Richard M Lueptow

List of Publications by Year
in descending order

190	6,155	57719	95218
papers	citations	44 h-index	68 g-index

194	194	194	3820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular insights into charged nanofiltration membranes: Structure, water transport, and water diffusion. Journal of Membrane Science, 2022, 644, 120057.	4.1	14
2	Mechanisms for recirculation cells in granular flows in rotating cylindrical rough tumblers. Physical Review E, 2022, 105, 014901.	0.8	2
3	Segregation forces in dense granular flows: closing the gap between single intruders and mixtures. Journal of Fluid Mechanics, 2022, 935, .	1.4	4
4	Potentialities and limitations of machine learning to solve cut-and-shuffle mixing problems: A case study. Chemical Engineering Science, 2022, 260, 117840.	1.9	0
5	Modeling granular segregation for overlapping species distributions. Chemical Engineering Science, 2021, 231, 116259.	1.9	9
6	Exploring shear-induced segregation in controlled-velocity granular flows. EPJ Web of Conferences, 2021, 249, 03012.	0.1	1
7	Designing non-segregating granular mixtures. EPJ Web of Conferences, 2021, 249, 03011.	0.1	2
8	Predicting segregation of nonspherical particles. Physical Review Fluids, 2021, 6, .	1.0	6
9	Modelling segregation of bidisperse granular mixtures varying simultaneously in size and density for free surface flows. Journal of Fluid Mechanics, 2021, 918, .	1.4	14
10	A unified description of gravity- and kinematics-induced segregation forces in dense granular flows. Journal of Fluid Mechanics, 2021, 925, .	1.4	15
11	Particle capture in a model chaotic flow. Physical Review E, 2021, 104, 064203.	0.8	1
12	Granular flow in a wedgeâ€shaped heap: Velocity field, kinematic scalings, and segregation. AICHE Journal, 2020, 66, e16912.	1.8	9
13	Modeling segregation of polydisperse granular materials in hopper discharge. Powder Technology, 2020, 374, 389-398.	2.1	9
14	Identifying invariant ergodic subsets and barriers to mixing by cutting and shuffling: Study in a birotated hemisphere. Physical Review E, 2020, 101, 012204.	0.8	2
15	Axisymmetric granular flow on a bounded conical heap: Kinematics and size segregation. Chemical Engineering Science, 2020, 217, 115505.	1.9	13
16	Measuring segregation characteristics of industrially relevant granular mixtures: Part I â€“ A continuum model approach. Powder Technology, 2020, 368, 190-201.	2.1	3
17	Measuring segregation characteristics of industrially relevant granular mixtures: Part II â€“ Experimental application and validation. Powder Technology, 2020, 368, 278-285.	2.1	4
18	Segregation models for density-bidisperse granular flows. Physical Review Fluids, 2020, 5, .	1.0	14

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19	Rising and sinking intruders in dense granular flows. Physical Review Research, 2020, 2, .	1.3	29
20	Remarkable simplicity in the prediction of nonspherical particle segregation. Physical Review Research, 2020, 2, .	1.3	11
21	Cutting and shuffling a hemisphere: Nonorthogonal axes. Physical Review E, 2019, 99, 032204.	0.8	4
22	Pattern formation in a fully three-dimensional segregating granular flow. Physical Review E, 2019, 99, 062905.	0.8	4
23	Discrete element simulation of cylindrical particles using super-ellipsoids. Particuology, 2019, 46, 55-66.	2.0	49
24	Modeling Segregation in Granular Flows. Annual Review of Chemical and Biomolecular Engineering, 2019, 10, 129-153.	3.3	56
25	The geometry of cutting and shuffling: An outline of possibilities for piecewise isometries. Physics Reports, 2019, 802, 1-22.	10.3	4
26	Granular segregation induced by a moving subsurface blade. Physical Review E, 2019, 100, 052902.	0.8	1
27	Continuum modeling of granular segregation during hopper discharge. Chemical Engineering Science, 2019, 193, 188-204.	1.9	34
28	Modeling segregation of polydisperse granular materials in developing and transient freeâ€surface flows. AICHE Journal, 2019, 65, 882-893.	1.8	15
29	Diffusion, mixing, and segregation in confined granular flows. AICHE Journal, 2019, 65, 875-881.	1.8	36
30	Simulation and modeling of segregating rods in quasiâ€2D bounded heap flow. AICHE Journal, 2018, 64, 1550-1563.	1.8	32
31	Continuum modelling of segregating tridisperse granular chute flow. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170384.	1.0	15
32	Unsteady flows and inhomogeneous packing in damp granular heap flows. Physical Review E, 2018, 98, .	0.8	8
33	Optimized Mixing by Cutting-and-Shuffling. SIAM Journal on Applied Dynamical Systems, 2018, 17, 2544-2573.	0.7	3
34	Effect of pressure on segregation in granular shear flows. Physical Review E, 2018, 97, 062906.	0.8	31
35	Persistent structures in a three-dimensional dynamical system with flowing and non-flowing regions. Nature Communications, 2018, 9, 3122.	5.8	8
36	Recirculation cells for granular flow in cylindrical rotating tumblers. Physical Review E, 2018, 97, 052904.	0.8	4

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37	Asymmetric concentration dependence of segregation fluxes in granular flows. Physical Review Fluids, 2018, 3, .	1.0	35
38	Controlling granular segregation using modulated flow. Powder Technology, 2017, 312, 360-368.	2.1	16
39	Segregation of granular materials in bounded heap flow: A review. Powder Technology, 2017, 312, 67-88.	2.1	65
40	Transient response in granular quasi-two-dimensional bounded heap flow. Physical Review E, 2017, 96, 040902.	0.8	5
41	Mixing and transport from combined stretching-and-folding and cutting-and-shuffling. Physical Review E, 2017, 96, 042213.	0.8	9
42	Wave propagation reversal for wavy vortices in wide-gap counter-rotating cylindrical Couette flow. Physical Review E, 2017, 95, 053103.	0.8	1
43	Mixing and the fractal geometry of piecewise isometries. Physical Review E, 2017, 95, 042208.	0.8	9
44	Predicting mixing via resonances: Application to spherical piecewise isometries. Physical Review E, 2017, 95, 062210.	0.8	10
45	Linear and weakly nonlinear analyses of cylindrical Couette flow with axial and radial flows. Journal of Fluid Mechanics, 2017, 824, 438-476.	1.4	13
46	Axial segregation in spherical and cylindrical rotating tumblers. EPJ Web of Conferences, 2017, 140, 03011.	0.1	1
47	Modeling Segregation in Modulated Granular Flow. EPJ Web of Conferences, 2017, 140, 03018.	0.1	5
48	A continuum approach for predicting segregation in flowing polydisperse granularÂmaterials. Journal of Fluid Mechanics, 2016, 797, 95-109.	1.4	45
49	Cutting and Shuffling of a Line Segment: Effect of Variation in Cut Location. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1630038.	0.7	10
50	Modelling density segregation in flowing bidisperse granular materials. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150856.	1.0	49
51	Influence of rough and smooth walls on macroscale granular segregation patterns. Physical Review E, 2016, 93, 022906.	0.8	12
52	Mixing with piecewise isometries on a hemispherical shell. Chaos, 2016, 26, 073115.	1.0	16
53	Dynamics of water and solute transport in polymeric reverse osmosis membranes via molecular dynamics simulations. Journal of Membrane Science, 2016, 506, 95-108.	4.1	132
54	Rejection mechanisms for contaminants in polyamide reverse osmosis membranes. Journal of Membrane Science, 2016, 509, 36-47.	4.1	57

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55	A Parametric Study of Mixing in a Granular Flow a Biaxial Spherical Tumbler. Springer Proceedings in Mathematics and Statistics, 2016, , 143-154.	0.1	0
56	Influence of rough and smooth walls on macroscale flows in tumblers. Physical Review E, 2015, 92, 062202.	0.8	11
57	Shear-Rate-Independent Diffusion in Granular Flows. Physical Review Letters, 2015, 115, 088001.	2.9	45
58	On Mixing and Segregation: From Fluids and Maps to Granular Solids and Advectionâ€“Diffusion Systems. Industrial & Engineering Chemistry Research, 2015, 54, 10465-10471.	1.8	9
59	Modeling segregation of bidisperse granular materials using physical control parameters in the quasiâ€2D bounded heap. AICHE Journal, 2015, 61, 1524-1534.	1.8	56
60	Granular segregation in circular tumblers: theoretical model and scaling laws. Journal of Fluid Mechanics, 2015, 765, 632-652.	1.4	68
61	Mechanisms for the transition to waviness for Taylor vortices. Physics of Fluids, 2014, 26, .	1.6	20
62	Competitive autocatalytic reactions in chaotic flows with diffusion: Prediction using finite-time Lyapunov exponents. Chaos, 2014, 24, 013109.	1.0	8
63	Modelling size segregation of granular materials: the roles of segregation, advection and diffusion. Journal of Fluid Mechanics, 2014, 741, 252-279.	1.4	111
64	A 3D pseudospectral algorithm for fluid flows with permeable walls. Application to filtration. Computers and Fluids, 2014, 93, 129-145.	1.3	8
65	A Study in Three-Dimensional Chaotic Dynamics: Granular Flow and Transport in a Bi-Axial Spherical Tumbler. SIAM Journal on Applied Dynamical Systems, 2014, 13, 901-943.	0.7	19
66	Modeling granular materials: A test bed for framing and analysis. AICHE Journal, 2013, 59, 3237-3246.	1.8	4
67	Kinematics of monodisperse and bidisperse granular flows in quasi-two-dimensional bounded heaps. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2013, 469, 20130235.	1.0	45
68	A mapping method for distributive mixing with diffusion: Interplay between chaos and diffusion in time-periodic sine flow. Physics of Fluids, 2013, 25, .	1.6	20
69	Public face and private thrift in <scp>C</scp>hinese consumer behaviour. International Journal of Consumer Studies, 2013, 37, 538-545.	7.2	24
70	Slow axial drift in three-dimensional granular tumbler flow. Physical Review E, 2013, 88, 012208.	0.8	17
71	Parameters and scalings for dry and immersed granular flowing layers in rotating tumblers. Physical Review E, 2012, 86, 011304.	0.8	37
72	CUTTING AND SHUFFLING A LINE SEGMENT: MIXING BY INTERVAL EXCHANGE TRANSFORMATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230041.	0.7	16

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73	Stratification, segregation, and mixing of granular materials in quasi-two-dimensional bounded heaps. Physical Review E, 2012, 86, 051305.	0.8	57
74	Quantitative Acoustic Relaxational Spectroscopy for real-time monitoring of natural gas: A perspective on its potential. Sensors and Actuators B: Chemical, 2012, 169, 121-127.	4.0	36
75	Incorporating Darcy's law for pure solvent flow through porous tubes: Asymptotic solution and numerical simulations. AICHE Journal, 2012, 58, 2030-2044.	1.8	21
76	Mixing by cutting and shuffling 3D granular flow in spherical tumblers. Chemical Engineering Science, 2012, 73, 195-207.	1.9	23
77	Stretching and folding versus cutting and shuffling: An illustrated perspective on mixing and deformations of continua. American Journal of Physics, 2011, 79, 359-367.	0.3	18
78	Transition to centrifuging granular flow in rotating tumblers: a modified Froude number. New Journal of Physics, 2011, 13, 053055.	1.2	27
79	Granular axial band formation in rotating tumblers: a discrete element method study. New Journal of Physics, 2011, 13, 055021.	1.2	38
80	From streamline jumping to strange eigenmodes: Bridging the Lagrangian and Eulerian pictures of the kinematics of mixing in granular flows. Physics of Fluids, 2011, 23, 103302.	1.6	27
81	Pressure-driven radial flow in a Taylorâ€“Couette cell. Journal of Fluid Mechanics, 2010, 660, 527-537.	1.4	15
82	Granular coarsening: Phase space and evolution analogies. Physical Review E, 2010, 81, 012301.	0.8	4
83	Onset Mechanism for Granular Axial Band Formation in Rotating Tumblers. Physical Review Letters, 2010, 104, 188002.	2.9	45
84	Streamline jumping: A mixing mechanism. Physical Review E, 2010, 81, 046307.	0.8	21
85	Chaotic mixing via streamline jumping in quasi-two-dimensional tumbled granular flows. Chaos, 2010, 20, 023102.	1.0	21
86	Mixing by cutting and shuffling. Europhysics Letters, 2010, 91, 20003.	0.7	30
87	Inversion of Band Patterns in Spherical Tumblers. Physical Review Letters, 2009, 102, 148001.	2.9	26
88	Unsteady granular flows in a rotating tumbler. Physical Review E, 2009, 80, 031302.	0.8	9
89	Absolute and convective instability of cylindrical Couette flow with axial and radial flows. Physics of Fluids, 2009, 21, .	1.6	26
90	Controlling biofilm growth using reactive ceramic ultrafiltration membranes. Journal of Membrane Science, 2009, 342, 263-268.	4.1	43

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91	Inertial Effects on Chaotic Advection and Mixing in a 2D Cavity Flow. Industrial & Engineering Chemistry Research, 2009, 48, 2436-2442.	1.8	13
92	Bacterial attachment on reactive ceramic ultrafiltration membranes. Journal of Membrane Science, 2008, 320, 101-107.	4.1	73
93	Coarsening of granular segregation patterns in quasi-two-dimensional tumblers. Nature Physics, 2008, 4, 244-248.	6.5	32
94	Single-Walled Carbon Nanotube-Facilitated Dispersion of Particulate TiO₂ on ZrO₂ Ceramic Membrane Filters. Langmuir, 2008, 24, 7072-7075.	1.6	16
95	Photoreactive TiO₂/Carbon Nanotube Composites: Synthesis and Reactivity. Environmental Science & Technology, 2008, 42, 4952-4957.	4.6	535
96	On Mixing and Demixing. Science, 2008, 319, 912-913.	6.0	35
97	Stability of Taylorâ€“Couette flow in a finite-length cavity with radial throughflow. Physics of Fluids, 2008, 20, .	1.6	31
98	Subsurface granular flow in rotating tumblers: A detailed computational study. Physical Review E, 2008, 78, 021303.	0.8	34
99	Axial band scaling for bidisperse mixtures in granular tumblers. Physical Review E, 2008, 78, 031306.	0.8	26
100	Behavior of flowing granular materials under variableg. Physical Review E, 2007, 75, 032301.	0.8	31
101	Time scales for transition in Taylor-Couette flow. Physics of Fluids, 2007, 19, 054103.	1.6	15
102	A dynamical systems approach to mixing and segregation of granular materials in tumblers. Advances in Physics, 2007, 56, 757-827.	35.9	131
103	Geometric effects of mixing in 2D granular tumblers using discrete models. AICHE Journal, 2007, 53, 1151-1158.	1.8	18
104	Fouling in a high pressure, high recovery rotating reverse osmosis system. Desalination, 2007, 212, 1-14.	4.0	4
105	Atmospheric acoustics of Titan, Mars, Venus, and Earth. Icarus, 2007, 186, 413-419.	1.1	41
106	Surface velocity in three-dimensional granular tumblers. Journal of Fluid Mechanics, 2006, 560, 355.	1.4	25
107	Fundamental Characteristics of Granular Flow Under Variable g-Levels. , 2006, , 1.		0
108	Concentration of colloidal silica suspensions using fluorescence spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 277, 107-110.	2.3	8

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109	Rotating reverse osmosis and spiral wound reverse osmosis filtration: A comparison. Journal of Membrane Science, 2006, 285, 353-361.	4.1	13
110	The reaction of a fire plume to a droplet spray. Fire Safety Journal, 2006, 41, 390-398.	1.4	19
111	Urease immobilization on an ion-exchange textile for urea hydrolysis. Journal of Chemical Technology and Biotechnology, 2006, 81, 940-950.	1.6	16
112	A Simplified Model of the Effect of a Fire Sprinkler Spray on a Buoyant Fire Plume. Journal of Fire Protection Engineering, 2006, 16, 131-153.	0.8	3
113	A prototype acoustic gas sensor based on attenuation. Journal of the Acoustical Society of America, 2006, 120, 1779-1782.	0.5	43
114	Creeping granular motion under variable gravity levels. Physical Review E, 2006, 74, 031307.	0.8	19
115	Surface roughness effects in granular matter: Influence on angle of repose and the absence of segregation. Physical Review E, 2006, 73, 031304.	0.8	103
116	Capturing patterns and symmetries in chaotic granular flow. Physical Review E, 2006, 74, 031310.	0.8	26
117	End-wall effects in granular tumblers: From quasi-two-dimensional flow to three-dimensional flow. Physical Review E, 2006, 74, 031305.	0.8	44
118	EFFECT OF A FIRE PLUME ON SUPPRESSION SPRAY DROPLET MOTION. , 2006, 16, 563-578.		6
119	Removal of organic contaminants by RO and NF membranes. Journal of Membrane Science, 2005, 261, 76-86.	4.1	160
120	Regimes of segregation and mixing in combined size and density granular systems: an experimental study. Granular Matter, 2005, 7, 69-81.	1.1	140
121	Reverse Osmosis Filtration for Ersatz Space Mission Wastewaters. , 2005, , .		0
122	Fine-tuning molecular acoustic models: sensitivity of the predicted attenuation to the Lennardâ€“Jones parameters. Journal of the Acoustical Society of America, 2005, 117, 175-184.	0.5	33
123	Creeping motion in granular flow. Physical Review E, 2005, 71, 031304.	0.8	30
124	Combined size and density segregation and mixing in noncircular tumblers. Physical Review E, 2005, 71, 051301.	0.8	71
125	Synthesizing Primary Molecular Relaxation Processes in Excitable Gases Using a Two-Frequency Reconstructive Algorithm. Physical Review Letters, 2005, 94, 238301.	2.9	33
126	Model Predictions and Experiments for Rotating Reverse Osmosis for Space Mission Water Reuse. Separation Science and Technology, 2005, 39, 539-561.	1.3	8

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127	Reverse osmosis membrane rejection for ersatz space mission wastewaters. Water Research, 2005, 39, 3298-3308.	5.3	21
128	Dynamics of granular band formation: Long-term behavior in slurries, parameter space, and tilted cylinders. Physical Review E, 2005, 71, 011306.	0.8	45
129	Wastewater Reclamation for a Manned Mars Mission Using High-Pressure Rotating Reverse Osmosis. , 2005, , .		1
130	CHARACTERIZATION OF FIRE SPRINKLER SPRAYS USING PARTICLE IMAGE VELOCIMETRY. , 2005, 15, 341-362.		9
131	High Pressure Rotating Reverse Osmosis for Wastewater Recycling in Long Term Space Missions. , 2004, , .		2
132	Interaction of wavy cylindrical Couette flow with endwalls. Physics of Fluids, 2004, 16, 1140-1148.	1.6	16
133	Ekman vortices and the centrifugal instability in counter-rotating cylindrical Couette flow. Theoretical and Computational Fluid Dynamics, 2004, 18, 151-168.	0.9	10
134	Computer-aided calibration of X-probes using a look-up table. Experiments in Fluids, 2004, 6, 115-118.	1.1	78
135	Effect of interstitial fluid on a granular flowing layer. Journal of Fluid Mechanics, 2004, 508, 23-44.	1.4	73
136	Rotating Membrane Filtration and Rotating Reverse Osmosis. Journal of Chemical Engineering of Japan, 2004, 37, 471-482.	0.3	18
137	Rotating reverse osmosis for water recovery in space: influence of operational parameters on RO performance. Desalination, 2004, 169, 109-120.	4.0	9
138	Control of scale formation in reverse osmosis by membrane rotation. Desalination, 2003, 155, 131-139.	4.0	33
139	Interaction between Ekman pumping and the centrifugal instability in Taylorâ€“Couette flow. Physics of Fluids, 2003, 15, 467-477.	1.6	52
140	Diffraction and attenuation of a tone burst in mono-relaxing media. Journal of the Acoustical Society of America, 2003, 114, 1416-1423.	0.5	1
141	Acoustic attenuation in gas mixtures with nitrogen: Experimental data and calculations. Journal of the Acoustical Society of America, 2003, 113, 1871-1879.	0.5	70
142	Three-dimensional velocity field for wavy Taylorâ€“Couette flow. Physics of Fluids, 2003, 15, 947-960.	1.6	50
143	Theory for a gas composition sensor based on acoustic properties. Measurement Science and Technology, 2003, 14, 70-75.	1.4	46
144	Hydrodynamic stability of a suspension in cylindrical Couette flow. Physics of Fluids, 2002, 14, 1236-1243.	1.6	27

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145	An experimental study of the flowing granular layer in a rotating tumbler. Physics of Fluids, 2002, 14, 572-582.	1.6	151
146	Space Mission Wastewater Recovery System Using Rotating Reverse Osmosis: Process Simulation. , 2002, , .		0
147	Spiral and Wavy Vortex Flows in Short Counter-Rotating Taylor-Couette Cells. Theoretical and Computational Fluid Dynamics, 2002, 16, 5-15.	0.9	30
148	A model of flapping motion in a plane jet. European Journal of Mechanics, B/Fluids, 2002, 21, 171-183.	1.2	8
149	Chaotic mixing and transport in wavy Taylorâ€“Couette flow. Physica D: Nonlinear Phenomena, 2002, 167, 183-196.	1.3	26
150	Design parameters for rotating cylindrical filtration. Journal of Membrane Science, 2002, 204, 53-65.	4.1	38
151	Particleâ€“fluid velocities and fouling in rotating filtration of a suspension. Journal of Membrane Science, 2002, 209, 469-484.	4.1	36
152	Experimental verification of a model for rotating reverse osmosis. Desalination, 2002, 146, 353-359.	4.0	21
153	Self-Organization in Granular Slurries. Physical Review Letters, 2001, 86, 3771-3774.	2.9	45
154	Membrane Rejection of Nitrogen Compounds. Environmental Science & Technology, 2001, 35, 3008-3018.	4.6	91
155	Reverse osmosis filtration for space mission wastewater: membrane properties and operating conditions. Journal of Membrane Science, 2001, 182, 77-90.	4.1	93
156	Rotating reverse osmosis: a dynamic model for flux and rejection. Journal of Membrane Science, 2001, 192, 129-143.	4.1	43
157	Identification of complex flows in Taylorâ€“Couette counter-rotating cavities. Comptes Rendus Mecanique, 2001, 329, 727-733.	0.2	0
158	Non-Intrusive Measurements in Fire Sprinkler Sprays. Fire Technology, 2001, 37, 297-315.	1.5	12
159	Acoustic attenuation in three-component gas mixturesâ€”Theory. Journal of the Acoustical Society of America, 2001, 109, 1955-1964.	0.5	64
160	Acoustic attenuation in a three-gas mixture: Results. Journal of the Acoustical Society of America, 2001, 110, 2974-2979.	0.5	32
161	PIV for granular flows. Experiments in Fluids, 2000, 28, 183-186.	1.1	93
162	Stability and experimental velocity field in Taylorâ€”Couette flow with axial and radial flow. Lecture Notes in Physics, 2000, , 137-155.	0.3	3

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163	Inertial particle motion in a Taylor Couette rotating filter. Physics of Fluids, 1999, 11, 325-333.	1.6	71
164	Transient positively and negatively buoyant turbulent round jets. Experiments in Fluids, 1999, 27, 117-125.	1.1	51
165	Velocity field for Taylorâ€“Couette flow with an axial flow. Physics of Fluids, 1999, 11, 3637-3649.	1.6	106
166	Spanwise structure of wall pressure on a cylinder in axial flow. Physics of Fluids, 1999, 11, 151-161.	1.6	11
167	The boundary layer on a slightly yawed cylinder. Experiments in Fluids, 1998, 25, 487-490.	1.1	16
168	A model of mixing and transport in wavy Taylor-Couette flow. Physica D: Nonlinear Phenomena, 1998, 121, 163-174.	1.3	28
169	Spatio-temporal character of non-wavy and wavy Taylorâ€“Couette flow. Journal of Fluid Mechanics, 1998, 364, 59-80.	1.4	140
170	Pressure and shear stress measurements at the wall in a turbulent boundary layer on a cylinder. Physics of Fluids, 1997, 9, 2732-2739.	1.6	24
171	Hydrodynamic stability of flow between rotating porous cylinders with radial and axial flow. Physics of Fluids, 1997, 9, 3687-3696.	1.6	31
172	Flow in a Rotating Membrane Plasma Separator. ASAIO Journal, 1995, 41, 182-188.	0.9	25
173	Wall pressure and coherent structures in a turbulent boundary layer on a cylinder in axial flow. Journal of Fluid Mechanics, 1995, 286, 137-171.	1.4	57
174	Transducer resolution and the turbulent wall pressure spectrum. Journal of the Acoustical Society of America, 1995, 97, 370-378.	0.5	55
175	Acoustic sensor for determining combustion properties of natural gas. Measurement Science and Technology, 1994, 5, 1375-1381.	1.4	18
176	Hydrodynamic stability of viscous flow between rotating porous cylinders with radial flow. Physics of Fluids, 1994, 6, 144-151.	1.6	57
177	Circular Couette flow with pressure-driven axial flow and a porous inner cylinder. Experiments in Fluids, 1994, 17, 190-197.	1.1	23
178	Wall shear stress and velocity in a turbulent axisymmetric boundary layer. Journal of Fluid Mechanics, 1994, 259, 191-218.	1.4	54
179	Student Participation, Faculty Involvement, and Costs in the NGV Challenge - A Large-Scale Automotive Design Project. Journal of Engineering Education, 1994, 83, 182-184.	1.9	0
180	Stability of axial flow in an annulus with a rotating inner cylinder. Physics of Fluids A, Fluid Dynamics, 1992, 4, 2446-2455.	1.6	121

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181	Nearâ€wall streaky structure in a turbulent boundary layer on a cylinder. Physics of Fluids A, Fluid Dynamics, 1991, 3, 2822-2824.	1.6	5
182	Turbulent boundary layer on a cylinder in axial flow. AIAA Journal, 1990, 28, 1705-1706.	1.5	23
183	The structure of the turbulent boundary layer on a cylinder in axial flow. Physics of Fluids, 1987, 30, 2993.	1.4	28
184	The eddy viscosity in a turbulent boundary layer on a cylinder. Physics of Fluids, 1986, 29, 4232.	1.4	6
185	The thick, turbulent boundary layer on a cylinder: Mean and fluctuating velocities. Physics of Fluids, 1985, 28, 3495.	1.4	49
186	Circulatory model studies of external cardiac assist by counterpulsation. Cardiovascular Research, 1981, 15, 443-455.	1.8	7
187	The NGV Challenge - Student Participation, Faculty Involvement, and Costs. , 0, , .		0
188	Acoustic Natural Gas Fuel Quality Sensor. , 0, , .		2
189	Preliminary Investigation of Generating Electricity from Wastewater via a Single-Compartment Microbial Fuel Cell. , 0, , .		0
190	Preliminary Results for an Ultrasonic Gas Monitoring System. , 0, , .		0