

Qiang He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9550312/publications.pdf>

Version: 2024-02-01

98
papers

2,613
citations

236925

25
h-index

223800

46
g-index

98
all docs

98
docs citations

98
times ranked

2933
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute kidney injury in China: a cross-sectional survey. <i>Lancet, The</i> , 2015, 386, 1465-1471.	13.7	319
2	Locating bulk metallic glasses with high fracture toughness: Chemical effects and composition optimization. <i>Acta Materialia</i> , 2011, 59, 202-215.	7.9	155
3	Linkages of <i>Firmicutes</i> and <i>Bacteroidetes</i> populations to methanogenic process performance. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 771-781.	3.0	140
4	Metal-organic frameworks self-templated cubic hollow Co/N/C@MnO ₂ composites for electromagnetic wave absorption. <i>Carbon</i> , 2020, 156, 378-388.	10.3	111
5	Crack-resistance curve of a Zr-Ti-Cu-Al bulk metallic glass with extraordinary fracture toughness. <i>Acta Materialia</i> , 2012, 60, 4940-4949.	7.9	92
6	Self-Assembled 3D Flower-like Composites of Heterobimetallic Phosphides and Carbon for Temperature-Tailored Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38361-38371.	8.0	90
7	Robustness of archaeal populations in anaerobic co-digestion of dairy and poultry wastes. <i>Bioresource Technology</i> , 2011, 102, 779-785.	9.6	57
8	Genome-wide resequencing of KRICE_CORE reveals their potential for future breeding, as well as functional and evolutionary studies in the post-genomic era. <i>BMC Genomics</i> , 2016, 17, 408.	2.8	54
9	A Review on Fabrication Methods and Research Progress of Superhydrophobic Silicone Rubber Materials. <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	54
10	Population genomics identifies the origin and signatures of selection of Korean weedy rice. <i>Plant Biotechnology Journal</i> , 2017, 15, 357-366.	8.3	51
11	Zr ₆₁ Ti ₂ Cu ₂₅ Al ₁₂ metallic glass for potential use in dental implants: Biocompatibility assessment by in vitro cellular responses. <i>Materials Science and Engineering C</i> , 2013, 33, 2113-2121.	7.3	49
12	Unexpected competitiveness of <i>Methanosaeta</i> populations at elevated acetate concentrations in methanogenic treatment of animal wastewater. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 1729-1738.	3.6	49
13	The implementation of a pulmonary embolism response team in the management of intermediate- or high-risk pulmonary embolism. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2019, 7, 493-500.	1.6	46
14	Locating Malleable Bulk Metallic Glasses in Zr-Ti-Cu-Al Alloys with Calorimetric Glass Transition Temperature as an Indicator. <i>Journal of Materials Science and Technology</i> , 2012, 28, 1109-1122.	10.7	45
15	Genome-wide association study of the resistant starch content in rice grains. <i>Starch/Staerke</i> , 2017, 69, 1600343.	2.1	45
16	Fatigue endurance limit and crack growth behavior of a high-toughness Zr ₆₁ Ti ₂ Cu ₂₅ Al ₁₂ bulk metallic glass. <i>Acta Materialia</i> , 2015, 99, 165-175.	7.9	44
17	A fluorine-free superhydrophobic silicone rubber surface has excellent self-cleaning and bouncing properties. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 175-183.	9.4	41
18	Tribological properties of nanometer cerium oxide as additives in lithium grease. <i>Journal of Rare Earths</i> , 2018, 36, 209-214.	4.8	38

#	ARTICLE	IF	CITATIONS
19	A superhydrophobic surface with aging resistance, excellent mechanical restorability and droplet bounce properties. <i>Soft Matter</i> , 2020, 16, 5514-5524.	2.7	34
20	Resequencing Reveals Different Domestication Rate for BADH1 and BADH2 in Rice (<i>Oryza sativa</i>). <i>PLoS ONE</i> , 2015, 10, e0134801.	2.5	33
21	Responses of Soil Bacteria to Long-Term and Short-Term Cadmium Stress as Revealed by Microbial Community Analysis. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 367-372.	2.7	32
22	Discovery of a novel fragrant allele and development of functional markers for fragrance in rice. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	30
23	Genome-wide association study of eating and cooking qualities in different subpopulations of rice (<i>Oryza sativa</i> L.). <i>BMC Genomics</i> , 2016, 17, 663.	2.8	30
24	Experimental study on polishing performance of CeO ₂ and nano-SiO ₂ mixed abrasive. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 163-171.	3.1	30
25	Giant power output in lead-free ferroelectrics by shock-induced phase transition. <i>Physical Review Materials</i> , 2019, 3, .	2.4	29
26	The effects on the structures and properties in the oxide-ion conductor La ₂ Mo ₂ O ₉ by partial substituting Ba for La. <i>Journal of Alloys and Compounds</i> , 2005, 388, 145-152.	5.5	28
27	Sintering dense boron carbide without grain growth under high pressure. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1289-1297.	3.8	27
28	Biomimetic 3D coral reef-like GO@TiO ₂ composite framework inlaid with TiO ₂ @C for low-frequency electromagnetic wave absorption. <i>Carbon</i> , 2021, 178, 144-156.	10.3	26
29	Study on hydrophobic properties of fluororubber prepared by template method under high temperature conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 125837.	4.7	26
30	Effect of nanometer silicon dioxide on the frictional behavior of lubricating grease. <i>Nanomaterials and Nanotechnology</i> , 2017, 7, 184798041772593.	3.0	25
31	A study on mechanical and tribological properties of silicone rubber reinforced with white carbon black. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2018, 12, 9-16.	1.4	25
32	Wear property improvement by short carbon fiber as enhancer for rubber compound. <i>Polymer Testing</i> , 2019, 77, 105879.	4.8	25
33	Generalized conservative phase field model and its lattice Boltzmann scheme for multicomponent multiphase flows. <i>International Journal of Multiphase Flow</i> , 2020, 132, 103432.	3.4	25
34	A measuring method of gas leakage along the contact interface of the stripped rubber seals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 61, 299-304.	5.0	24
35	Evaluation of embryonic age and the effects of different proteases on the isolation and primary culture of chicken intestinal epithelial cells <i>in vitro</i> . <i>Animal Science Journal</i> , 2015, 86, 588-594.	1.4	24
36	Acute kidney injury in cancer patients: A nationwide survey in China. <i>Scientific Reports</i> , 2019, 9, 3540.	3.3	24

#	ARTICLE	IF	CITATIONS
37	Research on high temperature friction properties of PTFE/Fluorosilicone rubber/silicone rubber. <i>Polymer Testing</i> , 2020, 91, 106817.	4.8	24
38	A simple preparation method for superhydrophobic surface on silicon rubber and its properties. <i>Progress in Organic Coatings</i> , 2020, 143, 105612.	3.9	24
39	Thermo-oxidative ageing behavior of cerium oxide/silicone rubber. <i>Journal of Rare Earths</i> , 2020, 38, 436-444.	4.8	23
40	Effects of two nano-ZnO processing technologies on the properties of rubber. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 2009-2020.	3.1	22
41	Morphology and Transcriptome Analysis of <i>Nosema bombycis</i> Sporoplasm and Insights into the Initial Infection of Microsporidia. <i>MSphere</i> , 2020, 5, .	2.9	22
42	67 laminin receptor promotes the malignant potential of tumour cells up-regulating lysyl oxidase-like 2 expression in cholangiocarcinoma. <i>Digestive and Liver Disease</i> , 2014, 46, 750-757.	0.9	20
43	Doped Lanthanum Gallate Film Solid Oxide Fuel Cells Fabricated On a Ni/YSZ Anode Support. <i>Journal of the American Ceramic Society</i> , 2006, 89, 2664-2667.	3.8	19
44	Evolutionary and functional studies on microsporidian ATP-binding cassettes: Insights into the adaptation of microsporidia to obligated intracellular parasitism. <i>Infection, Genetics and Evolution</i> , 2019, 68, 136-144.	2.3	19
45	Research progress on compounding agent and mechanical test method of fluororubber. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50913.	2.6	19
46	The Effects of Exercise Intensity on p-NR2B Expression in Cerebral Ischemic Rats. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 613-618.	0.5	18
47	Experimental study of tribological properties of lithium-based grease with Cu nanoparticle additive. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2017, 11, 75-82.	1.4	18
48	Pathological analysis of silkworm infected by two microsporidia <i>Nosema bombycis</i> CQ1 and <i>Vairimorpha necatrix</i> BM. <i>Journal of Invertebrate Pathology</i> , 2018, 153, 75-84.	3.2	18
49	Study on preparation and properties of superhydrophobic surface of RTV silicone rubber. <i>Journal of Materials Research and Technology</i> , 2021, 11, 135-143.	5.8	17
50	Risk Factor Analysis for AKI Including Laboratory Indicators: a Nationwide Multicenter Study of Hospitalized Patients. <i>Kidney and Blood Pressure Research</i> , 2017, 42, 761-773.	2.0	16
51	Phase transition of $\text{Eu}_{2-x}\text{Ti}_{2-x}\text{O}_7$ under high pressure and a new ferroelectric phase with perovskite-like layered structure. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2571-2577.	3.8	15
52	Effect of few layer graphene additive on the tribological properties of lithium grease. <i>Lubrication Science</i> , 2020, 32, 333-343.	2.1	15
53	Mechanical, thermal, and friction properties of addition-type fluororubber co-filled with Al_2O_3 particles at high temperature. <i>Polymer Testing</i> , 2021, 96, 107131.	4.8	15
54	Liquid phase assisted high pressure sintering of dense TiC nanoceramics. <i>Ceramics International</i> , 2018, 44, 17972-17977.	4.8	14

#	ARTICLE	IF	CITATIONS
55	Si-Disordering in MgAl ₂ O ₄ -Spinel under High P-T Conditions, with Implications for Si-Mg Disorder in Mg ₂ SiO ₄ -Ringwoodite. Minerals (Basel, Switzerland), 2018, 8, 210.	2.0	14
56	Friction and wear property of lithium grease contained with copper oxide nanoparticles. Applied Nanoscience (Switzerland), 2020, 10, 1355-1367.	3.1	14
57	Preparation strategy and evaluation method of durable superhydrophobic rubber composites. Advances in Colloid and Interface Science, 2022, 299, 102549.	14.7	14
58	L-arginine stimulates CAT-1-mediated arginine uptake and regulation of inducible nitric oxide synthase for the growth of chick intestinal epithelial cells. Molecular and Cellular Biochemistry, 2015, 399, 229-236.	3.1	13
59	Genetic variation architecture of mitochondrial genome reveals the differentiation in Korean landrace and weedy rice. Scientific Reports, 2017, 7, 43327.	3.3	13
60	Superhydrophobic silicone rubber surface prepared by direct replication. Surface Engineering, 2021, 37, 278-287.	2.2	13
61	Constraint-induced movement therapy promotes motor function recovery and downregulates phosphorylated extracellular regulated protein kinase expression in ischemic brain tissue of rats. Neural Regeneration Research, 2015, 10, 2004.	3.0	13
62	A unified lattice Boltzmann model for immiscible and miscible ternary fluids. Computers and Mathematics With Applications, 2020, 80, 2830-2859.	2.7	12
63	Tribological and rheological properties of nanorods Al ₂ O ₃ as additives in grease. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2019, 233, 605-614.	1.8	10
64	Research on low temperature performance of ZnO/SiO ₂ composite superhydrophobic paper mulch. Journal of Materials Research and Technology, 2021, 14, 851-863.	5.8	10
65	The Genome of Nosema sp. Isolate YNPr: A Comparative Analysis of Genome Evolution within the Nosema/Vairimorpha Clade. PLoS ONE, 2016, 11, e0162336.	2.5	10
66	Microsporidia infection upregulates host energy metabolism but maintains ATP homeostasis. Journal of Invertebrate Pathology, 2021, 186, 107596.	3.2	9
67	Correlation of mechanical properties in bulk metallic glasses with ²⁷ Al NMR characteristics. Science Bulletin, 2011, 56, 3937-3941.	1.7	8
68	Experimental investigation on large deformation of silicon rubber. Journal of Polymer Research, 2019, 26, 1.	2.4	8
69	Impact of Boron Nitride Nanoparticles on the Wear Property of Lithium Base Grease. Journal of Materials Engineering and Performance, 2020, 29, 4991-5000.	2.5	8
70	In-vitro cultivation of Nosema bombycis sporoplasms: A method for potential genetic engineering of microsporidia. Journal of Invertebrate Pathology, 2020, 174, 107420.	3.2	8
71	Reciprocating Compression of ZnO Probed by X-ray Diffraction: The Size Effect on Structural Properties under High Pressure. Inorganic Chemistry, 2018, 57, 5380-5388.	4.0	7
72	Study on mechanical and tribological properties of ternary fluororubber filled with four needles of zinc oxide. Polymer Composites, 2021, 42, 3064-3076.	4.6	7

#	ARTICLE	IF	CITATIONS
73	A lattice Boltzmann model for liquid-vapor-solid flow with thermal phase change. <i>Computers and Mathematics With Applications</i> , 2022, 114, 60-72.	2.7	7
74	Application of Cu nanoparticles as N32 base oil additives. <i>Frontiers of Mechanical Engineering in China</i> , 2010, 5, 93-97.	0.4	6
75	Study on the reinforcing effect of nano-SiO ₂ filled PTFE composites. <i>AIP Advances</i> , 2019, 9, 055217.	1.3	6
76	Proliferation characteristics of the intracellular microsporidian pathogen <i>Nosema bombycis</i> in congenitally infected embryos. <i>Journal of Invertebrate Pathology</i> , 2020, 169, 107310.	3.2	6
77	“Soapy water” transformation of the “condenser” with self-cleaning ability and antibacterial activity. <i>Journal of Cleaner Production</i> , 2021, 286, 125432.	9.3	6
78	Study on mechanical and tribological properties of cerium oxide/fluorine rubber composites. <i>Materials Today Communications</i> , 2021, 28, 102596.	1.9	6
79	Study on anti-aging properties of modified ZnO-SiO ₂ superhydrophobic coated paper mulch film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127430.	4.7	6
80	Identification of Propionate-Degrading Microbial Populations in Methanogenic Processes for Waste Treatment: <i>Methanosaeta</i> and <i>Methanoculleus</i> . <i>Environmental Engineering Science</i> , 2022, 39, 202-211.	1.6	6
81	Enrichment and specific quantification of <i>Methanocalculus</i> in anaerobic digestion. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 677-683.	2.2	5
82	Effects of solution depletion and segregation oxidation on morphology of modified 310 austenitic stainless steel. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 393-400.	2.8	5
83	Multiwalled carbon nanotubes enhanced the friction layer evolution and self-lubricating property of TiAl-10 wt% Ag-1 wt% MWCNTs sample. <i>RSC Advances</i> , 2017, 7, 40592-40599.	3.6	5
84	Investigation of self-cleaning and bouncing properties of superhydrophobic aluminum nitride/silicone rubber. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	5
85	Identification, Diversity and Evolution of MITEs in the Genomes of Microsporidian <i>Nosema</i> Parasites. <i>PLoS ONE</i> , 2015, 10, e0123170.	2.5	4
86	Investigation on Friction and Wear Properties of High-Temperature Bearing Steel 9Cr18Mo. <i>Materials Research</i> , 2018, 21, .	1.3	4
87	Impact of WS ₂ Nanoparticles on Nitrile Butadiene Rubber Properties. <i>Fibers and Polymers</i> , 2020, 21, 1163-1172.	2.1	4
88	Characterization of Hsp70 gene family provides insight into its functions related to microsporidian proliferation. <i>Journal of Invertebrate Pathology</i> , 2020, 174, 107394.	3.2	4
89	Preparation of superhydrophobic composite paper mulching film. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103247.	4.9	4
90	Preparation and Comprehensive Performance Test of Superhydrophobic Paper Mulch Films. <i>ACS Omega</i> , 2021, 6, 24407-24418.	3.5	4

#	ARTICLE	IF	CITATIONS
91	Study on rubber surface enhancement of fiber fabric. Journal of Polymer Research, 2021, 28, 1.	2.4	3
92	Effects of Alumina Doping on Mechanical and Tribological Properties of Nitrile Butadiene Rubber. Fibers and Polymers, 2021, 22, 3106-3119.	2.1	3
93	Transformation of γ -Fe ₂ O ₃ to Fe ₃ O ₄ Realized by Mechanochemical Reaction of γ -Fe ₂ O ₃ and SrCO ₃ . Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 1574-1578.	2.1	2
94	Ultrasonic dispersion method used in glass polishing experiment. Advances in Mechanical Engineering, 2021, 13, 168781402110118.	1.6	2
95	Characterizing the Xenoma of Vairimorpha necatrix Provides Insights Into the Most Efficient Mode of Microsporidian Proliferation. Frontiers in Cellular and Infection Microbiology, 2021, 11, 699239.	3.9	2
96	Study on high temperature composite properties of ternary fluor rubber filled with nano-cerium oxide. Journal of Polymer Research, 2021, 28, 1.	2.4	2
97	The Effects on the Structures and Properties in the Oxide-Ion Conductor La ₂ Mo ₂ O ₉ by Partial Substituting Ba for La.. ChemInform, 2005, 36, no.	0.0	0
98	Thermal optimization and experimental research of high-speed universal pulverizer. Advances in Manufacturing, 2018, 6, 83-94.	6.1	0