

# Yingrui Bai

## List of Publications by Year in descending order

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41  
papers

1,048  
citations

361045

20  
h-index

433756

31  
g-index

41  
all docs

41  
docs citations

41  
times ranked

562  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gelation Study on a Hydrophobically Associating Polymer/Polyethylenimine Gel System for Water Shut-off Treatment. <i>Energy &amp; Fuels</i> , 2015, 29, 447-458.	2.5	111
2	Experimental Study on Ethanolamine/Surfactant Flooding for Enhanced Oil Recovery. <i>Energy &amp; Fuels</i> , 2014, 28, 1829-1837.	2.5	72
3	Research progress and prospect of plugging technologies for fractured formation with severe lost circulation. <i>Petroleum Exploration and Development</i> , 2021, 48, 732-743.	3.0	63
4	Enhancement of thermal stability of drilling fluid using laponite nanoparticles under extreme temperature conditions. <i>Materials Letters</i> , 2019, 248, 146-149.	1.3	57
5	Experimental study of low molecular weight polymer/nanoparticle dispersed gel for water plugging in fractures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 551, 95-107.	2.3	51
6	Synthesis of hydrophobic associative polymers to improve the rheological and filtration performance of drilling fluids under high temperature and high salinity conditions. <i>Journal of Petroleum Science and Engineering</i> , 2022, 209, 109808.	2.1	47
7	Experimental Study on Hydrophobically Associating Hydroxyethyl Cellulose Flooding System for Enhanced Oil Recovery. <i>Energy &amp; Fuels</i> , 2018, 32, 6713-6725.	2.5	43
8	Oxygen vacancy BiO <sub>2-x</sub> /Bi <sub>2</sub> WO <sub>6</sub> synchronous coupling with Bi metal for phenol removal via visible and near-infrared light irradiation. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 342-353.	5.0	43
9	Salt-Responsive Zwitterionic Polymer Brush Based on Modified Silica Nanoparticles as a Fluid-Loss Additive in Water-Based Drilling Fluids. <i>Energy &amp; Fuels</i> , 2020, 34, 1669-1679.	2.5	41
10	Oxygen-Vacancy-Rich BiO <sub>2-x</sub> /Ag <sub>3</sub> PO <sub>4</sub> /CNT Composite for Polycyclic Aromatic Hydrocarbons (PAHs) Removal via Visible and Near-Infrared Light Irradiation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 5725-5735.	1.8	37
11	Physical plugging of lost circulation fractures at microscopic level. <i>Fuel</i> , 2022, 317, 123477.	3.4	34
12	Effects of Fracture and Matrix on Propagation Behavior and Water Shut-off Performance of a Polymer Gel. <i>Energy &amp; Fuels</i> , 2015, 29, 5534-5543.	2.5	30
13	Experimental Evaluation of a Surfactant/Compound Organic Alkalis Flooding System for Enhanced Oil Recovery. <i>Energy &amp; Fuels</i> , 2017, 31, 5860-5869.	2.5	28
14	Performance and displacement mechanism of a surfactant/compound alkaline flooding system for enhanced oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123679.	2.3	28
15	Temperature- and Salt-Resistant Micro-Crosslinked Polyampholyte Gel as Fluid-Loss Additive for Water-Based Drilling Fluids. <i>Gels</i> , 2022, 8, 289.	2.1	28
16	Experimental Investigation of Nanolaponite Stabilized Nitrogen Foam for Enhanced Oil Recovery. <i>Energy &amp; Fuels</i> , 2018, 32, 3163-3175.	2.5	25
17	Magnetic-responsive CNT/chitosan composite as stabilizer and adsorbent for organic contaminants and heavy metal removal. <i>Journal of Molecular Liquids</i> , 2021, 334, 116087.	2.3	25
18	Dynamic fracture width prediction for lost circulation control and formation damage prevention in ultra-deep fractured tight reservoir. <i>Fuel</i> , 2022, 307, 121770.	3.4	25

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19	Self-healing hydrogels and their action mechanism in oil-gas drilling and development engineering: A systematic review and prospect. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 96, 104250.	2.1	24
20	High temperature resistant polymer gel as lost circulation material for fractured formation during drilling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128244.	2.3	23
21	Hydrophobic-associated polymer-based laponite nanolayered silicate composite as filtrate reducer for water-based drilling fluid at high temperature. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48608.	1.3	20
22	Tough and self-healing hydrophobic association hydrogels with cationic surfactant. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50645.	1.3	20
23	Status and Prospect of Drilling Fluid Loss and Lost Circulation Control Technology in Fractured Formation. <i>Gels</i> , 2022, 8, 260.	2.1	18
24	Low Interfacial Tension Behavior Between Organic Alkali/Surfactant/Polymer System and Crude Oil. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 756-763.	1.3	15
25	Effects of Interfacial Tension, Emulsification, and Mobility Control on Tertiary Oil Recovery. <i>Journal of Dispersion Science and Technology</i> , 2015, 36, 811-820.	1.3	15
26	Experimental Study on Physicochemical Properties of a Shear Thixotropic Polymer Gel for Lost Circulation Control. <i>Gels</i> , 2022, 8, 229.	2.1	15
27	Microstructure, dispersion, and flooding characteristics of intercalated polymer for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , 2021, 340, 117235.	2.3	14
28	Experimental study on viscosity and flow characteristics of a clay-intercalated polymer. <i>Journal of Molecular Liquids</i> , 2021, 322, 114931.	2.3	12
29	Disproportionate filtration behaviors of polymer/chromium gel used for fracture plugging. <i>Journal of Molecular Liquids</i> , 2021, 343, 117567.	2.3	11
30	Formation mechanisms of fracture plugging zone and optimization of plugging particles. <i>Petroleum Exploration and Development</i> , 2022, 49, 684-693.	3.0	11
31	Plugging performance and mechanism of temperature-responsive adhesive lost circulation material. <i>Journal of Petroleum Science and Engineering</i> , 2022, 217, 110771.	2.1	10
32	Effects of PVP and NaCl on the decomposition of methane hydrate by MD simulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127817.	2.3	8
33	Experimental study on an oil-absorbing resin used for lost circulation control during drilling. <i>Journal of Petroleum Science and Engineering</i> , 2022, 214, 110557.	2.1	8
34	Effects of a Novel Organic Alkali on the Interfacial Tension and Emulsification Behaviors Between Crude Oil and Water. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 1126-1134.	1.3	7
35	A novel chemical-consolidation sand control composition: Foam amino resin system. <i>E-Polymers</i> , 2019, 19, 1-8.	1.3	7
36	Experimental study on an oil-based polymer gel for lost circulation control in high-temperature fractured formation. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51763.	1.3	7

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37	Use of a Polymer Gel for Killing a High-Temperature and High-Pressure Gas Well. SPE Journal, 2022, 27, 3297-3313.	1.7	6
38	Experimental study on the controlling factors of frictional coefficient for lost circulation control and formation damage prevention in deep fractured tight reservoir. Petroleum, 2021, , .	1.3	4
39	Effect of Molecular Structure on Interfacial Activity and Emulsification Property. Tenside, Surfactants, Detergents, 2012, 49, 394-397.	0.5	3
40	A Novel Self-Photodegradation Drilling Fluids Under Near-Infrared Light Irradiation with Preferable Wellbore Stability. , 2021, , .		1
41	Study on the loss control performance of smart adhesive lost circulation materials with Ethylene Vinyl Acetate Copolymer (EVA). Journal of Physics: Conference Series, 2021, 2044, 012053.	0.3	1