

Zheng Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,513
citations

304743

22
h-index

377865

34
g-index

67
all docs

67
docs citations

67
times ranked

2053
citing authors

#	ARTICLE	IF	CITATIONS
1	Roles of circular RNAs in immune regulation and autoimmune diseases. <i>Cell Death and Disease</i> , 2019, 10, 503.	6.3	132
2	Glycemic variability: adverse clinical outcomes and how to improve it?. <i>Cardiovascular Diabetology</i> , 2020, 19, 102.	6.8	112
3	Gut Microbiota: An Important Player in Type 2 Diabetes Mellitus. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 834485.	3.9	76
4	Improved adhesion, heat resistance, anticorrosion properties of epoxy resins/POSS/methyl phenyl silicone coatings. <i>Progress in Organic Coatings</i> , 2019, 135, 454-464.	3.9	61
5	Chicory ameliorates hyperuricemia via modulating gut microbiota and alleviating LPS/TLR4 axis in quail. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110719.	5.6	60
6	A high water-content and high elastic dual-responsive polyurethane hydrogel for drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8401-8409.	5.8	54
7	Phytochemistry and Pharmacological Activities of <i>Wolfiporia cocos</i> (F.A. Wolf) Ryvarden & Gilb. <i>Frontiers in Pharmacology</i> , 2020, 11, 505249.	3.5	53
8	Controlled Dielectric Properties of Polymer Composites from Coating Multiwalled Carbon Nanotubes with Octa-acrylate Silsesquioxane through Diels-Alder Cycloaddition and Atom Transfer Radical Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 6699-6707.	3.7	50
9	Hierarchical Assembly of Amphiphilic POSS-Cyclodextrin Molecules and Azobenzene End-Capped Polymers. <i>Macromolecules</i> , 2014, 47, 5739-5748.	4.8	49
10	Highly porous 3D PLLA materials composed of nanosheets, fibrous nanosheets, or nanofibrous networks: Preparation and the potential application in oil-water separation. <i>Chemical Engineering Journal</i> , 2016, 302, 1-11.	12.7	42
11	Roles of Aminoacyl-tRNA Synthetases in Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 599765.	3.7	42
12	Regulated Dielectric Loss of Polymer Composites from Coating Carbon Nanotubes with a Cross-Linked Silsesquioxane Shell through Free-Radical Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18635-18643.	8.0	37
13	DNA methylation landscapes in the pathogenesis of type 2 diabetes mellitus. <i>Nutrition and Metabolism</i> , 2018, 15, 47.	3.0	33
14	Hesperidin ameliorates bleomycin-induced experimental pulmonary fibrosis via inhibition of TGF-beta1/Smad3/AMPK and I-kappaB/alpha/NF-kappaB pathways. <i>EXCLI Journal</i> , 2019, 18, 723-745.	0.7	32
15	Dielectric properties of poly(vinylidene fluoride) composites based on Bucky gels of carbon nanotubes with ionic liquids. <i>Polymer Composites</i> , 2015, 36, 94-101.	4.6	31
16	Isorhynchophylline exerts anti-inflammatory and anti-oxidative activities in LPS-stimulated murine alveolar macrophages. <i>Life Sciences</i> , 2019, 223, 137-145.	4.3	30
17	Roles of aminoacyl-tRNA synthetase-interacting multi-functional proteins in physiology and cancer. <i>Cell Death and Disease</i> , 2020, 11, 579.	6.3	30
18	High dielectric constant composites controlled by a strontium titanate barrier layer on carbon nanotubes towards embedded passive devices. <i>Chemical Engineering Journal</i> , 2019, 373, 642-650.	12.7	27

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19	Improve the dielectric property and breakdown strength of composites by cladding a polymer/BaTiO ₃ composite layer around carbon nanotubes. <i>Polymer</i> , 2020, 188, 122157.	3.8	27
20	Modification of PEG-b-PCL block copolymer with high melting temperature by the enhancement of POSS crystal and ordered phase structure. <i>RSC Advances</i> , 2015, 5, 33356-33363.	3.6	26
21	A convenient process to fabricate gelatin modified porous PLLA materials with high hydrophilicity and strength. <i>Biomaterials Science</i> , 2016, 4, 310-318.	5.4	26
22	Luteolin alleviates myocardial ischemia reperfusion injury in rats via Sirt1/NLRP3/NF- κ B pathway. <i>International Immunopharmacology</i> , 2020, 85, 106680.	3.8	26
23	Facile Fabrication of Flexible, Robust, and Superhydrophobic Hybrid Aerogel. <i>Langmuir</i> , 2019, 35, 8692-8698.	3.5	22
24	Preparation of superhydrophobic and flexible polysiloxane aerogel. <i>Ceramics International</i> , 2020, 46, 10362-10369.	4.8	22
25	The tRNA-associated dysregulation in diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2019, 94, 9-17.	3.4	20
26	The Mechanisms and Animal Models of SARS-CoV-2 Infection. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 578825.	3.7	20
27	Multiple influences of hydrogen bonding interactions on PLLA crystallization behaviors in PLLA/TSOS hybrid blending systems. <i>Polymer</i> , 2019, 175, 152-160.	3.8	19
28	Synthesis and self-assembly behavior of thermoresponsive poly(oligo(ethylene glycol) methyl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2014, 292, 2993-3001.	2.1	18
29	Gradual Precipitation to Fabricate PLLA Materials with High Porosity and Tunable Strength Formed by High Crystalline Nanosheets. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 274-278.	3.6	18
30	A low-shrinkage dental composite with epoxy-polyhedral oligomeric silsesquioxane. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 103, 103515.	3.1	18
31	Coaxial double-layer-coated multiwalled carbon nanotubes toward microwave absorption. <i>Materials Letters</i> , 2018, 233, 203-206.	2.6	17
32	Roles of tRNA metabolism in aging and lifespan. <i>Cell Death and Disease</i> , 2021, 12, 548.	6.3	17
33	Synthesis and Self-Assembly of <i>p</i> -Nitrobenzyl-Based Amphiphilic Hybrid Polymer with Light and pH Dual Response. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1192-1200.	2.2	15
34	Preparation of novel UV-cured methacrylate hybrid materials with high thermal stability via thiol-ene photopolymerization. <i>Journal of Materials Science</i> , 2019, 54, 5877-5897.	3.7	13
35	High specific surface area hybrid silica aerogel containing POSS. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110456.	4.4	13
36	Restoration of BRG1 inhibits proliferation and metastasis of lung cancer by regulating tumor suppressor miR-148b. <i>Oncotargets and Therapy</i> , 2015, 8, 3603.	2.0	12

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37	Facile strategy for preparation of core-shell-structured carbon nanotube-ionic liquid hybrids. <i>Materials Letters</i> , 2016, 166, 133-136.	2.6	12
38	Side chain engineering: The effect on the properties of isoindigo-based conjugated polymers contain different length and structure alkyl chains on nitrogen atom. <i>Organic Electronics</i> , 2017, 49, 278-285.	2.6	12
39	A green pathway to adjust the mechanical properties and degradation rate of PCL by blending bio-sourced poly(glycerol-succinate) oligoesters. <i>Materials Chemistry Frontiers</i> , 2018, 2, 544-553.	5.9	12
40	The tRNA-associated dysregulation in immune responses and immune diseases. <i>Acta Physiologica</i> , 2020, 228, e13391.	3.8	12
41	Preparation of high- ϵ_k composites with low dielectric loss based on the double-layer coaxial structure of inorganic/polymer. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46299.	2.6	11
42	Effect of ionic liquid-containing poly(μ -caprolactone) on the dispersion and dielectric properties of polymer/carbon nanotube composites. <i>RSC Advances</i> , 2016, 6, 31351-31358.	3.6	10
43	In situ synthesis of core-shell ZIF-8@modified sepiolite hybrids for multi-scale construction of epoxy composites with improved low-dielectric properties and thermal stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6866-6874.	2.2	10
44	Preparation and characterization of cross-linked PCL porous membranes. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	9
45	Synthesis, characterization, and properties of novel UV-resistant poly(urethane-imide)/POSS nanocomposite. <i>High Performance Polymers</i> , 2018, 30, 1210-1218.	1.8	9
46	An update of genetics, comorbidities and management of hyperuricaemia. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2021, 48, 1305-1316.	1.9	9
47	Functional analysis of UMOD gene and its effect on inflammatory cytokines in serum of essential hypertension patients. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 11356-63.	0.5	9
48	Enhancing aerogel mechanical properties with incorporation of POSS. <i>Ceramics International</i> , 2019, 45, 14586-14593.	4.8	8
49	A pH controlled temperature response reprogramming hydrogel for monitoring human electrophysiological signals. <i>Journal of Materials Chemistry B</i> , 2021, 9, 992-1001.	5.8	8
50	Stimuli-induced multiple dissociation and micellization transitions of random copolymers. <i>RSC Advances</i> , 2015, 5, 65847-65855.	3.6	7
51	Composite material with high dielectric constant and low dielectric loss obtained through grafting of cyano groups in imidazolium ionic liquids. <i>Chemical Physics Letters</i> , 2018, 711, 173-177.	2.6	7
52	Hybridization of polyhedral oligomeric silsesquioxane and boron nitride for epoxy composites with improved dielectric, thermal and tensile properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10360-10368.	2.2	7
53	System optimisation quantitative model of online NIR: a case of <i>Glycyrrhiza uralensis</i> Fisch extraction process. <i>Phytochemical Analysis</i> , 2021, 32, 165-171.	2.4	7
54	Metal-organic frameworks filled epoxy composites: exploring new chances for low- ϵ_r polymer dielectrics. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 184-194.	1.3	6

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55	tRNA Metabolism and Lung Cancer: Beyond Translation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 659388.	3.5	6
56	Uniformly deposited Pt nanoparticles onto crosslinked ionic liquids wrapped carbon nanotubes for methanol electrooxidation. <i>RSC Advances</i> , 2016, 6, 82726-82732.	3.6	5
57	Establishment of preliminary regulatory network of TRPV1 and related cytokines. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 582-588.	3.8	5
58	Regulating the dielectric property of percolative composites via a core-shell-structured ionic liquid/carbon nanotube hybrid. <i>Journal of Materials Science</i> , 2019, 54, 7096-7109.	3.7	5
59	Preclinical Studies of Natural Products Targeting the Gut Microbiota: Beneficial Effects on Diabetes. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8569-8581.	5.2	5
60	PDMS-based composites with stable dielectric properties at varied frequency via Sr-doped CaCu ₃ Ti ₄ O ₁₂ nanowires for flexible wideband antenna substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 430-441.	2.2	4
61	Facile preparation of graphene oxide for low- $\hat{\epsilon}$ epoxy nanocomposites with improved thermal stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 310-316.	2.2	3
62	Synthesis and properties of thermoplastic and dissolvable polysiloxanes containing polyhedral oligomeric silsesquioxane. <i>Journal of Polymer Science</i> , 2020, 58, 3183-3195.	3.8	3
63	Synthesis of organic montmorillonite contained polyhedral oligomeric silsesquioxane and its nanocomposites with poly(ϵ -lactide). <i>Polymer Engineering and Science</i> , 2014, 54, 2489-2496.	3.1	1
64	Dielectric, thermal, and mechanical properties of the OAPOSS@GO hybrids enhanced low- $\hat{\epsilon}$ epoxy composites. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 419-429.	1.3	1
65	Preparation of Chloride Salt of Octa (Aminopropylsilsesquioxane) Filled Low- $\hat{\epsilon}$ Epoxy Composites with Improved Thermal Stability and Low Water Absorption. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 37-46.	1.3	0