

# Hongrong Luo

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

3,320  
citations

279798

23  
h-index

254184

43  
g-index

44  
all docs

44  
docs citations

44  
times ranked

8173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aldehyde-methacrylate-hyaluronan profited hydrogel system integrating aligned and viscoelastic cues for neurogenesis. <i>Carbohydrate Polymers</i> , 2022, 278, 118961.	10.2	9
2	Biomimetic mineralized microenvironment stiffness regulated BMSCs osteogenic differentiation through cytoskeleton mediated mechanical signaling transduction. <i>Materials Science and Engineering C</i> , 2021, 119, 111613.	7.3	20
3	Engineering Biofunctional Enzyme Mimics for Catalytic Therapeutics and Diagnostics. <i>Advanced Functional Materials</i> , 2021, 31, 2007475.	14.9	47
4	Nanocarriers, Progenitor Cells, Combinational Approaches, and New Insights on the Retinal Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1776.	4.1	3
5	Electrospun PVP/PVA Nanofiber Mat as a Novel Potential Transdermal Drug-Delivery System for Buprenorphine: A Solution Needed for Pain Management. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2779.	2.5	36
6	Heparin-Tagged PLA-PEG Copolymer-Encapsulated Biochanin A-Loaded (Mg/Al) LDH Nanoparticles Recommended for Non-Thrombogenic and Anti-Proliferative Stent Coating. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5433.	4.1	8
7	Advanced Hydrogels as Exosome Delivery Systems for Osteogenic Differentiation of MSCs: Application in Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6203.	4.1	43
8	An Overview on Atomization and Its Drug Delivery and Biomedical Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5173.	2.5	8
9	pHEMA: An Overview for Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6376.	4.1	67
10	Harvesting of Antimicrobial Peptides from Insect ( <i>Hermetia illucens</i> ) and Its Applications in the Food Packaging. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6991.	2.5	14
11	Multifunctional and Self-Healable Intelligent Hydrogels for Cancer Drug Delivery and Promoting Tissue Regeneration In Vivo. <i>Polymers</i> , 2021, 13, 2680.	4.5	15
12	Antimicrobial Peptides and Their Applications in Biomedical Sector. <i>Antibiotics</i> , 2021, 10, 1094.	3.7	17
13	Antioxidative and Conductive Nanoparticles-Embedded Cell Niche for Neural Differentiation and Spinal Cord Injury Repair. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52346-52361.	8.0	35
14	Surface Engineering Strategies to Enhance the In Situ Performance of Medical Devices Including Atomic Scale Engineering. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11788.	4.1	12
15	Collagen Nanoparticles in Drug Delivery Systems and Tissue Engineering. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11369.	2.5	31
16	Magnetic Iron Oxide Nanoparticle (IONP) Synthesis to Applications: Present and Future. <i>Materials</i> , 2020, 13, 4644.	2.9	154
17	Spiky nanostructures for virus inhibition and infection prevention. <i>Smart Materials in Medicine</i> , 2020, 1, 48-53.	6.7	11
18	Tunable Fast Relaxation in Imine-Based Nanofibrillar Hydrogels Stimulates Cell Response through TRPV4 Activation. <i>Biomacromolecules</i> , 2020, 21, 3745-3755.	5.4	20

#	ARTICLE	IF	CITATIONS
19	Metal-Organic Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , 2020, 32, e20030651.0		183
20	Spatiotemporal regulation of dynamic cell microenvironment signals based on an azobenzene photoswitch. <i>Journal of Materials Chemistry B</i> , 2020, 8, 9212-9226.	5.8	8
21	Graphene-based advanced nanoplatforms and biocomposites from environmentally friendly and biomimetic approaches. <i>Green Chemistry</i> , 2019, 21, 4887-4918.	9.0	37
22	Cell-Laden Electroconductive Hydrogel Simulating Nerve Matrix To Deliver Electrical Cues and Promote Neurogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22152-22163.	8.0	89
23	Graphene nanomaterials for regulating stem cell fate in neurogenesis and their biocompatibility. <i>Current Opinion in Biomedical Engineering</i> , 2019, 10, 69-78.	3.4	12
24	Biomaterialized Hydrogel with Enhanced Toughness by Chemical Bonding of Alkaline Phosphatase and Vinylphosphonic Acid in Collagen Framework. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1405-1415.	5.2	28
25	The Application of Nanoparticle-Based Drug Delivery Systems in Checkpoint Blockade Cancer Immunotherapy. <i>Journal of Immunology Research</i> , 2018, 2018, 1-13.	2.2	17
26	Antitumor Effect by Hydroxyapatite Nanospheres: Activation of Mitochondria-Dependent Apoptosis and Negative Regulation of Phosphatidylinositol-3-Kinase/Protein Kinase B Pathway. <i>ACS Nano</i> , 2018, 12, 7838-7854.	14.6	79
27	In vivo immunological properties research on mesenchymal stem cells based engineering cartilage by a dialyzer pocket model. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 150.	3.6	4
28	A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants. <i>Nature Genetics</i> , 2016, 48, 134-143.	21.4	1,167
29	Next-Generation Sequencing and Novel Variant Determination in a Cohort of 92 Familial Exudative Vitreoretinopathy Patients. , 2015, 56, 1937.		84
30	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. <i>Molecular Cell</i> , 2015, 59, 931-940.	9.7	66
31	Whole-Exome Sequencing for the Identification of Susceptibility Genes of Kashin-Beck Disease. <i>PLoS ONE</i> , 2014, 9, e92298.	2.5	14
32	Human Retinal Progenitor Cell Transplantation Preserves Vision. <i>Journal of Biological Chemistry</i> , 2014, 289, 6362-6371.	3.4	101
33	Next generation sequencing-based molecular diagnosis of retinitis pigmentosa: identification of a novel genotype-phenotype correlation and clinical refinements. <i>Human Genetics</i> , 2014, 133, 331-345.	3.8	204
34	Noninvasive prenatal diagnosis of common aneuploidies by semiconductor sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7415-7420.	7.1	110
35	RAD51 gene is associated with advanced age-related macular degeneration in Chinese population. <i>Clinical Biochemistry</i> , 2013, 46, 1689-1693.	1.9	8
36	Identification of a rare coding variant in complement 3 associated with age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 1375-1379.	21.4	158

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37	TCF7L2 Variation and Proliferative Diabetic Retinopathy. <i>Diabetes</i> , 2013, 62, 2613-2617.	0.6	38
38	A rare nonsynonymous sequence variant in C3 is associated with high risk of age-related macular degeneration. <i>Nature Genetics</i> , 2013, 45, 1371-1374.	21.4	125
39	Leber hereditary optic neuropathy and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19882-19883.	7.1	14
40	Advanced paternal age increases the risk of schizophrenia and obsessive-compulsive disorder in a Chinese Han population. <i>Psychiatry Research</i> , 2012, 198, 353-359.	3.3	44
41	Hair Cortisol Level as a Biomarker for Altered Hypothalamic-Pituitary-Adrenal Activity in Female Adolescents with Posttraumatic Stress Disorder After the 2008 Wenchuan Earthquake. <i>Biological Psychiatry</i> , 2012, 72, 65-69.	1.3	132
42	Bottom-up approach to build osteon-like structure by cell-laden photocrosslinkable hydrogel. <i>Chemical Communications</i> , 2012, 48, 3170.	4.1	26
43	The effect of stress and tissue fluid microenvironment on allogeneic chondrocytes <i>in vivo</i> and the immunological properties of engineered cartilage. <i>Biomaterials</i> , 2011, 32, 6017-6024.	11.4	16
44	Interaction among genes influencing ethanol metabolism and sex is association with alcohol use disorders in a Tibet population. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 561-569.	1.7	6