

Jinsheng Sun

List of Publications by Year in descending order

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46
papers

1,090
citations

361045

20
h-index

454577

30
g-index

46
all docs

46
docs citations

46
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen vacancy BiO _{2-x} /Bi ₂ WO ₆ 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
2	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
3	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
4	Synthesis of a novel cationic hydrophobic shale inhibitor with preferable wellbore stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128274.	2.3	11
5	Experimental Study on Physicochemical Properties of a Shear Thixotropic Polymer Gel for Lost Circulation Control. <i>Gels</i> , 2022, 8, 229.	2.1	15
6	A laboratory study of self-healing hydrophobic association gels used as lost circulation material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 646, 128964.	2.3	13
7	Status and Prospect of Drilling Fluid Loss and Lost Circulation Control Technology in Fractured Formation. <i>Gels</i> , 2022, 8, 260.	2.1	18
8	An Inverse Emulsion Polymer as a Highly Effective Salt- and Calcium-Resistant Fluid Loss Reducer in Water-Based Drilling Fluids. <i>ACS Omega</i> , 2022, 7, 16141-16151.	1.6	13
9	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
10	Role of chemical cementation and hydration inhibition on wellbore stability in hydrate bearing sediment: Experimental and molecular dynamics simulation studies. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 104, 104619.	2.1	3
11	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
12	Novel Use of a Superhydrophobic Nanosilica Performing Wettability Alteration and Plugging in Water-Based Drilling Fluids for Wellbore Strengthening. <i>Energy & Fuels</i> , 2022, 36, 6144-6158.	2.5	6
13	A Temperature-Sensitive Polymeric Rheology Modifier Used in Water-Based Drilling Fluid for Deepwater Drilling. <i>Gels</i> , 2022, 8, 338.	2.1	8
14	Recent Advances in Methods of Gas Recovery from Hydrate-Bearing Sediments: A Review. <i>Energy & Fuels</i> , 2022, 36, 5550-5593.	2.5	13
15	Synthesis of a new high temperature and salt resistant zwitterionic filtrate reducer and its application in water-based drilling fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129730.	2.3	22
16	Achieving the Super Gas-Wetting Alteration by Functionalized Nano-Silica for Improving Fluid Flowing Capacity in Gas Condensate Reservoirs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10996-11006.	4.0	24
17	Tough and self-healing hydrophobic association hydrogels with cationic surfactant. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50645.	1.3	20
18	Research on the rheological and flow characteristics of a supramolecular gel in fractures. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50823.	1.3	3

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19	Environmentally friendly and salt-responsive polymer brush based on lignin nanoparticle as fluid-loss additive in water-based drilling fluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126482.	2.3	27
20	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
21	Effects of Modified Cellulose on Methane Hydrate Decomposition: Experiments and Molecular Dynamics Simulations. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9689-9697.	3.2	22
22	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
23	Effects of a crosslinking agent on a supramolecular gel to control lost circulation. <i>New Journal of Chemistry</i> , 2021, 45, 7089-7095.	1.4	11
24	Modified Nanopolystyrene as a Plugging Agent for Oil-Based Drilling Fluids Applied in Shale Formation. <i>Energy & Fuels</i> , 2021, 35, 16543-16552.	2.5	18
25	Effect of Drilling Fluid Invasion on Natural Gas Hydrate Near-Well Reservoirs Drilling in a Horizontal Well. <i>Energies</i> , 2021, 14, 7075.	1.6	9
26	Wettability alteration to maintain wellbore stability of shale formation using hydrophobic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 635, 128015.	2.3	10
27	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
28	Gas-Wetting Alteration by Fluorochemicals and Its Application for Enhancing Gas Recovery in Gas-Condensate Reservoirs: A Review. <i>Energies</i> , 2020, 13, 4591.	1.6	17
29	Salt-responsive zwitterionic copolymer as tackifier in brine drilling fluids. <i>Journal of Molecular Liquids</i> , 2020, 319, 114345.	2.3	29
30	Synthesis and properties of a high-performance environment-friendly micro-nano filtration reducer. <i>RSC Advances</i> , 2020, 10, 43204-43212.	1.7	2
31	Oxygen-Vacancy-Rich BiO ₂ /Ag ₃ PO ₄ /CNT Composite for Polycyclic Aromatic Hydrocarbons (PAHs) Removal via Visible and Near-Infrared Light Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5725-5735.	1.8	37
32	Salt-Responsive Zwitterionic Polymer Brush Based on Modified Silica Nanoparticles as a Fluid-Loss Additive in Water-Based Drilling Fluids. <i>Energy & Fuels</i> , 2020, 34, 1669-1679.	2.5	41
33	Water-Based Drilling Fluid Containing Bentonite/Poly(Sodium 4-Styrenesulfonate) Composite for Ultrahigh-Temperature Ultradeep Drilling and Its Field Performance. <i>SPE Journal</i> , 2020, 25, 1193-1203.	1.7	31
34	Modified Biosurfactant Cationic Alkyl Polyglycoside as an Effective Additive for Inhibition of Highly Reactive Shale. <i>Energy & Fuels</i> , 2020, 34, 1680-1687.	2.5	21
35	Organosilicate polymer as high temperature Resistent inhibitor for water-based drilling fluids. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	10
36	A Novel Environment-Friendly Natural Extract for Inhibiting Shale Hydration. <i>Energy & Fuels</i> , 2019, 33, 7118-7126.	2.5	26

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37	A novel nano-lignin-based amphoteric copolymer as fluid-loss reducer in water-based drilling fluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123979.	2.3	49
38	A novel film-forming silicone polymer as shale inhibitor for water-based drilling fluids. <i>E-Polymers</i> , 2019, 19, 574-578.	1.3	11
39	Synthesis of a novel environment-friendly filtration reducer and its application in water-based drilling fluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 284-293.	2.3	68
40	Inhibition of the Hydration Expansion of Sichuan Gas Shale by Adsorption of Compounded Surfactants. <i>Energy & Fuels</i> , 2019, 33, 6020-6026.	2.5	38
41	Effect of Dissolution and Dispersion Conditions of VC-713 on the Hydrate Inhibition. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	0.9	5
42	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
43	Development of key additives for organoclay-free oil-based drilling mud and system performance evaluation. <i>Petroleum Exploration and Development</i> , 2018, 45, 764-769.	3.0	17
44	Nanoscale Laponite as a Potential Shale Inhibitor in Water-Based Drilling Fluid for Stabilization of Wellbore Stability and Mechanism Study. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33252-33259.	4.0	100
45	Preparation of a novel amphiphilic comb-like terpolymer as viscosifying additive in low-solid drilling fluid. <i>Materials Letters</i> , 2013, 105, 232-235.	1.3	52
46	A novel zwitterionic quaternary copolymer as a fluid-loss additive for water-based drilling fluids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-14.	1.2	11