Lian-Wang Guo

List of Publications by Year
in descending order

58	1,500	331259	360668
papers	citations	21 h-index	35 g-index

61	61	61	2114
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BET Epigenetic Reader Proteins in Cardiovascular Transcriptional Programs. Circulation Research, 2020, 126, 1190-1208.	2.0	88
2	The Sigma-2 Receptor and Progesterone Receptor Membrane Component 1 are Different Binding Sites Derived From Independent Genes. EBioMedicine, 2015, 2, 1806-1813.	2.7	84
3	A crosstalk between TGF-Î²/Smad3 and Wnt/Î²-catenin pathways promotes vascular smooth muscle cell proliferation. Cellular Signalling, 2016, 28, 498-505.	1.7	83
4	Signaling Mechanisms of Myofibroblastic Activation: Outside-in and Inside-Out. Cellular Physiology and Biochemistry, 2018, 49, 848-868.	1.1	82
5	Role of the Sigma-1 receptor in Amyotrophic Lateral Sclerosis (ALS). Journal of Pharmacological Sciences, 2015, 127, 10-16.	1.1	67
6	Subcellular Localization of the Sigma-1 Receptor in Retinal Neurons â€" an Electron Microscopy Study. Scientific Reports, 2015, 5, 10689.	1.6	61
7	BET Bromodomain Blockade Mitigates Intimal Hyperplasia in Rat Carotid Arteries. EBioMedicine, 2015, 2, 1650-1661.	2.7	57
8	Accelerated retinal ganglion cell death in mice deficient in the Sigma-1 receptor. Molecular Vision, 2011, 17, 1034-43.	1.1	57
9	Juxtaposition of the Steroid Binding Domain-like I and II Regions Constitutes a Ligand Binding Site in the Ïƒ-1 Receptor. Journal of Biological Chemistry, 2008, 283, 19646-19656.	1.6	54
10	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. Cell, 2021, 184, 5950-5969.e22.	13.5	54
11	SIGMAR1/Sigma-1 receptor ablation impairs autophagosome clearance. Autophagy, 2019, 15, 1539-1557.	4.3	53
12	APEX2-enhanced electron microscopy distinguishes sigma-1 receptor localization in the nucleoplasmic reticulum. Oncotarget, 2017, 8, 51317-51330.	0.8	50
13	Periadventitial drug delivery for the prevention of intimal hyperplasia following open surgery. Journal of Controlled Release, 2016, 233, 174-180.	4.8	37
14	Periadventitial Application of Rapamycin-Loaded Nanoparticles Produces Sustained Inhibition of Vascular Restenosis. PLoS ONE, 2014, 9, e89227.	1.1	37
15	A paradigm of endothelium-protective and stent-free anti-restenotic therapy using biomimetic nanoclusters. Biomaterials, 2018, 178, 293-301.	5.7	36
16	TGF-Î²/Smad3 Stimulates Stem Cell/Developmental Gene Expression and Vascular Smooth Muscle Cell De-Differentiation. PLoS ONE, 2014, 9, e93995.	1.1	36
17	A rapamycin-releasing perivascular polymeric sheath produces highly effective inhibition of intimal hyperplasia. Journal of Controlled Release, 2014, 191, 47-53.	4.8	34
18	Role of the sigma-1 receptor chaperone in rod and cone photoreceptor degenerations in a mouse model of retinitis pigmentosa. Molecular Neurodegeneration, 2017, 12, 68.	4.4	30

#	Article	IF	Citations
19	HDAC6 Regulates the MRTF-A/SRF Axis and Vascular Smooth Muscle Cell Plasticity. JACC Basic To Translational Science, 2018, 3, 782-795.	1.9	30
20	Unimolecular Micelle-Based Hybrid System for Perivascular Drug Delivery Produces Long-Term Efficacy for Neointima Attenuation in Rats. Biomacromolecules, 2017, 18, 2205-2213.	2.6	28
21	Halofuginone Stimulates Adaptive Remodeling and Preserves Re-Endothelialization in Balloon-Injured Rat Carotid Arteries. Circulation: Cardiovascular Interventions, 2014, 7, 594-601.	1.4	24
22	Local CXCR4 Upregulation in the Injured Arterial Wall Contributes to Intimal Hyperplasia. Stem Cells, 2016, 34, 2744-2757.	1.4	23
23	A Human Pluripotent Stem Cell-Based Screen for Smooth Muscle Cell Differentiation and Maturation Identifies Inhibitors of Intimal Hyperplasia. Stem Cell Reports, 2019, 12, 1269-1281.	2.3	23
24	Photoreceptor protection via blockade of BET epigenetic readers in a murine model of inherited retinal degeneration. Journal of Neuroinflammation, 2017, 14, 14.	3.1	22
25	ALDH1A3 Regulations of Matricellular Proteins Promote Vascular Smooth Muscle Cell Proliferation. IScience, 2019, 19, 872-882.	1.9	22
26	Restenosis Inhibition and Re-differentiation of TGFÎ²/Smad3-activated Smooth Muscle Cells by Resveratrol. Scientific Reports, 2017, 7, 41916.	1.6	20
27	The BD2 domain of BRD4 is a determinant in EndoMT and vein graft neointima formation. Cellular Signalling, 2019, 61, 20-29.	1.7	20
28	A hierarchical and collaborative BRD4/CEBPD partnership governs vascular smooth muscle cell inflammation. Molecular Therapy - Methods and Clinical Development, 2021, 21, 54-66.	1.8	17
29	PERK Inhibition Mitigates Restenosis andÂThrombosis. JACC Basic To Translational Science, 2020, 5, 245-263.	1.9	16
30	The Retinal cGMP Phosphodiesterase γ-Subunit â€" A Chameleon. Current Protein and Peptide Science, 2008, 9, 611-625.	0.7	15
31	High-Throughput Screening Identifies Idarubicin as a Preferential Inhibitor of Smooth Muscle versus Endothelial Cell Proliferation. PLoS ONE, 2014, 9, e89349.	1.1	15
32	Recent progress on nanoparticles for targeted aneurysm treatment and imaging. Biomaterials, 2021, 265, 120406.	5.7	15
33	Peeking into Sigma-1 Receptor Functions Through the Retina. Advances in Experimental Medicine and Biology, 2017, 964, 285-297.	0.8	14
34	Mass Spectrometric Imaging Reveals Temporal and Spatial Dynamics of Bioactive Lipids in Arteries Undergoing Restenosis. Journal of Proteome Research, 2019, 18, 1669-1678.	1.8	14
35	Potential independent action of sigma receptor ligands through inhibition of the Kv2.1 channel. Oncotarget, 2017, 8, 59345-59358.	0.8	14
36	Analysis of Combined Transcriptomes Identifies Gene Modules that Differentially Respond to Pathogenic Stimulation of Vascular Smooth Muscle and Endothelial Cells. Scientific Reports, 2018, 8, 395.	1.6	13

#	Article	IF	Citations
37	Biomimetic, ROS-detonable nanoclusters â€" A multimodal nanoplatform for anti-restenotic therapy. Journal of Controlled Release, 2021, 338, 295-306.	4.8	13
38	BRD2 regulation of sigma-2 receptor upon cholesterol deprivation. Life Science Alliance, 2021, 4, e201900540.	1.3	13
39	A Murine Model of Arterial Restenosis: Technical Aspects of Femoral Wire Injury. Journal of Visualized Experiments, 2015, , .	0.2	12
40	Development of sigma-1 (Ïƒ 1) receptor fluorescent ligands as versatile tools to study Ïƒ 1 receptors. European Journal of Medicinal Chemistry, 2016, 108, 577-585.	2.6	11
41	Nullifying epigenetic writer DOT1L attenuates neointimal hyperplasia. Atherosclerosis, 2020, 308, 22-31.	0.4	11
42	Complementary Interactions of the Rod PDE6 Inhibitory Subunit with the Catalytic Subunits and Transducin. Journal of Biological Chemistry, 2010, 285, 15209-15219.	1.6	8
43	TMEM97 ablation aggravates oxidant-induced retinal degeneration. Cellular Signalling, 2021, 86, 110078.	1.7	8
44	Epigenetic intervention with a BET inhibitor ameliorates acute retinal ganglion cell death in mice. Molecular Vision, 2017, 23, 149-159.	1.1	8
45	Smad3 Regulates Neuropilin 2 Transcription by Binding to its 5â€² Untranslated Region. Journal of the American Heart Association, 2020, 9, e015487.	1.6	7
46	PERK Inhibition Promotes Post-angioplasty Re-endothelialization via Modulating SMC Phenotype Changes. Journal of Surgical Research, 2021, 257, 294-305.	0.8	7
47	A Role for Polo-Like Kinase 4 in Vascular Fibroblast Cell-Type Transition. JACC Basic To Translational Science, 2021, 6, 257-283.	1.9	7
48	An adventitial painting modality of local drug delivery to abate intimal hyperplasia. Biomaterials, 2021, 275, 120968.	5.7	7
49	SREBP1 regulates Lgals3 activation in response to cholesterol loading. Molecular Therapy - Nucleic Acids, 2022, 28, 892-909.	2.3	7
50	Sigma-1 receptor ablation impedes adipocyte-like differentiation of mouse embryonic fibroblasts. Cellular Signalling, 2020, 75, 109732.	1.7	6
51	Angioplasty induces epigenomic remodeling in injured arteries. Life Science Alliance, 2022, 5, e202101114.	1.3	6
52	N-terminal Half of the cGMP Phosphodiesterase Î³-Subunit Contributes to Stabilization of the GTPase-accelerating Protein Complex. Journal of Biological Chemistry, 2011, 286, 15260-15267.	1.6	5
53	Development of Benzophenoneâ€Alkyne Bifunctional Sigma Receptor Ligands. ChemBioChem, 2012, 13, 2277-2289.	1.3	5
54	Nitric Acid in the Presence of Supported P2O5 On Silica Gel Affords an Efficient and Mild System for Oxidation of Organic Compounds Under Solvent-Free Conditions. Molecular Crystals and Liquid Crystals, 2006, 456, 85-93.	0.4	4

#	Article	IF	Citations
55	miR548ai antagonism attenuates exosome-induced endothelial cell dysfunction. Cell Death Discovery, 2021, 7, 318.	2.0	3
56	Abstract 332: Inhibition of the Enhancer of Zeste Homolog Family Mitigates Intimal Hyperplasia in Rat Carotid Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, .	1.1	2
57	Smad2 inhibition of MET transcription potentiates human vascular smooth muscle cell apoptosis. Atherosclerosis Plus, 2021, 44, 31-42.	0.3	1
58	THE 18 ƙDa SIGMAâ€2 Receptor and PGRMC1 are Derived From Separate Genes. FASEB Journal, 2015, 29, LB511.	0.2	0