

Zhong-Kai Cui

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,852
citations

257357

24
h-index

276775

41
g-index

62
all docs

62
docs citations

62
times ranked

2710
citing authors

#	ARTICLE	IF	CITATIONS
1	The ER α /KDM6B regulatory axis modulates osteogenic differentiation in human mesenchymal stem cells. <i>Bone Research</i> , 2022, 10, 3.	5.4	12
2	Construction of a flexible 1D core-shell Al ₂ O ₃ @NaNbO ₃ nanowire/poly(<i>p</i> -phenylene benzobisoxazole) nanocomposite with stable and enhanced dielectric properties in an ultra-wide temperature range. <i>Journal of Materials Chemistry C</i> , 2022, 10, 716-725.	2.7	16
3	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria. <i>Small</i> , 2022, 18, e2107374.	5.2	6
4	hUC-MSC-mediated recovery of subacute spinal cord injury through enhancing the pivotal subunits β 3 and β 2 of the GABA _A receptor. <i>Theranostics</i> , 2022, 12, 3057-3078.	4.6	17
5	Upper Critical Solution Temperature Polyvalent Scaffolds Aggregate and Exterminate Bacteria (Small) Tj ETQq1 1 0,784314 rgBT /Ovel	5.2	6
6	Local delivery of a CXCR3 antagonist decreases the progression of bone resorption induced by LPS injection in a murine model. <i>Clinical Oral Investigations</i> , 2022, 26, 5163-5169.	1.4	1
7	Self-assembly magnetized 3D hierarchical graphite carbon-based heterogeneous yolk-shell nanoboxes with enhanced microwave absorption. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11405-11413.	5.2	28
8	Epigenetic Regulation of NGF-Mediated Osteogenic Differentiation in Human Dental Mesenchymal Stem Cells. <i>Stem Cells</i> , 2022, 40, 818-830.	1.4	6
9	Synergistic effect of the anti-PD-1 antibody with blood stable and reduction sensitive curcumin micelles on colon cancer. <i>Drug Delivery</i> , 2021, 28, 930-942.	2.5	6
10	A novel poly(<i>p</i> -phenylene benzobisoxazole) (PBO)-based three-phase silk-cocoon network structure nanocomposites with enhanced dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7574-7586.	1.1	6
11	Fabrication of Non-phospholipid Liposomal Nanocarrier for Sustained-Release of the Fungicide Cymoxanil. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 627817.	1.6	3
12	Microwave absorption of carbonization temperature-dependent uniform yolk-shell H-Fe ₃ O ₄ @C microspheres. <i>Chemical Engineering Journal</i> , 2021, 420, 129875.	6.6	70
13	Damaged brain accelerates bone healing by releasing small extracellular vesicles that target osteoprogenitors. <i>Nature Communications</i> , 2021, 12, 6043.	5.8	44
14	Paracrine Effects of Recombinant Human Adiponectin Promote Bone Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 762335.	1.8	4
15	ETS2 promotes epithelial-to-mesenchymal transition in renal fibrosis by targeting JUNB transcription. <i>Laboratory Investigation</i> , 2020, 100, 438-453.	1.7	12
16	One-pot quaternization of dual-responsive poly(vinyl alcohol) with AIEgens for pH-switchable imaging and killing of bacteria. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2635-2645.	3.2	10
17	Design and development of HMS@ZIF-8/fluorinated polybenzoxazole composite films with excellent low- <i>k</i> performance, mechanical properties and thermal stability. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7476-7484.	2.7	27
18	Drug-interactive mPEG- <i>b</i> -PLA-Phe(Boc) micelles enhance the tolerance and anti-tumor efficacy of docetaxel. <i>Drug Delivery</i> , 2020, 27, 238-247.	2.5	19

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19	Microporous methacrylated glycol chitosan-montmorillonite nanocomposite hydrogel for bone tissue engineering. <i>Nature Communications</i> , 2019, 10, 3523.	5.8	273
20	Wnt1 inhibits vascular smooth muscle cell calcification by promoting ANKH expression. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 10-21.	0.9	18
21	Osteocyte TSC1 promotes sclerostin secretion to restrain osteogenesis in mice. <i>Open Biology</i> , 2019, 9, 180262.	1.5	15
22	Activation of mTORC1 in subchondral bone preosteoblasts promotes osteoarthritis by stimulating bone sclerosis and secretion of CXCL12. <i>Bone Research</i> , 2019, 7, 5.	5.4	63
23	N-(3-methoxybenzyl)-9Z,12Z,15Z-octadecatrienamide promotes bone formation via the canonical Wnt/ β -catenin signaling pathway. <i>Phytotherapy Research</i> , 2019, 33, 1074-1083.	2.8	9
24	β 2AR-HIF-1 α -CXCL12 signaling of osteoblasts activated by isoproterenol promotes migration and invasion of prostate cancer cells. <i>BMC Cancer</i> , 2019, 19, 1142.	1.1	20
25	Exosome Release Is Regulated by mTORC1. <i>Advanced Science</i> , 2019, 6, 1801313.	5.6	90
26	Reduced polyaniline decorated reduced graphene oxide/polyimide nanocomposite films with enhanced dielectric properties and thermostability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 109, 578-584.	3.8	41
27	Design of hydrogels to stabilize and enhance bone morphogenetic protein activity by heparin mimetics. <i>Acta Biomaterialia</i> , 2018, 72, 45-54.	4.1	43
28	Chitosan-Lysozyme Conjugates for Enzyme-Triggered Hydrogel Degradation in Tissue Engineering Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41138-41145.	4.0	82
29	Formation of unique three-dimensional interpenetrating network structure with a ternary composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 18699-18707.	1.1	6
30	Enhanced dielectric performance of PDMS-based three-phase percolative nanocomposite films incorporating a high dielectric constant ceramic and conductive multi-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10829-10837.	2.7	59
31	TSC1 deletion in fibroblasts alleviates lipopolysaccharide-induced acute kidney injury. <i>Clinical Science</i> , 2018, 132, 2087-2101.	1.8	4
32	Bone and plasma citrate is reduced in osteoporosis. <i>Bone</i> , 2018, 114, 189-197.	1.4	41
33	Modification of Nano Tourmaline Surface Treatment Agent and Its Performance on Negative Ion Release. <i>Computers, Materials and Continua</i> , 2018, 57, 145-150.	1.5	2
34	Simultaneous delivery of hydrophobic small molecules and siRNA using Sterosomes to direct mesenchymal stem cell differentiation for bone repair. <i>Acta Biomaterialia</i> , 2017, 58, 214-224.	4.1	48
35	Core/shell-structured hyperbranched aromatic polyamide functionalized graphene nanosheets-poly(p-phenylene benzobisoxazole) nanocomposite films with improved dielectric properties and thermostability. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8705-8713.	5.2	59
36	Graphene/MWNT/Poly(p-phenylenebenzobisoxazole) Multiphase Nanocomposite via Solution Prepolymerization with Superior Microwave Absorption Properties and Thermal Stability. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1072-1081.	1.5	37

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37	Small molecule-mediated tribbles homolog 3 promotes bone formation induced by bone morphogenetic protein-2. <i>Scientific Reports</i> , 2017, 7, 7518.	1.6	16
38	Design and Characterization of a Therapeutic Non-phospholipid Liposomal Nanocarrier with Osteoinductive Characteristics To Promote Bone Formation. <i>ACS Nano</i> , 2017, 11, 8055-8063.	7.3	42
39	Enhanced Mandibular Bone Repair by Combined Treatment of Bone Morphogenetic Protein 2 and Small-Molecule Phenamil. <i>Tissue Engineering - Part A</i> , 2017, 23, 195-207.	1.6	23
40	Photocrosslinkable chitosan hydrogels functionalized with the RGD peptide and phosphoserine to enhance osteogenesis. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5289-5298.	2.9	69
41	NH ₂ -functionalized carbon-coated Fe ₃ O ₄ core-shell nanoparticles for in situ preparation of robust polyimide composite films with high dielectric constant, low dielectric loss, and high breakdown strength. <i>RSC Advances</i> , 2016, 6, 107533-107541.	1.7	17
42	Preparation of MWNT-g-poly(2,5-benzoxazole) (ABPBO) with excellent electromagnetic absorption properties in the Ku band via atom transfer radical polymerization (ATRP). <i>Journal of Materials Science</i> , 2016, 51, 7370-7382.	1.7	4
43	Synthesis, structure, and properties of high-impact polystyrene/octavinyl polyhedral oligomeric silsesquioxane nanocomposites. <i>Polymer Composites</i> , 2016, 37, 1049-1055.	2.3	17
44	Enhanced Osteogenesis of Adipose-Derived Stem Cells by Regulating Bone Morphogenetic Protein Signaling Antagonists and Agonists. <i>Stem Cells Translational Medicine</i> , 2016, 5, 539-551.	1.6	39
45	Delivery of Phenamil Enhances BMP-2-Induced Osteogenic Differentiation of Adipose-Derived Stem Cells and Bone Formation in Calvarial Defects. <i>Tissue Engineering - Part A</i> , 2015, 21, 2053-2065.	1.6	49
46	Glutamine-chitosan modified calcium phosphate nanoparticles for efficient siRNA delivery and osteogenic differentiation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6448-6455.	2.9	49
47	Preparation and characterization of STRG/PI composite films with optimized dielectric and mechanical properties. <i>Polymer</i> , 2015, 65, 262-269.	1.8	15
48	Preparation and properties of thermostable well-functionalized graphene oxide/polyimide composite films with high dielectric constant, low dielectric loss and high strength via in situ polymerization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10005-10012.	5.2	105
49	Delivery of siRNA via cationic Sterosomes to enhance osteogenic differentiation of mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2015, 217, 42-52.	4.8	63
50	Lamellar self-assemblies of single-chain amphiphiles and sterols and their derived liposomes: Distinct compositions and distinct properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 177-185.	2.5	17
51	Formation, stability, and pH sensitivity of free-floating, giant unilamellar vesicles using palmitic acid-cholesterol mixtures. <i>Soft Matter</i> , 2014, 10, 6451.	1.2	3
52	Nonphospholipid Fluid Liposomes with Switchable Photocontrolled Release. <i>Langmuir</i> , 2014, 30, 10818-10825.	1.6	40
53	Impact of interfacial cholesterol-anchored polyethylene glycol on sterol-rich non-phospholipid liposomes. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 111-120.	5.0	7
54	Non-phospholipid liposomes with high sterol content display a very limited permeability. <i>Science China Chemistry</i> , 2013, 56, 40-47.	4.2	6

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55	Interactions between non-phospholipid liposomes containing cetylpyridinium chloride and biofilms of <i>Streptococcus mutans</i> : modulation of the adhesion and of the biodistribution. <i>Biofouling</i> , 2013, 29, 817-827.	0.8	13
56	Formation of pH-Sensitive Cationic Liposomes from a Binary Mixture of Monoalkylated Primary Amine and Cholesterol. <i>Langmuir</i> , 2012, 28, 13668-13674.	1.6	25
57	Formation of Fluid Lamellar Phase and Large Unilamellar Vesicles with Octadecyl Methyl Sulfoxide/Cholesterol Mixtures. <i>Langmuir</i> , 2010, 26, 12733-12739.	1.6	9
58	Influence of the nature of the sterol on the behavior of palmitic acid/sterol mixtures and their derived liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1144-1152.	1.4	23