

Hugh P Rice

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

108
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

75
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring particle concentration in multiphase pipe flow using acoustic backscatter: Generalization of the dual-frequency inversion method. Journal of the Acoustical Society of America, 2014, 136, 156-169.	1.1	22
2	Measurement of particle concentration in horizontal, multiphase pipe flow using acoustic methods: Limiting concentration and the effect of attenuation. Chemical Engineering Science, 2015, 126, 745-758.	3.8	20
3	The influence of system scale on impinging jet sediment erosion: Observed using novel and standard measurement techniques. Chemical Engineering Research and Design, 2013, 91, 722-734.	5.6	15
4	Constraints on the functional form of the critical deposition velocity in solid-liquid pipe flow at low solid volume fractions. Chemical Engineering Science, 2015, 126, 759-770.	3.8	11
5	Measurement and density normalisation of acoustic attenuation and backscattering constants of arbitrary suspensions within the Rayleigh scattering regime. Applied Acoustics, 2019, 146, 9-22.	3.3	10
6	Extending estimation of the critical deposition velocity in solid-liquid pipe flow to ideal and non-ideal particles at low and intermediate solid volume fractions. Chemical Engineering Science, 2020, 211, 115308.	3.8	10
7	Acoustic Method for Determination of the Thermal Properties of Nanofluids. Industrial & Engineering Chemistry Research, 2019, 58, 19719-19731.	3.7	9
8	The influence of relative fluid depth on initial bedform dynamics in closed, horizontal pipe flow. International Journal of Multiphase Flow, 2017, 93, 1-16.	3.4	7
9	Development of a real-time acoustic backscatter system for solids concentration measurement during nuclear waste cleanup. , 2015, , .		2
10	Extending acoustic in-line pipe rheometry and friction factor modeling to low-Reynolds number, non-Newtonian slurries. AIChE Journal, 2020, 66, e16268.	3.6	2