

Guillaume Vinay

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

908
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

553
citing authors

#	ARTICLE	IF	CITATIONS
1	A methodology to investigate factors governing the restart pressure of a Malaysian waxy crude oil pipeline. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109785.	4.2	5
2	Evaluation of Morison approach with CFD modelling on a surface-piercing cylinder towards the investigation of FOWT Hydrodynamics. <i>Ocean Engineering</i> , 2022, 251, 111042.	4.3	5
3	Probing Multiscale Structure and Dynamics of Waxy Crude Oil by Low-Field NMR, X-ray Scattering, and Optical Microscopy. <i>Energy & Fuels</i> , 2020, 34, 12429-12439.	5.1	5
4	Numerical Wave Tank Including a Fixed Vertical Cylinder Subjected to Waves, Towards the Investigation of Floating Offshore Wind Turbine Hydrodynamics. , 2020, , .		0
5	Differential Scanning Calorimetry contribution to a better understanding of the aging of gelled waxy crude oils. <i>Oil and Gas Science and Technology</i> , 2019, 74, 16.	1.4	4
6	Heat transfer in a fixed bed of particles for energy storage: a multi-scale numerical study. , 2018, , .		0
7	Yield Stress and Minimum Pressure for Simulating the Flow Restart of a Waxy Crude Oil Pipeline. <i>Energy & Fuels</i> , 2017, 31, 395-407.	5.1	33
8	Accuracy of Finite Volume/Staggered Grid Distributed Lagrange Multiplier/Fictitious Domain simulations of particulate flows. <i>Computers and Fluids</i> , 2015, 115, 154-172.	2.5	48
9	Modeling the rheological behavior of waxy crude oils as a function of flow and temperature history. <i>Journal of Rheology</i> , 2015, 59, 703-732.	2.6	57
10	Reversible and irreversible destructuring flow in waxy oils: An MRI study. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 220, 77-86.	2.4	39
11	Direct Numerical Simulation of Heat Transfer in Fluidized Bed for Thermal Energy Storage. , 2015, , .		0
12	A three-dimensional discrete-grain model for the simulation of dam-break rectangular collapses: comparison between numerical results and experiments. <i>Granular Matter</i> , 2012, 14, 381-392.	2.2	69
13	Grains3D, a flexible DEM approach for particles of arbitrary convex shape " Part I: Numerical model and validations. <i>Powder Technology</i> , 2012, 224, 374-389.	4.2	149
14	A 1.5D numerical model for the start up of weakly compressible flow of a viscoplastic and thixotropic fluid in pipelines. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 159, 81-94.	2.4	114
15	Start-up of Gelled Waxy Crude Oil Pipelines: A New Analytical Relation to Predict the Restart Pressure. , 2009, , .		16
16	A 1.5D Numerical Model for Weakly Compressible Viscoplastic and Thixotropic Flows: Application to the Start-up of Waxy Crude Oils in Pipeline. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	1
17	Start-up transients and efficient computation of isothermal waxy crude oil flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 143, 141-156.	2.4	92
18	Compressible displacement of waxy crude oils in long pipeline startup flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 147, 45-64.	2.4	57

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19	Numerical simulation of weakly compressible Bingham flows: The restart of pipeline flows of waxy crude oils. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 136, 93-105.	2.4	128
20	Numerical simulation of non-isothermal viscoplastic waxy crude oil flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2005, 128, 144-162.	2.4	86