

Hui Guo

List of Publications by Year in descending order

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66
papers

3,423
citations

218677

26
h-index

155660

55
g-index

66
all docs

66
docs citations

66
times ranked

6870
citing authors

#	ARTICLE	IF	CITATIONS
1	Dry-regulated hydrogels with anisotropic mechanical performance and ionic conductivity. Chinese Chemical Letters, 2022, 33, 871-876.	9.0	8
2	Dynamic swelling performance of hydrophobic hydrogels. Chinese Chemical Letters, 2022, 33, 2178-2182.	9.0	8
3	Neutronics modelling of control rod compensation operation in small modular fast reactor using OpenMC. Nuclear Engineering and Technology, 2022, 54, 803-810.	2.3	2
4	Preliminary analysis of a zirconium hydride moderated megawatt heat pipe reactor. Nuclear Engineering and Design, 2022, 388, 111622.	1.7	8
5	Effect of Sodium Dodecyl Benzenesulfonate on the Formation Kinetics of Methane Hydrate. Energy & Fuels, 2022, 36, 1647-1653.	5.1	1
6	Modification of Hydrophobic Hydrogels into a Strongly Adhesive and Tough Hydrogel by Electrostatic Interaction. Macromolecules, 2022, 55, 156-165.	4.8	72
7	Oleophobic interaction mediated slippery organogels with ameliorated mechanical performance and satisfactory fouling-resistance. Journal of Materials Science and Technology, 2022, 121, 227-235.	10.7	9
8	A suggested shared aetiology of dementia - a colocalization study. Neurobiology of Aging, 2022, 117, 71-82.	3.1	2
9	Influence of nuclear data library on neutronics benchmark of China experimental fast reactor start-up tests. Nuclear Engineering and Technology, 2022, 54, 3888-3896.	2.3	4
10	Verification of OpenMC for fast reactor physics analysis with China experimental fast reactor start-up tests. Nuclear Engineering and Technology, 2022, 54, 3897-3908.	2.3	6
11	Bayesian mendelian randomization with study heterogeneity and data partitioning for large studies. BMC Medical Research Methodology, 2022, 22, .	3.1	3
12	Hyaluronic Acid-Functionalized Mesoporous Silica Nanoparticles Loading Simvastatin for Targeted Therapy of Atherosclerosis. Pharmaceutics, 2022, 14, 1265.	4.5	19
13	Anti-Fouling Performance of Hydrophobic Hydrogels with Unique Surface Hydrophobicity and Nanoarchitectonics. Gels, 2022, 8, 407.	4.5	8
14	Trans-ancestral dissection of urate- and gout-associated major loci SLC2A9 and ABCG2 reveals primate-specific regulatory effects. Journal of Human Genetics, 2021, 66, 161-169.	2.3	6
15	Uncovering genetic mechanisms of hypertension through multi-omic analysis of the kidney. Nature Genetics, 2021, 53, 630-637.	21.4	37
16	Neutronic modeling of megawatt-class heat pipe reactors. Annals of Nuclear Energy, 2021, 154, 108140.	1.8	10
17	Stimuli-Responsive Toughening of Hydrogels. Chemistry of Materials, 2021, 33, 7633-7656.	6.7	68
18	Recent advances of organogels: from fabrications and functions to applications. Progress in Organic Coatings, 2021, 159, 106417.	3.9	44

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19	Biologically Responsive Nanosystems Targeting Cardiovascular Diseases. <i>Current Drug Delivery</i> , 2021, 18, 892-913.	1.6	2
20	A Bayesian approach to Mendelian randomization with multiple pleiotropic variants. <i>Biostatistics</i> , 2020, 21, 86-101.	1.5	37
21	Dual Responsive Regulation of Host-Guest Complexation in Aqueous Media to Control Partial Release of the Host. <i>Chemistry - A European Journal</i> , 2020, 26, 1292-1297.	3.3	8
22	Optimization of reactivity control in a small modular sodium-cooled fast reactor. <i>Nuclear Engineering and Technology</i> , 2020, 52, 1367-1379.	2.3	12
23	Designs of control rods with strong absorption ability for small fast reactors. <i>Nuclear Engineering and Design</i> , 2020, 368, 110799.	1.7	4
24	Overlapping-sample Mendelian randomisation with multiple exposures: a Bayesian approach. <i>BMC Medical Research Methodology</i> , 2020, 20, 295.	3.1	8
25	Higher BMI is linked to an increased risk of heart attacks in European adults: a Mendelian randomisation study. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 258.	1.7	6
26	Integrative analysis of Mendelian randomization and Bayesian colocalization highlights four genes with putative BMI-mediated causal pathways to diabetes. <i>Scientific Reports</i> , 2020, 10, 7476.	3.3	7
27	Obesity and Cancer Treatment Outcomes: Interpreting the Complex Evidence. <i>Clinical Oncology</i> , 2020, 32, 591-608.	1.4	33
28	Association of congenital cardiovascular malformation and neuropsychiatric phenotypes with 15q11.2 (BP1-BP2) deletion in the UK Biobank. <i>European Journal of Human Genetics</i> , 2020, 28, 1265-1273.	2.8	14
29	Optimized control rod designs for Generation-IV fast reactors using alternative absorbers and moderators. <i>Annals of Nuclear Energy</i> , 2019, 132, 713-722.	1.8	13
30	Flux distribution of the Superphoenix start-up core for the validation of neutronic codes. <i>Annals of Nuclear Energy</i> , 2019, 133, 889-899.	1.8	3
31	Effect of responsive graft length on mechanical toughening and transparency in microphase-separated hydrogels. <i>Soft Matter</i> , 2019, 15, 8653-8666.	2.7	8
32	Application of Minor Actinides as Burnable Poisons in Sodium Fast Reactors. <i>Nuclear Technology</i> , 2019, 205, 1447-1459.	1.2	3
33	Application of Boron Carbide as Burnable Poison in Sodium Fast Reactors. <i>Nuclear Technology</i> , 2019, 205, 1433-1446.	1.2	8
34	Hydrophobic Hydrogels with Fruit-Like Structure and Functions. <i>Advanced Materials</i> , 2019, 31, e1900702.	21.0	64
35	Advanced method for neutronic simulation of control rods in sodium fast reactors: Numerical and experimental validation. <i>Annals of Nuclear Energy</i> , 2019, 129, 90-100.	1.8	17
36	Advanced method for depletion calculation of control rods in sodium fast reactors. <i>Annals of Nuclear Energy</i> , 2019, 129, 160-168.	1.8	6

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37	Uncovering genetic mechanisms of kidney aging through transcriptomics, genomics, and epigenomics. <i>Kidney International</i> , 2019, 95, 624-635.	5.2	40
38	Long-term survival following on-pump and off-pump coronary artery bypass graft surgery: a propensity score-matched analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 1147-1153.	1.4	10
39	Sensitivity to pain expectations: A Bayesian model of individual differences. <i>Cognition</i> , 2019, 182, 127-139.	2.2	47
40	Design directions of optimized reactivity control systems in sodium fast reactors. <i>Nuclear Engineering and Design</i> , 2019, 341, 239-247.	1.7	9
41	Cold and Hot Gelling of Alginate- <i>graft</i> -PNIPAM: a Schizophrenic Behavior Induced by Potassium Salts. <i>Biomacromolecules</i> , 2018, 19, 576-587.	5.4	22
42	Investigating multiple sclerosis genetic susceptibility on the founder population of east-central Sardinia via association and linkage analysis of immune-related loci. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1815-1824.	3.0	13
43	Molecular insights into genome-wide association studies of chronic kidney disease-defining traits. <i>Nature Communications</i> , 2018, 9, 4800.	12.8	52
44	Tough Hydrogels with Fast, Strong, and Reversible Underwater Adhesion Based on a Multiscale Design. <i>Advanced Materials</i> , 2018, 30, e1801884.	21.0	235
45	Mendelian randomisation analysis of clustered causal effects of body mass on cardiometabolic biomarkers. <i>BMC Bioinformatics</i> , 2018, 19, 195.	2.6	2
46	Hydrogels with Dual Thermoresponsive Mechanical Performance. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700287.	3.9	24
47	Thermoresponsive Toughening with Crack Bifurcation in Phase-Separated Hydrogels under Isochoric Conditions. <i>Advanced Materials</i> , 2016, 28, 5857-5864.	21.0	91
48	Thermoresponsive Toughening in LCST-Type Hydrogels: Comparison between Semi-Interpenetrated and Grafted Networks. <i>Macromolecules</i> , 2016, 49, 9568-9577.	4.8	36
49	Thermoresponsive Toughening in LCST-Type Hydrogels with Opposite Topology: From Structure to Fracture Properties. <i>Macromolecules</i> , 2016, 49, 4295-4306.	4.8	49
50	Dissection of a Complex Disease Susceptibility Region Using a Bayesian Stochastic Search Approach to Fine Mapping. <i>PLoS Genetics</i> , 2015, 11, e1005272.	3.5	55
51	Fine mapping of type 1 diabetes susceptibility loci and evidence for colocalization of causal variants with lymphoid gene enhancers. <i>Nature Genetics</i> , 2015, 47, 381-386.	21.4	589
52	Detection and correction of artefacts in estimation of rare copy number variants and analysis of rare deletions in type 1 diabetes. <i>Human Molecular Genetics</i> , 2015, 24, 1774-1790.	2.9	20
53	Statistical colocalization of genetic risk variants for related autoimmune diseases in the context of common controls. <i>Nature Genetics</i> , 2015, 47, 839-846.	21.4	128
54	Integration of disease association and eQTL data using a Bayesian colocalisation approach highlights six candidate causal genes in immune-mediated diseases. <i>Human Molecular Genetics</i> , 2015, 24, 3305-3313.	2.9	134

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55	Influence of topology of LCST-based graft copolymers on responsive assembling in aqueous media. <i>Polymer</i> , 2015, 60, 164-175.	3.8	43
56	Widespread seasonal gene expression reveals annual differences in human immunity and physiology. <i>Nature Communications</i> , 2015, 6, 7000.	12.8	367
57	VSEAMS: a pipeline for variant set enrichment analysis using summary GWAS data identifies <i>KZF3</i> , <i>BATF</i> and <i>ESRRA</i> as key transcription factors in type 1 diabetes. <i>Bioinformatics</i> , 2014, 30, 3342-3348.	4.1	14
58	A Type I Interferon Transcriptional Signature Precedes Autoimmunity in Children Genetically at Risk for Type 1 Diabetes. <i>Diabetes</i> , 2014, 63, 2538-2550.	0.6	261
59	A Method for Gene-Based Pathway Analysis Using Genomewide Association Study Summary Statistics Reveals Nine New Type 1 Diabetes Associations. <i>Genetic Epidemiology</i> , 2014, 38, 661-670.	1.3	54
60	Multi-parametric flow cytometric and genetic investigation of the peripheral B cell compartment in human type 1 diabetes. <i>Clinical and Experimental Immunology</i> , 2014, 177, 571-585.	2.6	55
61	A hybrid qPCR/SNP array approach allows cost efficient assessment of KIR gene copy numbers in large samples. <i>BMC Genomics</i> , 2014, 15, 274.	2.8	12
62	Postthymic Expansion in Human CD4 Naive T Cells Defined by Expression of Functional High-Affinity IL-2 Receptors. <i>Journal of Immunology</i> , 2013, 190, 2554-2566.	0.8	60
63	Seven newly identified loci for autoimmune thyroid disease. <i>Human Molecular Genetics</i> , 2012, 21, 5202-5208.	2.9	143
64	Efficient Ru(II)-catalyzed asymmetric hydrogenation of simple ketones with C2-symmetric planar chiral metallocenyl phosphinoxazoline ligands. <i>Tetrahedron</i> , 2012, 68, 3295-3299.	1.9	38
65	C-N Bond Cleavage of Allylic Amines via Hydrogen Bond Activation with Alcohol Solvents in Pd-Catalyzed Allylic Alkylation of Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2011, 133, 19354-19357.	13.7	251
66	Mechanism insights in controlling host-guest (de)complexation by thermoresponsive polymer phase transitions. <i>Polymer Chemistry</i> , 0, , .	3.9	1