

Hong-Bo Xin

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,409
citations

257101

24
h-index

223531

46
g-index

67
all docs

67
docs citations

67
times ranked

3068
citing authors

#	ARTICLE	IF	CITATIONS
1	Oestrogen protects FKBP12.6 null mice from cardiac hypertrophy. <i>Nature</i> , 2002, 416, 334-337.	13.7	271
2	Single Cell Isolation and Analysis. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 116.	1.8	257
3	Selective Binding of FKBP12.6 by the Cardiac Ryanodine Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 20385-20391.	1.6	225
4	Recent Advances in Nanozymes: From Matters to Bioapplications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	143
5	Inhibition of NAMPT aggravates high fat diet-induced hepatic steatosis in mice through regulating Sirt1/AMPK \pm /SREBP1 signaling pathway. <i>Lipids in Health and Disease</i> , 2017, 16, 82.	1.2	94
6	Fast-Acting Black-Phosphorus-Assisted Depression Therapy with Low Toxicity. <i>Advanced Materials</i> , 2020, 32, e1906050.	11.1	77
7	Three Amino Acid Residues Determine Selective Binding of FK506-binding Protein 12.6 to the Cardiac Ryanodine Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 15315-15319.	1.6	70
8	CD38 promotes angiotensin II-induced cardiac hypertrophy. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1492-1502.	1.6	65
9	Near-Infrared Triggered Release of uPA from Nanospheres for Localized Hyperthermia-Enhanced Thrombolysis. <i>Advanced Functional Materials</i> , 2017, 27, 1701824.	7.8	65
10	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> , 2019, 124, 1309-1322.	2.0	57
11	CD38 Deficiency Protects the Heart from Ischemia/Reperfusion Injury through Activating SIRT1/FOXOs-Mediated Antioxidative Stress Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-14.	1.9	56
12	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> , 2021, 12, 618150.	2.2	53
13	Asiatic Acid Attenuates Myocardial Ischemia/Reperfusion Injury via Akt/GSK-3 β /HIF-1 α Signaling in Rat H9c2 Cardiomyocytes. <i>Molecules</i> , 2016, 21, 1248.	1.7	52
14	<i>CARMN</i> Is an Evolutionarily Conserved Smooth Muscle Cell-Specific LncRNA That Maintains Contractile Phenotype by Binding Myocardin. <i>Circulation</i> , 2021, 144, 1856-1875.	1.6	50
15	Dissociation of FKBP12.6 from ryanodine receptor type 2 is regulated by cyclic ADP-ribose but not β -adrenergic stimulation in mouse cardiomyocytes. <i>Cardiovascular Research</i> , 2009, 84, 253-262.	1.8	44
16	In vitro and in vivo examination of anticolonization of pathogens by <i>Lactobacillus paracasei</i> FJ861111.1. <i>Journal of Dairy Science</i> , 2015, 98, 6759-6766.	1.4	41
17	CD38 deficiency suppresses adipogenesis and lipogenesis in adipose tissues through activating Sirt1/PPAR γ signaling pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 101-110.	1.6	41
18	CD38 Deficiency Alleviates D-Galactose-Induced Myocardial Cell Senescence Through NAD $^+$ /Sirt1 Signaling Pathway. <i>Frontiers in Physiology</i> , 2019, 10, 1125.	1.3	39

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19	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> , 2020, 109, 110402.	3.8	36
20	High-throughput sequencing analyses of oral microbial diversity in healthy people and patients with dental caries and periodontal disease. <i>Molecular Medicine Reports</i> , 2017, 16, 127-132.	1.1	33
21	Several biological benefits of the low color temperature light-emitting diodes based normal indoor lighting source. <i>Scientific Reports</i> , 2019, 9, 7560.	1.6	31
22	Zn or O? An Atomic Level Comparison on Antibacterial Activities of Zinc Oxides. <i>Chemistry - A European Journal</i> , 2016, 22, 8053-8058.	1.7	30
23	Transcription factor TEAD1 is essential for vascular development by promoting vascular smooth muscle differentiation. <i>Cell Death and Differentiation</i> , 2019, 26, 2790-2806.	5.0	30
24	Platelet-Mimic uPA Delivery Nanovectors Based on Au Rods for Thrombus Targeting and Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4219-4224.	2.6	26
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> , 2021, 6, 223.	7.1	26
26	Evaluation of the Antioxidative, Antibacterial, and Anti-Inflammatory Effects of the <i>Aloe</i> Fermentation Supernatant Containing <i>Lactobacillus plantarum</i> HM218749.1. <i>Mediators of Inflammation</i> , 2016, 2016, 1-8.	1.4	25
27	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> , 2010, 399, 167-172.	1.0	23
28	Full Spectrum Visible LED Light Activated Antibacterial System Realized by Optimized Cu ₂ O Crystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8386-8392.	4.0	22
29	Triptolide modulates tumour-colonisation and anti-tumour effect of attenuated <i>Salmonella</i> encoding DNase I. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 929-939.	1.7	22
30	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> , 2020, 10, 18193.	1.6	21
31	CDC42 is required for epicardial and pro-epicardial development by mediating FGF receptor trafficking to the plasma membrane. <i>Development (Cambridge)</i> , 2017, 144, 1635-1647.	1.2	20
32	Notch signaling regulates Hey2 expression in a spatiotemporal dependent manner during cardiac morphogenesis and trabecular specification. <i>Scientific Reports</i> , 2018, 8, 2678.	1.6	20
33	A champagne inspired dual chain-responsive thrombolytic drug release platform based on black phosphorus nanosheets for accelerated thrombolysis. <i>Nanoscale Horizons</i> , 2019, 4, 1277-1285.	4.1	19
34	Engineered Bacteria of MG1363-pMG36e-GLP-1 Attenuated Obesity-Induced by High Fat Diet in Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 595575.	1.8	19
35	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> , 2021, 17, 4305-4315.	2.6	19
36	CD38 Deficiency Promotes Inflammatory Response through Activating Sirt1/NF- κ B-Mediated Inhibition of TLR2 Expression in Macrophages. <i>Mediators of Inflammation</i> , 2018, 2018, 1-13.	1.4	18

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37	The "Pure Marriage" between 3D Printing and Well-Ordered Nanoarrays by Using PEALD Assisted Hydrothermal Surface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8393-8400.	4.0	17
38	AQR is a novel type 2 diabetes-associated gene that regulates signaling pathways critical for glucose metabolism. <i>Journal of Genetics and Genomics</i> , 2018, 45, 111-120.	1.7	15
39	Post-transcriptional gene regulation by RNA-binding proteins in vascular endothelial dysfunction. <i>Science China Life Sciences</i> , 2014, 57, 836-844.	2.3	14
40	FKBP12.6 protects heart from AngII-induced hypertrophy through inhibiting Ca ²⁺ /calmodulin-mediated signalling pathways in vivo and in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3638-3651.	1.6	13
41	BECN1 promotes the migration of NSCLC cells through regulating the ubiquitination of Vimentin. <i>Cell Adhesion and Migration</i> , 2019, 13, 248-258.	1.1	13
42	Disruption of CD38 gene enhances cardiac functions by elevating serum testosterone in the male null mice. <i>Life Sciences</i> , 2011, 89, 491-497.	2.0	12
43	Localized Light-Au-Hyperthermia Treatment for Precise, Rapid, and Drug-Free Blood Clot Lysis. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1951-1956.	4.0	12
44	Regulation of Blood Glucose Using Islets Encapsulated in a Melanin-Modified Immune-Shielding Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12877-12887.	4.0	12
45	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> , 2021, 25, 101188.	2.3	12
46	Evaluation of the accuracy and sensitivity of high-throughput sequencing technology using known microbiota. <i>Molecular Medicine Reports</i> , 2017, 17, 408-413.	1.1	11
47	Targeted Thrombolytic Therapy with Metal-Organic-Framework-Derived Carbon Based Platforms with Multimodal Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24453-24462.	4.0	11
48	3D printed self-driven thumb-sized motors for in-situ underwater pollutant remediation. <i>Scientific Reports</i> , 2017, 7, 41169.	1.6	10
49	Evaluation of the inhibitory effects of vaginal microorganisms on sperm motility in vitro. <i>Experimental and Therapeutic Medicine</i> , 2020, 19, 535-544.	0.8	10
50	Therapeutic effect of herb residue fermentation supernatant on spleen-deficient mice. <i>Molecular Medicine Reports</i> , 2018, 17, 2764-2770.	1.1	9
51	Surface nano-engineered wheat straw for portable and adjustable water purification. <i>Science of the Total Environment</i> , 2019, 655, 1028-1036.	3.9	9
52	A carbonized wormwood modified photothermal microneedle patch for the repair of damaged skeletal muscles. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8014-8020.	2.9	9
53	Dual-Effective Chronic Wounds Management System through a Monoglyceride Binary Blend Matrix Based Thermal-Responsive Phase-Transition Substrate. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001966.	3.9	9
54	AIMP3 inhibits cell growth and metastasis of lung adenocarcinoma through activating a miR-96a-5p-AIMP3-p53 axis. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3019-3030.	1.6	9

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55	Transgenic Analysis of the Role of FKBP12.6 in Cardiac Function and Intracellular Calcium Release. <i>Assay and Drug Development Technologies</i> , 2011, 9, 620-627.	0.6	8
56	<p>Banana Peel-Derived Dendrite-Shaped Au Nanomaterials with Dual Inhibition Toward Tumor Growth and Migration</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 2315-2322.	3.3	8
57	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> , 2018, 4, 4331-4337.	2.6	7
58	An accurate and dual-effective body slimming method through a soluble microneedle patch with variable temperature. <i>Journal of Materials Chemistry B</i> , 2021, 9, 421-427.	2.9	7
59	Reclamation of Herb Residues Using Probiotics and Their Therapeutic Effect on Diarrhea. <i>Mediators of Inflammation</i> , 2017, 2017, 1-8.	1.4	6
60	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> , 2021, 118, .	3.3	6
61	Air Flow Assisted One Step Synthesis of Porous Carbon with Selected Area Enriched Ag/ZnO Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5651-5656.	3.2	5
62	The key regulation of miR-124–3p during reprogramming of primary mouse hepatocytes into insulin-producing cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 315-321.	1.0	4
63	“Less Blue, More Clean“ Cu ₂ O nano-cubic functionalized hydrogel for the energy transformation of light-emitting screens. <i>RSC Advances</i> , 2018, 8, 5468-5472.	1.7	3
64	Real-time manipulation of intestinal peristalsis by enteric-encapsulated magnetic nanoparticles ɪmp; wearable 3D-printed devices. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	3
65	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> , 2019, 5, 6265-6273.	2.6	2
66	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> , 2019, 36, 1800384.	1.2	2
67	Remediation of ABCG5-Linked Macrothrombocytopenia With Ezetimibe Therapy. <i>Frontiers in Genetics</i> , 2021, 12, 769699.	1.1	1