Majid Rajabi

List of Publications by Year
in descending order

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26	470	687363 13	713466 21
papers	citations	h-index	g-index

26	26	26	288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CFDâ€“DEM approach to investigate the effect of drill pipe rotation on cuttings transport behavior. Journal of Petroleum Science and Engineering, 2015, 127, 229-244.	4.2	126
2	CFD-DEM simulation of the hole cleaning process in a deviated well drilling: The effects of particle shape. Particuology, 2016, 25, 72-82.	3.6	73
3	CFD-DEM modeling of cuttings transport in underbalanced drilling considering aerated mud effects and downhole conditions. Journal of Petroleum Science and Engineering, 2018, 160, 229-246.	4.2	35
4	Interaction of a plane progressive sound wave with anisotropic cylindrical shells. Composite Structures, 2014, 116, 747-760.	5.8	23
5	Acoustic manipulation of oscillating spherical bodies: Emergence of axial negative acoustic radiation force. Journal of Sound and Vibration, 2016, 383, 265-276.	3.9	23
6	Acoustic manipulation of active spherical carriers: Generation of negative radiation force. Annals of Physics, 2016, 372, 182-200.	2.8	18
7	Acoustic radiation force control: Pulsating spherical carriers. Ultrasonics, 2018, 83, 146-156.	3.9	18
8	Acoustic scattering from submerged laminated composite cylindrical shells. Composite Structures, 2015, 128, 395-405.	5.8	17
9	An exploration in acoustic radiation force experienced by cylindrical shells via resonance scattering theory. Ultrasonics, 2014, 54, 971-980.	3.9	16
10	CFDâ€“DEM Model for Simulation of Non-spherical Particles in Hole Cleaning Process. Particulate Science and Technology, 2015, 33, 472-481.	2.1	15
11	Simulation of proppant transport at intersection of hydraulic fracture and natural fracture of wellbores using CFD-DEM. Particuology, 2022, 63, 112-124.	3.6	15
12	Acoustic manipulation: Bessel beams and active carriers. Physical Review E, 2017, 96, 043001.	2.1	14
13	Active Acoustic Cloaking Spherical Shells. Acta Acustica United With Acustica, 2018, 104, 5-12.	0.8	13
14	On the contribution of circumferential resonance modes in acoustic radiation force experienced by cylindrical shells. Journal of Sound and Vibration, 2014, 333, 5746-5761.	3.9	10
15	A method and apparatus for determination of the ultrasonic-assisted forming limit diagram. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 7062-7073.	2.1	10
16	Simulation of the interaction between nonspherical particles within the CFDâ€“DEM framework via multisphere approximation and rolling resistance method. Particulate Science and Technology, 2016, 34, 381-391.	2.1	8
17	Acoustic Manipulation of a Liquid-filled Spherical Shell Activated with an Internal Spherical Oscillator. Acta Acustica United With Acustica, 2017, 103, 210-218.	0.8	8
18	Self-motile swimmers: Ultrasound driven spherical model. Ultrasonics, 2018, 86, 1-5.	3.9	7

#	Article	IF	Citations
19	On the particleâ€“particle contact effects on the hole cleaning process via a CFDâ€“DEM model. Particulate Science and Technology, 2016, 34, 736-743.	2.1	5
20	Ultrasound focuser: A multi-cylindrical source configuration and entrapped particles dynamics. Ultrasonics, 2019, 97, 38-45.	3.9	3
21	Acoustic steering of active spherical carriers. Ultrasonics, 2020, 105, 106112.	3.9	3
22	Computer simulation of the effect of particle stiffness coefficient on the particle-fluid flows. Particulate Science and Technology, 2022, 40, 233-242.	2.1	3
23	Point Source Stimulated Acoustic Radiation of Cylindrical Shells: Resonance and Background Fields. Acta Acustica United With Acustica, 2014, 100, 215-225.	0.8	2
24	Wave propagation characteristics of helically orthotropic cylindrical shells and resonance emergence in scattered acoustic field. Part 1. Formulations. Acoustical Physics, 2016, 62, 292-299.	1.0	2
25	Acoustic active two body clusters. Journal of Sound and Vibration, 2018, 429, 34-44.	3.9	2
26	Wave propagation characteristics of helically orthotropic cylindrical shells and resonance emergence in scattered acoustic field. Part 2. Numerical results. Acoustical Physics, 2016, 62, 523-531.	1.0	1