

# Lian-Wang Guo

## List of Publications by Year in descending order

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58  
papers

1,500  
citations

331259

21  
h-index

360668

35  
g-index

61  
all docs

61  
docs citations

61  
times ranked

2114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Angioplasty induces epigenomic remodeling in injured arteries. <i>Life Science Alliance</i> , 2022, 5, e202101114.	1.3	6
2	SREBP1 regulates Lgals3 activation in response to cholesterol loading. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 28, 892-909.	2.3	7
3	Recent progress on nanoparticles for targeted aneurysm treatment and imaging. <i>Biomaterials</i> , 2021, 265, 120406.	5.7	15
4	PERK Inhibition Promotes Post-angioplasty Re-endothelialization via Modulating SMC Phenotype Changes. <i>Journal of Surgical Research</i> , 2021, 257, 294-305.	0.8	7
5	A Role for Polo-Like Kinase 4 in Vascular Fibroblast Cell-Type Transition. <i>JACC Basic To Translational Science</i> , 2021, 6, 257-283.	1.9	7
6	A hierarchical and collaborative BRD4/CEBPD partnership governs vascular smooth muscle cell inflammation. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 54-66.	1.8	17
7	An adventitial painting modality of local drug delivery to abate intimal hyperplasia. <i>Biomaterials</i> , 2021, 275, 120968.	5.7	7
8	Smad2 inhibition of MET transcription potentiates human vascular smooth muscle cell apoptosis. <i>Atherosclerosis Plus</i> , 2021, 44, 31-42.	0.3	1
9	Biomimetic, ROS-detonable nanoclusters " A multimodal nanoplatform for anti-restenotic therapy. <i>Journal of Controlled Release</i> , 2021, 338, 295-306.	4.8	13
10	TMEM97 ablation aggravates oxidant-induced retinal degeneration. <i>Cellular Signalling</i> , 2021, 86, 110078.	1.7	8
11	BRD2 regulation of sigma-2 receptor upon cholesterol deprivation. <i>Life Science Alliance</i> , 2021, 4, e201900540.	1.3	13
12	miR548ai antagonism attenuates exosome-induced endothelial cell dysfunction. <i>Cell Death Discovery</i> , 2021, 7, 318.	2.0	3
13	Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. <i>Cell</i> , 2021, 184, 5950-5969.e22.	13.5	54
14	Nullifying epigenetic writer DOT1L attenuates neointimal hyperplasia. <i>Atherosclerosis</i> , 2020, 308, 22-31.	0.4	11
15	Sigma-1 receptor ablation impedes adipocyte-like differentiation of mouse embryonic fibroblasts. <i>Cellular Signalling</i> , 2020, 75, 109732.	1.7	6
16	PERK Inhibition Mitigates Restenosis and Thrombosis. <i>JACC Basic To Translational Science</i> , 2020, 5, 245-263.	1.9	16
17	BET Epigenetic Reader Proteins in Cardiovascular Transcriptional Programs. <i>Circulation Research</i> , 2020, 126, 1190-1208.	2.0	88
18	Smad3 Regulates Neuropilin 2 Transcription by Binding to its 5' Untranslated Region. <i>Journal of the American Heart Association</i> , 2020, 9, e015487.	1.6	7

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19	ALDH1A3 Regulations of Matricellular Proteins Promote Vascular Smooth Muscle Cell Proliferation. <i>IScience</i> , 2019, 19, 872-882.	1.9	22
20	A Human Pluripotent Stem Cell-Based Screen for Smooth Muscle Cell Differentiation and Maturation Identifies Inhibitors of Intimal Hyperplasia. <i>Stem Cell Reports</i> , 2019, 12, 1269-1281.	2.3	23
21	The BD2 domain of BRD4 is a determinant in EndoMT and vein graft neointima formation. <i>Cellular Signalling</i> , 2019, 61, 20-29.	1.7	20
22	SIGMAR1/Sigma-1 receptor ablation impairs autophagosome clearance. <i>Autophagy</i> , 2019, 15, 1539-1557.	4.3	53
23	Mass Spectrometric Imaging Reveals Temporal and Spatial Dynamics of Bioactive Lipids in Arteries Undergoing Restenosis. <i>Journal of Proteome Research</i> , 2019, 18, 1669-1678.	1.8	14
24	Analysis of Combined Transcriptomes Identifies Gene Modules that Differentially Respond to Pathogenic Stimulation of Vascular Smooth Muscle and Endothelial Cells. <i>Scientific Reports</i> , 2018, 8, 395.	1.6	13
25	HDAC6 Regulates the MRTF-A/SRF Axis and Vascular Smooth Muscle Cell Plasticity. <i>JACC Basic To Translational Science</i> , 2018, 3, 782-795.	1.9	30
26	Signaling Mechanisms of Myofibroblastic Activation: Outside-in and Inside-Out. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 848-868.	1.1	82
27	A paradigm of endothelium-protective and stent-free anti-restenotic therapy using biomimetic nanoclusters. <i>Biomaterials</i> , 2018, 178, 293-301.	5.7	36
28	Restenosis Inhibition and Re-differentiation of TGF $\beta$ 2/Smad3-activated Smooth Muscle Cells by Resveratrol. <i>Scientific Reports</i> , 2017, 7, 41916.	1.6	20
29	Unimolecular Micelle-Based Hybrid System for Perivascular Drug Delivery Produces Long-Term Efficacy for Neointima Attenuation in Rats. <i>Biomacromolecules</i> , 2017, 18, 2205-2213.	2.6	28
30	Peeking into Sigma-1 Receptor Functions Through the Retina. <i>Advances in Experimental Medicine and Biology</i> , 2017, 964, 285-297.	0.8	14
31	Photoreceptor protection via blockade of BET epigenetic readers in a murine model of inherited retinal degeneration. <i>Journal of Neuroinflammation</i> , 2017, 14, 14.	3.1	22
32	Role of the sigma-1 receptor chaperone in rod and cone photoreceptor degenerations in a mouse model of retinitis pigmentosa. <i>Molecular Neurodegeneration</i> , 2017, 12, 68.	4.4	30
33	APEX2-enhanced electron microscopy distinguishes sigma-1 receptor localization in the nucleoplasmic reticulum. <i>Oncotarget</i> , 2017, 8, 51317-51330.	0.8	50
34	Potential independent action of sigma receptor ligands through inhibition of the Kv2.1 channel. <i>Oncotarget</i> , 2017, 8, 59345-59358.	0.8	14
35	Abstract 332: Inhibition of the Enhancer of Zeste Homolog Family Mitigates Intimal Hyperplasia in Rat Carotid Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, .	1.1	2
36	Epigenetic intervention with a BET inhibitor ameliorates acute retinal ganglion cell death in mice. <i>Molecular Vision</i> , 2017, 23, 149-159.	1.1	8

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37	Local CXCR4 Upregulation in the Injured Arterial Wall Contributes to Intimal Hyperplasia. <i>Stem Cells</i> , 2016, 34, 2744-2757.	1.4	23
38	Periadventitial drug delivery for the prevention of intimal hyperplasia following open surgery. <i>Journal of Controlled Release</i> , 2016, 233, 174-180.	4.8	37
39	Development of sigma-1 ( $\sigma_1$ ) receptor fluorescent ligands as versatile tools to study $\sigma_1$ receptors. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 577-585.	2.6	11
40	A crosstalk between TGF- $\beta$ 2/Smad3 and Wnt/ $\beta$ -catenin pathways promotes vascular smooth muscle cell proliferation. <i>Cellular Signalling</i> , 2016, 28, 498-505.	1.7	83
41	BET Bromodomain Blockade Mitigates Intimal Hyperplasia in Rat Carotid Arteries. <i>EBioMedicine</i> , 2015, 2, 1650-1661.	2.7	57
42	The Sigma-2 Receptor and Progesterone Receptor Membrane Component 1 are Different Binding Sites Derived From Independent Genes. <i>EBioMedicine</i> , 2015, 2, 1806-1813.	2.7	84
43	Subcellular Localization of the Sigma-1 Receptor in Retinal Neurons "an Electron Microscopy Study. <i>Scientific Reports</i> , 2015, 5, 10689.	1.6	61
44	A Murine Model of Arterial Restenosis: Technical Aspects of Femoral Wire Injury. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	12
45	Role of the Sigma-1 receptor in Amyotrophic Lateral Sclerosis (ALS). <i>Journal of Pharmacological Sciences</i> , 2015, 127, 10-16.	1.1	67
46	THE 18 kDa SIGMA-2 Receptor and PGRMC1 are Derived From Separate Genes. <i>FASEB Journal</i> , 2015, 29, LB511.	0.2	0
47	High-Throughput Screening Identifies Idarubicin as a Preferential Inhibitor of Smooth Muscle versus Endothelial Cell Proliferation. <i>PLoS ONE</i> , 2014, 9, e89349.	1.1	15
48	Halofuginone Stimulates Adaptive Remodeling and Preserves Re-Endothelialization in Balloon-Injured Rat Carotid Arteries. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 594-601.	1.4	24
49	A rapamycin-releasing perivascular polymeric sheath produces highly effective inhibition of intimal hyperplasia. <i>Journal of Controlled Release</i> , 2014, 191, 47-53.	4.8	34
50	Periadventitial Application of Rapamycin-Loaded Nanoparticles Produces Sustained Inhibition of Vascular Restenosis. <i>PLoS ONE</i> , 2014, 9, e89227.	1.1	37
51	TGF- $\beta$ 2/Smad3 Stimulates Stem Cell/Developmental Gene Expression and Vascular Smooth Muscle Cell De-Differentiation. <i>PLoS ONE</i> , 2014, 9, e93995.	1.1	36
52	Development of Benzophenone-Alkyne Bifunctional Sigma Receptor Ligands. <i>ChemBioChem</i> , 2012, 13, 2277-2289.	1.3	5
53	N-terminal Half of the cGMP Phosphodiesterase $\beta$ 3-Subunit Contributes to Stabilization of the GTPase-accelerating Protein Complex. <i>Journal of Biological Chemistry</i> , 2011, 286, 15260-15267.	1.6	5
54	Accelerated retinal ganglion cell death in mice deficient in the Sigma-1 receptor. <i>Molecular Vision</i> , 2011, 17, 1034-43.	1.1	57

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55	Complementary Interactions of the Rod PDE6 Inhibitory Subunit with the Catalytic Subunits and Transducin. <i>Journal of Biological Chemistry</i> , 2010, 285, 15209-15219.	1.6	8
56	Juxtaposition of the Steroid Binding Domain-like I and II Regions Constitutes a Ligand Binding Site in the $\beta$ -1 Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 19646-19656.	1.6	54
57	The Retinal cGMP Phosphodiesterase $\alpha$ -Subunit: A Chameleon. <i>Current Protein and Peptide Science</i> , 2008, 9, 611-625.	0.7	15
58	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. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 456, 85-93.	0.4	4