

# Wei Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

144  
citations

1478505

6  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

54  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics simulation of the microscopic mechanisms of the dissolution, diffusion and aggregation processes for waxy crystals in crude oil mixtures. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 56-69.	4.2	36
2	Heat flow coupling characteristics analysis and heating effect evaluation study of crude oil in the storage tank different structure coil heating processes. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 89-101.	4.8	20
3	Molecular Dynamics Simulation of the Nucleation and Gelation Process for a Waxy Crude Oil Multiphase System under Different Physical and Chemical Influencing Factors. <i>Energy &amp; Fuels</i> , 2019, 33, 7305-7320.	5.1	19
4	Molecular Dynamics Simulation of Waxy Crude Oil Multiphase System Depositing and Sticking on Pipeline Inner Walls and the Micro Influence Mechanism of Surface Physical and Chemical Characteristics. <i>Energy &amp; Fuels</i> , 2021, 35, 4012-4028.	5.1	16
5	Research on coupled characteristics of heat transfer and flow in the oil static storage process under periodic boundary conditions. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 719-731.	4.8	15
6	Study on Coil Optimization on the Basis of Heating Effect and Effective Energy Evaluation during Oil Storage Process. <i>Energy</i> , 2019, 185, 505-520.	8.8	10
7	Research on the variation law of heating temperature field and the effective energy utilization rate of a steam coil for the floating roof tank. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 1345-1355.	2.1	6
8	Phenomenological study on heat and mass coupling mechanism of waxy crude oil pipeline transport process. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1276-1284.	2.4	6
9	Numerical Simulation of Heat Flux in Unsteady Heat Transfer for Large Floating-Roof Tanks. <i>Chemistry and Technology of Fuels and Oils</i> , 2018, 54, 219-230.	0.5	5
10	Energy loss analysis of the storage tank coil heating process in a dynamic thermal environment. <i>Applied Thermal Engineering</i> , 2021, 189, 116734.	6.0	5
11	Molecular Dynamics Study on the Radial Deposition and Adhesion Process for the Waxy Crude Oil Tube Transport System and Effect-Principle of Features in Construction. <i>Energy &amp; Fuels</i> , 2022, 36, 310-319.	5.1	3
12	Effect of Wax Composition and Shear Force on Wax Aggregation Behavior in Crude Oil: A Molecular Dynamics Simulation Study. <i>Molecules</i> , 2022, 27, 4432.	3.8	3