

Neil Cagney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3097327/publications.pdf>

Version: 2024-02-01

27
papers

394
citations

759233

12
h-index

794594

19
g-index

27
all docs

27
docs citations

27
times ranked

393
citing authors

#	ARTICLE	IF	CITATIONS
1	Wake modes of a cylinder undergoing free streamwise vortex-induced vibrations. <i>Journal of Fluids and Structures</i> , 2013, 38, 127-145.	3.4	51
2	Streamwise vortex-induced vibrations of cylinders with one and two degrees of freedom. <i>Journal of Fluid Mechanics</i> , 2014, 758, 702-727.	3.4	42
3	The efficacy of an extraoral scavenging device on reduction of splatter contamination during dental aerosol generating procedures: an exploratory study. <i>British Dental Journal</i> , 2020, , .	0.6	31
4	Taylor-Couette flow of shear-thinning fluids. <i>Physics of Fluids</i> , 2019, 31, .	4.0	28
5	Mode competition in streamwise-only vortex induced vibrations. <i>Journal of Fluids and Structures</i> , 2013, 41, 156-165.	3.4	25
6	Temperature and velocity measurements of a rising thermal plume. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 579-599.	2.5	15
7	Influence of Shear-Thinning Rheology on the Mixing Dynamics in Taylor-Couette Flow. <i>Chemical Engineering and Technology</i> , 2019, 42, 1680-1690.	1.5	15
8	Vortex merging and splitting: A route to elastoinertial turbulence in Taylor-Couette flow. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	15
9	Effects of cell motility and morphology on the rheology of algae suspensions. <i>Journal of Applied Phycology</i> , 2017, 29, 1145-1157.	2.8	14
10	On multiple manifestations of the second response branch in streamwise vortex-induced vibrations. <i>Physics of Fluids</i> , 2013, 25, .	4.0	13
11	Taylor-Couette flow of polymer solutions with shear-thinning and viscoelastic rheology. <i>Journal of Fluid Mechanics</i> , 2020, 905, .	3.4	13
12	Mixing in flows past confined microfluidic cylinders: Effects of pin and fluid interface offsetting. <i>Chemical Engineering Journal</i> , 2020, 397, 125358.	12.7	13
13	Lagrangian structures and mixing in the wake of a streamwise oscillating cylinder. <i>Physics of Fluids</i> , 2016, 28, .	4.0	12
14	Fluid forces acting on a cylinder undergoing streamwise vortex-induced vibrations. <i>Journal of Fluids and Structures</i> , 2016, 62, 147-155.	3.4	12
15	Mode decomposition and Lagrangian structures of the flow dynamics in orbitally shaken bioreactors. <i>Physics of Fluids</i> , 2018, 30, .	4.0	12
16	Quantitative analysis of particulate matter release during orthodontic procedures: a pilot study. <i>British Dental Journal</i> , 2020, , .	0.6	12
17	Shear-thinning mediation of elasto-inertial Taylor-Couette flow. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	3.4	11
18	Swirl flow bioreactor containing dendritic copper-containing alginate beads: A potential rapid method for the eradication of <i>Escherichia coli</i> from waste water streams. <i>Journal of Water Process Engineering</i> , 2015, 5, 6-14.	5.6	10

#	ARTICLE	IF	CITATIONS
19	Taylor-Couette instability in disk suspensions: Experimental observation and theory. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	10
20	Probing vortex-shedding at high frequencies in flows past confined microfluidic cylinders using high-speed microscale particle image velocimetry. <i>Physics of Fluids</i> , 2019, 31, .	4.0	9
21	The role of the separation point in streamwise vortex-induced vibrations. <i>Journal of Fluids and Structures</i> , 2019, 86, 316-328.	3.4	9
22	Fallow time determination in dentistry using aerosol measurement in mechanically and non-mechanically ventilated environments. <i>British Dental Journal</i> , 2021, , .	0.6	8
23	Constraining the source of mantle plumes. <i>Earth and Planetary Science Letters</i> , 2016, 435, 55-63.	4.4	7
24	The coupled effects of mantle mixing and a water-dependent viscosity on the surface ocean. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115881.	4.4	3
25	Dynamics and excess temperature of a plume throughout its life cycle. <i>Geophysical Journal International</i> , 2016, 205, 1574-1588.	2.4	2
26	Modulation of elasto-inertial transitions in Taylor-Couette flow by small particles. <i>Journal of Fluid Mechanics</i> , 2021, 929, .	3.4	2
27	Development of Vortex Bioreactor Technology for Decentralised Water Treatment. , 2017, , .		0