

# Hong-Bo Xin

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

1,537

citations

18

h-index

38

g-index

67

ext. papers

1,921

ext. citations

7.7

avg, IF

4.43

L-index

#	Paper	IF	Citations
67	Oestrogen protects FKBP12.6 null mice from cardiac hypertrophy. <i>Nature</i> , <b>2002</b> , 416, 334-8	50.4	255
66	Selective binding of FKBP12.6 by the cardiac ryanodine receptor. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 20385-91	5.4	193
65	Single Cell Isolation and Analysis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2016</b> , 4, 116	5.7	167
64	Three amino acid residues determine selective binding of FK506-binding protein 12.6 to the cardiac ryanodine receptor. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 15315-9	5.4	62
63	Inhibition of NAMPT aggravates high fat diet-induced hepatic steatosis in mice through regulating Sirt1/AMPK/SREBP1 signaling pathway. <i>Lipids in Health and Disease</i> , <b>2017</b> , 16, 82	4.4	57
62	Near-Infrared Triggered Release of uPA from Nanospheres for Localized Hyperthermia-Enhanced Thrombolysis. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701824	15.6	45
61	Fast-Acting Black-Phosphorus-Assisted Depression Therapy with Low Toxicity. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906050	24	44
60	CD38 Deficiency Protects the Heart from Ischemia/Reperfusion Injury through Activating SIRT1/FOXOs-Mediated Antioxidative Stress Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2016</b> , 2016, 7410257	6.7	44
59	CD38 promotes angiotensin II-induced cardiac hypertrophy. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 1492-1502	5.6	43
58	Dissociation of FKBP12.6 from ryanodine receptor type 2 is regulated by cyclic ADP-ribose but not beta-adrenergic stimulation in mouse cardiomyocytes. <i>Cardiovascular Research</i> , <b>2009</b> , 84, 253-62	9.9	41
57	Asiatic Acid Attenuates Myocardial Ischemia/Reperfusion Injury via Akt/GSK-3 $\beta$ /HIF-1 $\beta$ Signaling in Rat H9c2 Cardiomyocytes. <i>Molecules</i> , <b>2016</b> , 21,	4.8	40
56	TEAD1 (TEA Domain Transcription Factor 1) Promotes Smooth Muscle Cell Proliferation Through Upregulating SLC1A5 (Solute Carrier Family 1 Member 5)-Mediated Glutamine Uptake. <i>Circulation Research</i> , <b>2019</b> , 124, 1309-1322	15.7	26
55	Zn or O? An Atomic Level Comparison on Antibacterial Activities of Zinc Oxides. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 8053-8	4.8	25
54	Several biological benefits of the low color temperature light-emitting diodes based normal indoor lighting source. <i>Scientific Reports</i> , <b>2019</b> , 9, 7560	4.9	24
53	CD38 deficiency suppresses adipogenesis and lipogenesis in adipose tissues through activating Sirt1/PPAR $\beta$ signaling pathway. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 101-110	5.6	24
52	Mouse embryonic fibroblasts from CD38 knockout mice are resistant to oxidative stresses through inhibition of reactive oxygen species production and Ca(2+) overload. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 399, 167-72	3.4	23
51	Platelet-Mimic uPA Delivery Nanovectors Based on Au Rods for Thrombus Targeting and Treatment. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 4219-4224	5.5	20

50	Full Spectrum Visible LED Light Activated Antibacterial System Realized by Optimized Cu2O Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8386-92	9.5	18
49	High-throughput sequencing analyses of oral microbial diversity in healthy people and patients with dental caries and periodontal disease. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 127-132	2.9	17
48	CD38 Deficiency Alleviates D-Galactose-Induced Myocardial Cell Senescence Through NAD/Sirt1 Signaling Pathway. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1125	4.6	17
47	In vitro and in vivo examination of anticolonization of pathogens by <i>Lactobacillus paracasei</i> FJ861111.1. <i>Journal of Dairy Science</i> , <b>2015</b> , 98, 6759-66	4	17
46	Local extraction and detection of early stage breast cancers through a microneedle and nano-Ag/MBL film based painless and blood-free strategy. <i>Materials Science and Engineering C</i> , <b>2020</b> , 109, 110402	8.3	17
45	Evaluation of the Antioxidative, Antibacterial, and Anti-Inflammatory Effects of the Aloe Fermentation Supernatant Containing <i>Lactobacillus plantarum</i> HM218749.1. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 2945650	4.3	17
44	Triptolide modulates tumour-colonisation and anti-tumour effect of attenuated <i>Salmonella</i> encoding DNase I. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 929-939	5.7	17
43	The "Pure Marriage" between 3D Printing and Well-Ordered Nanoarrays by Using PEALD Assisted Hydrothermal Surface Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8393-400	9.5	16
42	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. <i>Scientific Reports</i> , <b>2018</b> , 8, 2678	4.9	15
41	A champagne inspired dual chain-responsive thrombolytic drug release platform based on black phosphorus nanosheets for accelerated thrombolysis. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1277-1285	10.8	15
40	Recent Advances in Nanozymes: From Matters to Bioapplications. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2110432	15.6	15
39	Post-transcriptional gene regulation by RNA-binding proteins in vascular endothelial dysfunction. <i>Science China Life Sciences</i> , <b>2014</b> , 57, 836-44	8.5	13
38	A Phase II Randomized Clinical Trial and Mechanistic Studies Using Improved Probiotics to Prevent Oral Mucositis Induced by Concurrent Radiotherapy and Chemotherapy in Nasopharyngeal Carcinoma. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 618150	8.4	12
37	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 1635-1647	6.6	11
36	Transcription factor TEAD1 is essential for vascular development by promoting vascular smooth muscle differentiation. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 2790-2806	12.7	11
35	AQR is a novel type 2 diabetes-associated gene that regulates signaling pathways critical for glucose metabolism. <i>Journal of Genetics and Genomics</i> , <b>2018</b> , 45, 111-120	4	11
34	CD38 Deficiency Promotes Inflammatory Response through Activating Sirt1/NF-B-Mediated Inhibition of TLR2 Expression in Macrophages. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 8736949	4.3	11
33	Disruption of CD38 gene enhances cardiac functions by elevating serum testosterone in the male null mice. <i>Life Sciences</i> , <b>2011</b> , 89, 491-7	6.8	11

32	Evaluation of the accuracy and sensitivity of high-throughput sequencing technology using known microbiota. <i>Molecular Medicine Reports</i> , <b>2018</b> , 17, 408-413	2.9	10
31	Localized Light-Au-Hyperthermia Treatment for Precise, Rapid, and Drug-Free Blood Clot Lysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1951-1956	9.5	10
30	3D printed self-driven thumb-sized motors for in-situ underwater pollutant remediation. <i>Scientific Reports</i> , <b>2017</b> , 7, 41169	4.9	8
29	Therapeutic effect of herb residue fermentation supernatant on spleen-deficient mice. <i>Molecular Medicine Reports</i> , <b>2018</b> , 17, 2764-2770	2.9	8
28	FKBP12.6 protects heart from AngII-induced hypertrophy through inhibiting Ca/calmodulin-mediated signalling pathways in vivo and in vitro. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 3638-3651	5.6	8
27	BECN1 promotes the migration of NSCLC cells through regulating the ubiquitination of Vimentin. <i>Cell Adhesion and Migration</i> , <b>2019</b> , 13, 249-259	3.2	8
26	Transgenic analysis of the role of FKBP12.6 in cardiac function and intracellular calcium release. <i>Assay and Drug Development Technologies</i> , <b>2011</b> , 9, 620-7	2.1	8
25	CD38 deficiency alleviates Ang II-induced vascular remodeling by inhibiting small extracellular vesicle-mediated vascular smooth muscle cell senescence in mice. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 223	2.1	7
24	Surface nano-engineered wheat straw for portable and adjustable water purification. <i>Science of the Total Environment</i> , <b>2019</b> , 655, 1028-1036	10.2	7
23	Air Flow Assisted One Step Synthesis of Porous Carbon with Selected Area Enriched Ag/ZnO Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5651-5656	8.3	5
22	Evaluation of the inhibitory effects of vaginal microorganisms on sperm motility. <i>Experimental and Therapeutic Medicine</i> , <b>2020</b> , 19, 535-544	2.1	5
21	Regulation of Blood Glucose Using Islets Encapsulated in a Melanin-Modified Immune-Shielding Hydrogel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12877-12887	9.5	5
20	Banana Peel-Derived Dendrite-Shaped Au Nanomaterials with Dual Inhibition Toward Tumor Growth and Migration. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 2315-2322	7.3	5
19	Reclamation of Herb Residues Using Probiotics and Their Therapeutic Effect on Diarrhea. <i>Mediators of Inflammation</i> , <b>2017</b> , 2017, 4265898	4.3	4
18	Magnesium-alloy rods reinforced bioglass bone cement composite scaffolds with cortical bone-matching mechanical properties and excellent osteoconductivity for load-bearing bone in vivo regeneration. <i>Scientific Reports</i> , <b>2020</b> , 10, 18193	4.9	4
17	Dual-Effective Chronic Wounds Management System through a Monoglyceride Binary Blend Matrix Based Thermal-Responsive Phase-Transition Substrate. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001966	10.1	4
16	Deficiency of the novel high mobility group protein HMGXB4 protects against systemic inflammation-induced endotoxemia in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
15	Engineered Bacteria of MG1363-pMG36e-GLP-1 Attenuated Obesity-Induced by High Fat Diet in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 595575	5.9	4

14	An accurate and dual-effective body slimming method through a soluble microneedle patch with variable temperature. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 421-427	7.3	4
13	CD38 Deficiency Protects Mice from High Fat Diet-Induced Nonalcoholic Fatty Liver Disease through Activating NAD/Sirtuins Signaling Pathways-Mediated Inhibition of Lipid Accumulation and Oxidative Stress in Hepatocytes. <i>International Journal of Biological Sciences</i> , <b>2021</b> , 17, 4305-4315	11.2	3
12	Is an Evolutionarily Conserved Smooth Muscle Cell-Specific LncRNA That Maintains Contractile Phenotype by Binding Myocardin. <i>Circulation</i> , <b>2021</b> , 144, 1856-1875	16.7	3
11	Targeted Thrombolytic Therapy with Metal-Organic-Framework-Derived Carbon Based Platforms with Multimodal Capabilities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24453-24462	9.5	3
10	AIMP3 inhibits cell growth and metastasis of lung adenocarcinoma through activating a miR-96-5p-AIMP3-p53 axis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2021</b> , 25, 3019-3030	5.6	3
9	Microstructural Orientation and Precise Regeneration: A Proof-of-Concept Study on the Sugar-Cane-Derived Implants with Bone-Mimetic Hierarchical Structure. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 4331-4337	5.5	3
8	"Less Blue, More Clean": CuO nano-cubic functionalized hydrogel for the energy transformation of light-emitting screens.. <i>RSC Advances</i> , <b>2018</b> , 8, 5468-5472	3.7	2
7	The key regulation of miR-124-3p during reprogramming of primary mouse hepatocytes into insulin-producing cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 315-321	3.4	2
6	A New Glioblastoma Targeting Therapy Concept by Using Square Shaped Janus Drug Carrier Assisted with 3D Printed External Magnetic Wearables. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800384	3.1	2
5	Real-time manipulation of intestinal peristalsis by enteric-encapsulated magnetic nanoparticles & wearable 3D-printed devices. <i>NPG Asia Materials</i> , <b>2019</b> , 11,	10.3	1
4	Metal-Organic Framework and Hydrogel Based Strategy as a Universal First-Aid Treatment of Three Different Typical Snake Bites. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 6265-6273	5.5	1
3	Hair grows hair: Dual-effective hair regrowth through a hair enhanced dissolvable microneedle patch cooperated with the pure yellow light irradiation. <i>Applied Materials Today</i> , <b>2021</b> , 25, 101188	6.6	1
2	A carbonized wormwood modified photothermal microneedle patch for the repair of damaged skeletal muscles. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 8014-8020	7.3	1
1	Remediation of -Linked Macrothrombocytopenia With Ezetimibe Therapy. <i>Frontiers in Genetics</i> , <b>2021</b> , 12, 769699	4.5	0