

# Guorui Zhu

## List of Publications by Year in descending order

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31  
papers

337  
citations

840776

11  
h-index

888059

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

362  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental research and simulation of two-phase plume for R134a release and diffusion. Journal of Loss Prevention in the Process Industries, 2022, 75, 104678.	3.3	2
2	Experimental study on inertial focusing pattern in asymmetric contraction–expansion array microchannel. Microfluidics and Nanofluidics, 2022, 26, 1.	2.2	3
3	Experimental Study on Fluidelastic Instability of Tube Bundles With Asymmetric Stiffness Using Visual Image Processing System. Journal of Pressure Vessel Technology, Transactions of the ASME, 2022, 144, .	0.6	0
4	Experimental study of liquefied gas dynamic leakage behavior from a pressurized vessel. Chemical Engineering Research and Design, 2021, 151, 20-27.	5.6	13
5	Fabrication for paper-based microfluidic analytical devices and saliva analysis application. Microfluidics and Nanofluidics, 2021, 25, 1.	2.2	14
6	A weak shear stress microfluidic device based on Viscoelastic Stagnant Region (VSR) for biosensitive particle capture. Talanta, 2021, 233, 122550.	5.5	4
7	A needle tip CCEA microfluidic device based on enhanced Dean flow for cell washing. Microsystems and Nanoengineering, 2021, 7, 81.	7.0	4
8	A multiple-outlet adaptive boundary condition for Eulerian-Eulerian multiphase numerical simulation. Chemical Engineering Science, 2020, 214, 115447.	3.8	0
9	Separation of exfoliated tumor cells from viscoelastic pleural effusion using a microfluidic sandwich structure. Analytical and Bioanalytical Chemistry, 2020, 412, 5513-5523.	3.7	8
10	Experiment and simulation research of evolution process for LNG leakage and diffusion. Journal of Loss Prevention in the Process Industries, 2020, 64, 104041.	3.3	19
11	Nitrate contamination in a coastal soil and water system: A case study after the Tianjin Port 8.12 explosion, China. Human and Ecological Risk Assessment (HERA), 2019, 25, 2017-2031.	3.4	7
12	Effects of the Imbibition Ability of Extinguishant in Pulverized Coals. Transactions of Tianjin University, 2019, 25, 45-51.	6.4	1
13	Investigation of the Vibration Behavior of Fluidelastic Instability in Closely Packed Square Tube Arrays. Transactions of Tianjin University, 2019, 25, 124-142.	6.4	7
14	A Dean-flow-coupled interfacial viscoelastic fluid for microparticle separation applied in a cell smear method. Analyst, The, 2019, 144, 5934-5946.	3.5	12
15	Geometric effect of buildings on the dispersion of carbon dioxide cloud in idealized urban street canyons. Chemical Engineering Research and Design, 2019, 122, 271-280.	5.6	19
16	Hydrodynamic separation by changing equilibrium positions in contraction–expansion array channels. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	13
17	Asymmetric coalescence-induced droplet jumping on hydrophobic fibers. Chemical Engineering Science, 2019, 201, 298-308.	3.8	5
18	Experimental and numerical study on the dispersion of heavy gases in urban environments. Chemical Engineering Research and Design, 2018, 116, 640-653.	5.6	18

#	ARTICLE	IF	CITATIONS
19	Migration of Cr <sup>2+</sup> and Butanone in Soil and Groundwater System After the Tianjin Port 8 <sup>12</sup> Explosion. Transactions of Tianjin University, 2018, 24, 522-531.	6.4	5
20	Dewatering of drilling sludge by ultrasound assisted Fe(II)-activated persulfate oxidation. RSC Advances, 2018, 8, 29756-29766.	3.6	19
21	Effects of Solvent Molecules on the Interlayer Spacing of Graphene Oxide. Transactions of Tianjin University, 2018, 24, 555-562.	6.4	16
22	Experiment Study on Fluidelastic Instability of Tube Bundles Consisting of Different Frequency Tubes With Visual Image Processing System. Journal of Pressure Vessel Technology, Transactions of the ASME, 2018, 140, .	0.6	8
23	Insight into hydrogen bonds and characterization of interlayer spacing of hydrated graphene oxide. Journal of Molecular Modeling, 2018, 24, 137.	1.8	27
24	A New Theoretical Model for Coalescence-Induced Droplet Jumping on Hydrophobic Fibers. Industrial & Engineering Chemistry Research, 2018, 57, 8299-8307.	3.7	10
25	A visible coalescence of droplets on hydrophobic and hydrophilic fibers in water-in-oil emulsion. Journal of Dispersion Science and Technology, 2017, 38, 1719-1725.	2.4	6
26	Influence of Na <sup>+</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Ca <sup>2+</sup> , and Fe <sup>3+</sup> on filterability and settleability of drilling sludge. Chinese Journal of Chemical Engineering, 2017, 25, 658-664.	3.5	12
27	Optimization of operating conditions in the purification of graphite oxide dispersions. Korean Journal of Chemical Engineering, 2016, 33, 3251-3257.	2.7	6
28	The rheological behavior of graphite oxide/cationic polyacrylamide suspensions. RSC Advances, 2016, 6, 102938-102946.	3.6	7
29	Rheological Behavior of High Concentrated Dispersions of Graphite Oxide. Soft Materials, 2015, 13, 167-175.	1.7	13
30	Effects and Mechanism Research of the Desilication Pretreatment for High-Aluminum Fly Ash. Energy & Fuels, 2013, 27, 6948-6954.	5.1	37
31	Experimental and Numerical Study of the Solid Concentration Distribution in a Horizontal Screw Decanter Centrifuge. Industrial & Engineering Chemistry Research, 2013, 52, 17249-17256.	3.7	22