Yu Xin Wang

List of Publications by Year
in descending order

48 papers	4,249 citations	218381 26 h-index	214527 47 g-index
51 all docs	51 docs citations	51 times ranked	5535 citing authors

#	Article	IF	Citations
1	Building Muscle: Molecular Regulation of Myogenesis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008342-a008342.	2.3	823
2	Dystrophin expression in muscle stem cells regulates their polarity and asymmetric division. Nature Medicine, 2015, 21, 1455-1463.	15.2	443
3	Satellite cells, the engines of muscle repair. Nature Reviews Molecular Cell Biology, 2012, 13, 127-133.	16.1	408
4	Intrinsic and extrinsic mechanisms regulating satellite cell function. Development (Cambridge), 2015, 142, 1572-1581.	1.2	364
5	Cellular dynamics in the muscle satellite cell niche. EMBO Reports, 2013, 14, 1062-1072.	2.0	309
6	Fibronectin Regulates Wnt7a Signaling and Satellite Cell Expansion. Cell Stem Cell, 2013, 12, 75-87.	5.2	289
7	Carm1 Regulates Pax7 Transcriptional Activity through MLL1/2 Recruitment during Asymmetric Satellite Stem Cell Divisions. Cell Stem Cell, 2012, 11, 333-345.	5.2	184
8	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.	3.3	160
9	Wnt7a stimulates myogenic stem cell motility and engraftment resulting in improved muscle strength. Journal of Cell Biology, 2014, 205, 97-111.	2.3	132
10	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.	5.2	107
11	Inhibition of prostaglandin-degrading enzyme 15-PGDH rejuvenates aged muscle mass and strength. Science, 2021, 371, .	6.0	107
12	Muscle stem cells at a glance. Journal of Cell Science, 2014, 127, 4543-8.	1.2	95
13	Glucose Metabolism Drives Histone Acetylation Landscape Transitions that Dictate Muscle Stem Cell Function. Cell Reports, 2019, 27, 3939-3955.e6.	2.9	94
14	Increase by N^Gâ€nitroâ€Lâ€arginine methyl ester (Lâ€NAME) of resistance to venous return in rats. British Journal of Pharmacology, 1995, 114, 1454-1458.	2.7	51
15	Effects of inhalation and intravenous anaesthetic agents on presser response to NG-nitro-L-arginine. European Journal of Pharmacology, 1991, 198, 183-188.	1.7	48
16	The emerging biology of muscle stem cells: Implications for cellâ€based therapies. BioEssays, 2013, 35, 231-241.	1.2	47
17	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.	1.3	47
18	Pressor effect of NG-nitro-L-arginine in pentobarbital-anesthetized rats. Life Sciences, 1990, 47, 2217-2224.	2.0	39

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19	Vascular pharmacodynamics of NG-nitro-L-arginine methyl ester in vitro and in vivo. Journal of Pharmacology and Experimental Therapeutics, 1993, 267, 1091-9.	1.3	38
20	Primary cilia on muscle stem cells are critical to maintain regenerative capacity and are lost during aging. Nature Communications, 2022, 13, 1439.	5.8	35
21	Possible dependence of pressor and heart rate effects of N^Gâ€nitroâ€<scp>l</scp>â€arginine on autonomic nerve activity. British Journal of Pharmacology, 1991, 103, 2004-2008.	2.7	32
22	Multiple actions of zinc on transmitter release at mouse end-plates. Pflugers Archiv European Journal of Physiology, 1990, 415, 582-587.	1.3	31
23	Inhibitory actions of diphenyleneiodonium on endotheliumâ€dependent vasodilatations in vitro and in vivo. British Journal of Pharmacology, 1993, 110, 1232-1238.	2.7	31
24	Vasodilator Effects of Organotransition-Metal Nitrosyl Complexes, Novel Nitric Oxide Donors. Journal of Cardiovascular Pharmacology, 2000, 35, 73-77.	0.8	29
25	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.	1.3	29
26	Endothelium-derived nitric oxide partially mediates salbutamol-induced vasodilatations. European Journal of Pharmacology, 1993, 250, 335-340.	1.7	28
27	Pressor effects of L and D enantiomers of NGnitro-arginine in conscious rats are antagonized by L- but not D-arginine. European Journal of Pharmacology, 1991, 200, 77-81.	1.7	26
28	Single EDL Myofiber Isolation for Analyses of Quiescent and Activated Muscle Stem Cells. Methods in Molecular Biology, 2018, 1686, 149-159.	0.4	23
29	Vascular pharmacology of methylene blue in vitro and in vivo: a comparison with N^Gâ€nitroâ€<scp>l</scp>â€arginine and diphenyleneiodonium. British Journal of Pharmacology, 1995, 114, 194-202.	2.7	21
30	Primary Mouse Myoblast Purification using Magnetic Cell Separation. Methods in Molecular Biology, 2017, 1556, 41-50.	0.4	20
31	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, .	3.3	19
32	Biophysical matrix cues from the regenerating niche direct muscle stem cell fate in engineered microenvironments. Biomaterials, 2021, 275, 120973.	5.7	18
33	Halothane inhibits the pressor effect of diphenyleneiodonium. British Journal of Pharmacology, 1993, 109, 1186-1191.	2.7	16
34	Thermo-responsive injectable naringin-loaded hydrogel polymerised sodium alginate/bioglass delivery for articular cartilage. Drug Delivery, 2021, 28, 1290-1300.	2.5	14
35	Actions of lead on transmitter release at mouse motor nerve terminals. Pflugers Archiv European Journal of Physiology, 1991, 419, 274-280.	1.3	11
36	NG-Nitro-L-Arginine Contracts Vascular Smooth Muscle by an Endothelium-Independent Mechanism. Journal of Cardiovascular Pharmacology, 1994, 24, 59-63.	0.8	11

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37	Treating muscular dystrophy by stimulating intrinsic repair. Regenerative Medicine, 2013, 8, 237-240.	0.8	11
38	Suppression by ethanol of pressor response caused by the inhibition of nitric oxide synthesis. European Journal of Pharmacology, 1993, 233, 275-278.	1.7	9
39	A comparison of the inhibitory effects of sodium nitroprusside, pinacidil and nifedipine on pressor response to N^Gâ€nitroâ€<scp>l</scp>â€arginine. British Journal of Pharmacology, 1993, 108, 398-404.	2.7	9
40	Molecular regulation of determination in asymmetrically dividing muscle stem cells. Cell Cycle, 2013, 12, 3-4.	1.3	7
41	Reversing aging for heart repair. Science, 2021, 373, 1439-1440.	6.0	6
42	Selective inhibition of pressor and haemodynamic effects of NG-nitro-L-arginine by halothane. Journal of Cardiovascular Pharmacology, 1993, 22, 571-8.	0.8	6
43	Adjunctive Thymosin Beta-4 Treatment Influences PMN Effector Cell Function during Pseudomonas aeruginosa-Induced Corneal Infection. Cells, 2021, 10, 3579.	1.8	6
44	Improved anchoring nails: design and analysis of resistance ability. BMC Oral Health, 2018, 18, 150.	0.8	3
45	Bilateral kidney ligation abolishes pressor response to NG-nitro-d-arginine. European Journal of Pharmacology, 1999, 366, 175-179.	1.7	2
46	Skeletal Muscle Remodeling and Regeneration. , 2014, , 567-579.		1
47	Macrophages rescue injured engineered muscle. Nature Biomedical Engineering, 2018, 2, 890-891.	11.6	1
48	Effects of adrenalectomy and chemical sympathectomy on pressor and tachycardic responses to diphenyleneiodonium. Journal of Pharmacology and Experimental Therapeutics, 1994, 269, 463-9.	1.3	1