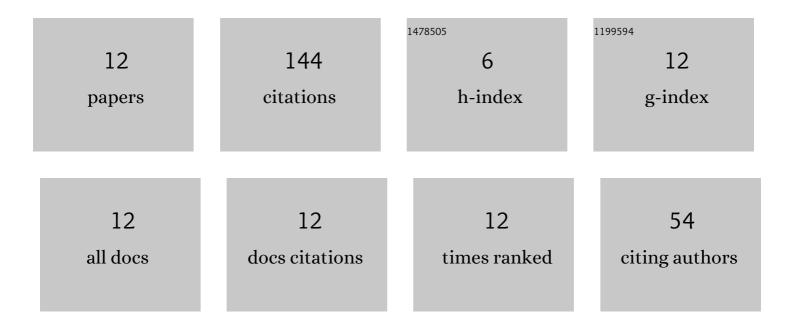
Wei Sun

List of Publications by Year in descending order

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WELSIN

#	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. Journal of Petroleum Science and Engineering, 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. International Journal of Heat and Mass Transfer, 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–Chemical Influencing Factors. Energy & Fuels, 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–Chemical Characteristics. Energy & Fuels, 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. International Journal of Heat and Mass Transfer, 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. Energy, 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. Numerical Heat Transfer; Part A: Applications, 2016, 70, 1345-1355.	2.1	6
8	Phenomenological study on heat and mass coupling mechanism of waxy crude oil pipeline transport process. Journal of Dispersion Science and Technology, 2017, 38, 1276-1284.	2.4	6
9	Numerical Simulation of Heat Flux in Unsteady Heat Transfer for Large Floating-Roof Tanks. Chemistry and Technology of Fuels and Oils, 2018, 54, 219-230.	0.5	5
10	Energy loss analysis of the storage tank coil heating process in a dynamic thermal environment. Applied Thermal Engineering, 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. Energy & Fuels, 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. Molecules, 2022, 27, 4432.	3.8	3