-arginine on endothelium-dependent relaxation of rat aorta. *Journal of Pharmacology and Experimental Therapeutics*, **1993**, 265, 112-9	4.7	29
25	Vasodilator effects of organotransition-metal nitrosyl complexes, novel nitric oxide donors. *Journal of Cardiovascular Pharmacology*, **2000**, 35, 73-7	3.1	28
24	Multiple actions of zinc on transmitter release at mouse end-plates. *Pflugers Archiv European Journal of Physiology*, **1990**, 415, 582-7	4.6	27
23	Pressor effects of L and D enantiomers of NG-nitro-arginine in conscious rats are antagonized by L- but not D-arginine. *European Journal of Pharmacology*, **1991**, 200, 77-81	5.3	25
22	Endothelium-derived nitric oxide partially mediates salbutamol-induced vasodilatations. *European Journal of Pharmacology*, **1993**, 250, 335-40	5.3	20
21	Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with NG-nitro-L-arginine and diphenyleneiodonium. *British Journal of Pharmacology*, **1995**, 114, 194-202	8.6	19
20	Halothane inhibits the pressor effect of diphenyleneiodonium. *British Journal of Pharmacology*, **1993**, 109, 1186-91	8.6	14
19	Single EDL Myofiber Isolation for Analyses of Quiescent and Activated Muscle Stem Cells. *Methods in Molecular Biology*, **2018**, 1686, 149-159	1.4	11
18	Primary Mouse Myoblast Purification using Magnetic Cell Separation. *Methods in Molecular Biology*, **2017**, 1556, 41-50	1.4	10
17	NG-nitro-L-arginine contracts vascular smooth muscle by an endothelium-independent mechanism. *Journal of Cardiovascular Pharmacology*, **1994**, 24, 59-63	3.1	10
16	Actions of lead on transmitter release at mouse motor nerve terminals. *Pflugers Archiv European Journal of Physiology*, **1991**, 419, 274-80	4.6	9
15	Suppression by ethanol of pressor response caused by the inhibition of nitric oxide synthesis. *European Journal of Pharmacology*, **1993**, 233, 275-8	5.3	8
14	A comparison of the inhibitory effects of sodium nitroprusside, pinacidil and nifedipine on pressor response to NG-nitro-L-arginine. *British Journal of Pharmacology*, **1993**, 108, 398-404	8.6	8
13	Thermo-responsive injectable naringin-loaded hydrogel polymerised sodium alginate/bioglass delivery for articular cartilage. *Drug Delivery*, **2021**, 28, 1290-1300	7	6

12	Treating muscular dystrophy by stimulating intrinsic repair. *Regenerative Medicine*, **2013**, 8, 237-40	2.5	5
11	Molecular regulation of determination in asymmetrically dividing muscle stem cells. *Cell Cycle*, **2013**, 12, 3-4	4.7	4
10	Biophysical matrix cues from the regenerating niche direct muscle stem cell fate in engineered microenvironments. *Biomaterials*, **2021**, 275, 120973	15.6	4
9	Selective inhibition of pressor and haemodynamic effects of NG-nitro-L-arginine by halothane. *Journal of Cardiovascular Pharmacology*, **1993**, 22, 571-8	3.1	3
8	AP-1 is a temporally regulated dual gatekeeper of reprogramming to pluripotency. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	3
7	Improved anchoring nails: design and analysis of resistance ability : Tensile test and finite element analysis (FEA) of improved anchoring nails used in temporomandibular joint (TMJ) disc anchor. *BMC Oral Health*, **2018**, 18, 150	3.7	2
6	Bilateral kidney ligation abolishes pressor response to N(G)-nitro-D-arginine. *European Journal of Pharmacology*, **1999**, 366, 175-9	5.3	2
5	Reversing aging for heart repair. *Science*, **2021**, 373, 1439-1440	33.3	2
4	Effects of adrenalectomy and chemical sympathectomy on pressor and tachycardic responses to diphenyleneiodonium. *Journal of Pharmacology and Experimental Therapeutics*, **1994**, 269, 463-9	4.7	1
3	Macrophages rescue injured engineered muscle. *Nature Biomedical Engineering*, **2018**, 2, 890-891	19	1
2	Primary cilia on muscle stem cells are critical to maintain regenerative capacity and are lost during aging.. *Nature Communications*, **2022**, 13, 1439	17.4	1
1	Skeletal Muscle Remodeling and Regeneration **2014**, 567-579		0