

# Alfredo Soldati

## List of Publications by Year in descending order

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164  
papers

5,428  
citations

87888

38  
h-index

95266

68  
g-index

173  
all docs

173  
docs citations

173  
times ranked

3223  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms for particle transfer and segregation in a turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2002, 468, 283-315.	3.4	386
2	River flood forecasting with a neural network model. <i>Water Resources Research</i> , 1999, 35, 1191-1197.	4.2	367
3	Anisotropic Particles in Turbulence. <i>Annual Review of Fluid Mechanics</i> , 2017, 49, 249-276.	25.0	230
4	Physics and modelling of turbulent particle deposition and entrainment: Review of a systematic study. <i>International Journal of Multiphase Flow</i> , 2009, 35, 827-839.	3.4	205
5	Statistics of particle dispersion in direct numerical simulations of wall-bounded turbulence: Results of an international collaborative benchmark test. <i>International Journal of Multiphase Flow</i> , 2008, 34, 879-893.	3.4	195
6	Artificial neural network approach to flood forecasting in the River Arno. <i>Hydrological Sciences Journal</i> , 2003, 48, 381-398.	2.6	173
7	Orientation, distribution, and deposition of elongated, inertial fibers in turbulent channel flow. <i>Physics of Fluids</i> , 2010, 22, .	4.0	168
8	Host-to-host airborne transmission as a multiphase flow problem for science-based social distance guidelines. <i>International Journal of Multiphase Flow</i> , 2020, 132, 103439.	3.4	137
9	Experimental investigation on interactions among fluid and rod-like particles in a turbulent pipe jet by means of particle image velocimetry. <i>Experiments in Fluids</i> , 2015, 56, 1.	2.4	120
10	Influence of gravity and lift on particle velocity statistics and transfer rates in turbulent vertical channel flow. <i>International Journal of Multiphase Flow</i> , 2007, 33, 227-251.	3.4	118
11	Direct numerical simulation of particle wall transfer and deposition in upward turbulent pipe flow. <i>International Journal of Multiphase Flow</i> , 2003, 29, 1017-1038.	3.4	115
12	Turbulence modification by large-scale organized electrohydrodynamic flows. <i>Physics of Fluids</i> , 1998, 10, 1742-1756.	4.0	114
13	Modulation of turbulence in forced convection by temperature-dependent viscosity. <i>Journal of Fluid Mechanics</i> , 2012, 697, 150-174.	3.4	109
14	Mechanisms of particle deposition in a fully developed turbulent open channel flow. <i>Physics of Fluids</i> , 2003, 15, 763-775.	4.0	105
15	Some issues concerning large-eddy simulation of inertial particle dispersion in turbulent bounded flows. <i>Physics of Fluids</i> , 2008, 20, .	4.0	88
16	ON THE EFFECTS OF ELECTROHYDRODYNAMIC FLOWS AND TURBULENCE ON AEROSOL TRANSPORT AND COLLECTION IN WIRE-PLATE ELECTROSTATIC PRECIPITATORS. <i>Journal of Aerosol Science</i> , 2000, 31, 293-305.	3.8	74
17	Characterization of near-wall accumulation regions for inertial particles in turbulent boundary layers. <i>Physics of Fluids</i> , 2005, 17, 098101.	4.0	69
18	Forecasting river flow rate during low-flow periods using neural networks. <i>Water Resources Research</i> , 1999, 35, 3547-3552.	4.2	68

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19	Rotation statistics of fibers in wall shear turbulence. <i>Acta Mechanica</i> , 2013, 224, 2311-2329.	2.1	58
20	Mechanisms for deposition and resuspension of heavy particles in turbulent flow over wavy interfaces. <i>Physics of Fluids</i> , 2006, 18, 025102.	4.0	55
21	Coalescence of surfactant-laden drops by Phase Field Method. <i>Journal of Computational Physics</i> , 2019, 376, 1292-1311.	3.8	55
22	Turbulence and internal waves in stably-stratified channel flow with temperature-dependent fluid properties. <i>Journal of Fluid Mechanics</i> , 2012, 697, 175-203.	3.4	53
23	Direct numerical simulation of turbulent particle dispersion in an unbaffled stirred-tank reactor. <i>Chemical Engineering Science</i> , 2006, 61, 2843-2851.	3.8	51
24	Influence of anisotropic permeability on convection in porous media: Implications for geological CO <sub>2</sub> sequestration. <i>Physics of Fluids</i> , 2016, 28, .	4.0	50
25	Dissolution in anisotropic porous media: Modelling convection regimes from onset to shutdown. <i>Physics of Fluids</i> , 2017, 29, .	4.0	50
26	Appraisal of three-dimensional numerical simulation for sub-micron particle deposition in a micro-porous ceramic filter. <i>Chemical Engineering Science</i> , 2005, 60, 6551-6563.	3.8	48
27	Particles turbulence interactions in boundary layers. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2005, 85, 683-699.	1.6	48
28	Direct numerical simulation of turbulent heat transfer modulation in micro-dispersed channel flow. <i>Acta Mechanica</i> , 2008, 195, 305-326.	2.1	47
29	Breakage, coalescence and size distribution of surfactant-laden droplets in turbulent flow. <i>Journal of Fluid Mechanics</i> , 2019, 881, 244-282.	3.4	46
30	Unified framework for a side-by-side comparison of different multicomponent algorithms: Lattice Boltzmann vs. phase field model. <i>Journal of Computational Physics</i> , 2013, 234, 263-279.	3.8	44
31	Particle and droplet deposition in turbulent swirled pipe flow. <i>International Journal of Multiphase Flow</i> , 2013, 56, 172-183.	3.4	43
32	Effect of Temperature Dependent Fluid Properties on Heat Transfer in Turbulent Mixed Convection. <i>Journal of Heat Transfer</i> , 2014, 136, .	2.1	43
33	Coalescence and breakup of large droplets in turbulent channel flow. <i>Physics of Fluids</i> , 2015, 27, .	4.0	43
34	Short-range exposure to airborne virus transmission and current guidelines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
35	ADE approach to predicting dispersion of heavy particles in wall-bounded turbulence. <i>International Journal of Multiphase Flow</i> , 2001, 27, 1861-1879.	3.4	42
36	Statistics of velocity and preferential accumulation of micro-particles in boundary layer turbulence. <i>Nuclear Engineering and Design</i> , 2005, 235, 1239-1249.	1.7	42

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37	Water quality control in the river Arno. <i>Water Research</i> , 2002, 36, 2673-2680.	11.3	41
38	Intrinsic filtering errors of Lagrangian particle tracking in LES flow fields. <i>Physics of Fluids</i> , 2012, 24, .	4.0	41
39	Mass-conservation-improved phase field methods for turbulent multiphase flow simulation. <i>Acta Mechanica</i> , 2019, 230, 683-696.	2.1	41
40	Mechanisms for selective radial dispersion of microparticles in the transitional region of a confined turbulent round jet. <i>International Journal of Multiphase Flow</i> , 2004, 30, 1389-1417.	3.4	38
41	Simple and accurate scheme for fluid velocity interpolation for Eulerian-Lagrangian computation of dispersed flows in 3D curvilinear grids. <i>Computers and Fluids</i> , 2007, 36, 1187-1198.	2.5	38
42	Appraisal of energy recovering sub-grid scale models for large-eddy simulation of turbulent dispersed flows. <i>Acta Mechanica</i> , 2008, 201, 277-296.	2.1	38
43	DNS of buoyancy-driven flows and Lagrangian particle tracking in a square cavity at high Rayleigh numbers. <i>International Journal of Heat and Fluid Flow</i> , 2011, 32, 915-931.	2.4	38
44	Turbulence modulation and microbubble dynamics in vertical channel flow. <i>International Journal of Multiphase Flow</i> , 2012, 42, 80-95.	3.4	36
45	Numerical simulations of aggregate breakup in bounded and unbounded turbulent flows. <i>Journal of Fluid Mechanics</i> , 2015, 766, 104-128.	3.4	36
46	Influence of the lift force in direct numerical simulation of upward/downward turbulent channel flow laden with surfactant contaminated microbubbles. <i>Chemical Engineering Science</i> , 2005, 60, 6176-6187.	3.8	35
47	Sediment transport in steady turbulent boundary layers: Potentials, limitations, and perspectives for Lagrangian tracking in DNS and LES. <i>Advances in Water Resources</i> , 2012, 48, 18-30.	3.8	35
48	Growth and spectra of gravity-capillary waves in countercurrent air/water turbulent flow. <i>Journal of Fluid Mechanics</i> , 2015, 777, 245-259.	3.4	35
49	Modelling soot deposition and monolith regeneration for optimal design of automotive DPFs. <i>Chemical Engineering Science</i> , 2016, 151, 36-50.	3.8	35
50	Viscosity-modulated breakup and coalescence of large drops in bounded turbulence. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	34
51	On the role of gravity and shear on inertial particle accelerations in near-wall turbulence. <i>Journal of Fluid Mechanics</i> , 2010, 658, 229-246.	3.4	33
52	Time-dependent finite-volume simulation of the turbulent flow in a free-surface CSTR. <i>Chemical Engineering Science</i> , 2001, 56, 2715-2720.	3.8	30
53	Particle dispersion and wall-dependent turbulent flow scales: implications for local equilibrium models. <i>Journal of Turbulence</i> , 2006, 7, N60.	1.4	30
54	Time persistence of floating-particle clusters in free-surface turbulence. <i>Physical Review E</i> , 2013, 88, 033003.	2.1	30

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55	Time-dependent flow structures and Lagrangian mixing in Rushton-impeller baffled-tank reactor. <i>Chemical Engineering Science</i> , 2003, 58, 1615-1629.	3.8	27
56	Lagrangian simulation of turbulent particle dispersion in electrostatic precipitators. <i>AIChE Journal</i> , 1997, 43, 1403-1413.	3.6	26
57	Stably Stratified Wall-Bounded Turbulence. <i>Applied Mechanics Reviews</i> , 2018, 70, .	10.1	26
58	Anisotropy in pair dispersion of inertial particles in turbulent channel flow. <i>Physics of Fluids</i> , 2012, 24, .	4.0	23
59	Rayleigh-Taylor convective dissolution in confined porous media. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	23
60	Mechanisms for microparticle dispersion in a jet in crossflow. <i>AIChE Journal</i> , 2005, 51, 28-43.	3.6	22
61	Characterization of subregimes in two-phase slug flow. <i>International Journal of Multiphase Flow</i> , 1996, 22, 783-796.	3.4	21
62	Deformation of clean and surfactant-laden droplets in shear flow. <i>Meccanica</i> , 2020, 55, 371-386.	2.0	21
63	The influence of coalescence on droplet transfer in vertical annular flow. <i>Chemical Engineering Science</i> , 1996, 51, 353-363.	3.8	20
64	Fluid Dynamic Efficiency and Scale-up of a Retreated Blade Impeller CSTR. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 164-172.	3.7	20
65	Turbulence modulation across the interface of a large deformable drop. <i>Journal of Turbulence</i> , 2013, 14, 27-43.	1.4	20
66	Turbulent Flows With Drops and Bubbles: What Numerical Simulations Can Tell Us? Freeman Scholar Lecture. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	1.5	20
67	Direct simulation of turbulent particle transport in electrostatic precipitators. <i>AIChE Journal</i> , 1993, 39, 1910-1919.	3.6	19
68	Towards the development of a fossil bone geochemical standard: An inter-laboratory study. <i>Analytica Chimica Acta</i> , 2007, 599, 177-190.	5.4	19
69	Measuring segregation of inertial particles in turbulence by a full Lagrangian approach. <i>Physical Review E</i> , 2009, 80, 015302.	2.1	19
70	Influence of thermal stratification on the surfacing and clustering of floaters in free surface turbulence. <i>Advances in Water Resources</i> , 2014, 72, 22-31.	3.8	19
71	Deformation of flexible fibers in turbulent channel flow. <i>Meccanica</i> , 2020, 55, 343-356.	2.0	19
72	Towards the ultimate regime in Rayleigh-Darcy convection. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	18

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73	Effect of surfactant-laden droplets on turbulent flow topology. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	18
74	Mixing and entrainment in the near field of turbulent round jets. <i>Experiments in Fluids</i> , 2013, 54, 1.	2.4	17
75	Turbulent breakage of ductile aggregates. <i>Physical Review E</i> , 2015, 91, 053003.	2.1	17
76	Turbulent Drag Reduction by Biopolymers in Large Scale Pipes. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2015, 137, .	1.5	17
77	Thermal stratification hinders gyrotactic micro-organism rising in free-surface turbulence. <i>Physics of Fluids</i> , 2017, 29, 053302.	4.0	17
78	Application limits of Jeffery's theory for elongated particle torques in turbulence: a DNS assessment. <i>Acta Mechanica</i> , 2018, 229, 827-839.	2.1	17
79	How non-Darcy effects influence scaling laws in Hele-Shaw convection experiments. <i>Journal of Fluid Mechanics</i> , 2020, 892, .	3.4	17
80	Cost-Efficiency Analysis of a Model Wire-Plate Electrostatic Precipitator via DNS Based Eulerian Particle Transport Approach. <i>Aerosol Science and Technology</i> , 2003, 37, 171-182.	3.1	16
81	Large eddy simulation of the differentially heated cubic cavity flow by the spectral element method. <i>Computers and Fluids</i> , 2013, 86, 210-227.	2.5	16
82	Turbulence modification by dispersion of large deformable droplets. <i>European Journal of Mechanics, B/Fluids</i> , 2016, 55, 294-299.	2.5	16
83	Particle resuspension by a periodically forced impinging jet. <i>Journal of Fluid Mechanics</i> , 2017, 820, 284-311.	3.4	16
84	Energy balance in lubricated drag-reduced turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	16
85	Influence of added mass on anomalous high rise velocity of light particles in cellular flow field: A note on the paper by Maxey (1987). <i>Physics of Fluids</i> , 2007, 19, 098101.	4.0	15
86	Phase discrimination and object fitting to measure fibers distribution and orientation in turbulent pipe flows. <i>Experiments in Fluids</i> , 2013, 54, 1.	2.4	15
87	Anisotropic particles in turbulence: status and outlook. <i>Acta Mechanica</i> , 2013, 224, 2219-2223.	2.1	15
88	Turbulent drag reduction by compliant lubricating layer. <i>Journal of Fluid Mechanics</i> , 2019, 863, .	3.4	15
89	Modelling the direct virus exposure risk associated with respiratory events. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210819.	3.4	15
90	Identification of two phase flow regimes via diffusional analysis of experimental time series. <i>Experiments in Fluids</i> , 1996, 21, 151-160.	2.4	14

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91	Particle tracking in LES flow fields: conditional Lagrangian statistics of filtering error. <i>Journal of Turbulence</i> , 2014, 15, 22-33.	1.4	14
92	Upscale energy transfer and flow topology in free-surface turbulence. <i>Physical Review E</i> , 2015, 91, 033010.	2.1	13
93	Long non-axisymmetric fibres in turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2021, 916, .	3.4	13
94	Appraisal of Fluid Dynamic Efficiency of Retreated-Blade and Turbofoil Impellers in Industrial-Size CSTRs. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 1370-1377.	3.7	12
95	Turbulent Flow and Dispersion of Inertial Particles in a Confined Jet Issued by a Long Cylindrical Pipe. <i>Flow, Turbulence and Combustion</i> , 2009, 82, 1-23.	2.6	12
96	Wind effect on gyrotactic micro-organism surfacing in free-surface turbulence. <i>Advances in Water Resources</i> , 2019, 129, 328-337.	3.8	12
97	THE APPLICATION OF DIFFUSIONAL TECHNIQUES IN TIME-SERIES ANALYSIS TO IDENTIFY COMPLEX FLUID DYNAMIC REGIMES. <i>Fractals</i> , 1994, 02, 503-520.	3.7	11
98	Time behavior of heat fluxes in thermally coupled turbulent dispersed particle flows. <i>Acta Mechanica</i> , 2011, 218, 367-373.	2.1	11
99	Particle capture by drops in turbulent flow. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	11
100	Approximation and Reconstruction of the Electrostatic Field in Wire-Plate Precipitators by a Low-Order Model. <i>Journal of Computational Physics</i> , 2001, 170, 893-916.	3.8	10
101	Influence of large-scale streamwise vortical EHD flows on wall turbulence. <i>International Journal of Heat and Fluid Flow</i> , 2002, 23, 441-443.	2.4	10
102	Computing flow, combustion, heat transfer and thrust in a micro-rocket via hierarchical problem decomposition. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 57-73.	2.2	10
103	Minimal perfusion flow for osteogenic growth of mesenchymal stem cells on lattice scaffolds. <i>AIChE Journal</i> , 2013, 59, 3131-3144.	3.6	10
104	Universal behavior of scalar dissipation rate in confined porous media. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	10
105	Role of large-scale advection and small-scale turbulence on vertical migration of gyrotactic swimmers. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	10
106	Ekman pumping and intermittent particle resuspension in a stirred tank reactor. <i>Chemical Engineering Research and Design</i> , 2009, 87, 557-564.	5.6	9
107	Modeling nano-particle deposition in diesel engine filters. <i>Chemical Engineering Science</i> , 2010, 65, 6443-6451.	3.8	8
108	Large eddy simulation of particulate flow inside a differentially heated cavity. <i>Nuclear Engineering and Design</i> , 2014, 267, 154-163.	1.7	8

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109	Reynolds number scaling of particle preferential concentration in turbulent channel flow. , 2007, , 298-300.		8
110	Interface topology and evolution of particle patterns on deformable drops in turbulence. Journal of Fluid Mechanics, 2022, 933, .	3.4	8
111	Introducing deviations and multiple abstraction levels in the functional diagnosis of fluid transfer systems. Advanced Engineering Informatics, 1998, 12, 355-373.	0.5	7
112	Current-density approximation for efficient computation of the electrostatic field in wire-plate precipitators. IEEE Transactions on Industry Applications, 2002, 38, 858-865.	4.9	7
113	Protocols to compare infusion distribution of wound catheters. Medical Engineering and Physics, 2012, 34, 326-332.	1.7	7
114	Wall drag modification by large deformable droplets in turbulent channel flow. Computers and Fluids, 2015, 113, 87-92.	2.5	7
115	Decay of gravity-capillary waves in air/water sheared turbulence. International Journal of Heat and Fluid Flow, 2016, 61, 137-144.	2.4	7
116	Concentration-based velocity reconstruction in convective Heleâ€“Shaw flows. Experiments in Fluids, 2020, 61, 1.	2.4	7
117	Influence of density and viscosity on deformation, breakage, and coalescence of bubbles in turbulence. Physical Review Fluids, 2022, 7, .	2.5	7
118	On shear lift force modelling for non-spherical particles in turbulent flows. AIP Conference Proceedings, 2013, , .	0.4	6
119	Turbulent Drag Reduction by a Near Wall Surface Tension Active Interface. Flow, Turbulence and Combustion, 2018, 100, 979-993.	2.6	6
120	Turbulent drag reduction in channel flow with viscosity stratified fluids. Computers and Fluids, 2018, 176, 260-265.	2.5	6
121	Prospects for Modulation of Turbulent Boundary Layer by EHD Flows. , 2001, , 119-160.		6
122	Numerical Evaluation of Mixing Time in a Tank Reactor Stirred by a Magnetically Driven Impeller. Industrial & Engineering Chemistry Research, 2004, 43, 6836-6846.	3.7	5
123	Bi-Propellant Micro-Rocket Engine. , 2004, , .		5
124	Urban air pollution by odor sources: Short time prediction. Atmospheric Environment, 2015, 122, 74-82.	4.1	5
125	Shear Effects on Scalar Transport in Double Diffusive Convection1. Journal of Fluids Engineering, Transactions of the ASME, 2020, 142, .	1.5	5
126	Controlling particle dispersion in a transverse jet by synchronized injection. AIChE Journal, 2008, 54, 1975-1986.	3.6	4



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127	Turbulence Modulation by Micro-Particles in Boundary Layers. , 2006, , 53-62.		4
128	Heat Transfer Modulation by Microparticles in Turbulent Channel Flow. Springer Proceedings in Physics, 2009, , 159-162.	0.2	4
129	Strong Rayleighâ€Darcy convection regime in three-dimensional porous media. Journal of Fluid Mechanics, 2022, 943, .	3.4	4
130	DIFFUSIONAL ANALYSIS OF INTERMITTENT TWO-PHASE FLOW TRANSITIONS. Fractals, 1994, 02, 265-268.	3.7	3
131	Influence of Jet Inlet Conditions on Time-Average Behavior of Transverse Jets. AIAA Journal, 2005, 43, 1549-1555.	2.6	3
132	Modelling of a multiphase reacting turbulent jet: Application to supersonic carbon injection in siderurgic furnaces. Chemical Engineering Science, 2007, 62, 4439-4458.	3.8	3
133	On the Error Estimate in Sub-Grid Models for Particles in Turbulent Flows. ERCOFTAC Series, 2011, , 171-176.	0.1	3
134	Benchmark test on particle-laden channel flow with point-particle LES. ERCOFTAC Series, 2011, , 177-182.	0.1	3
135	Influence of Reynolds number on the dynamics of rigid, slender and non-axisymmetric fibres in channel flow turbulence. Journal of Fluid Mechanics, 2022, 934, .	3.4	3
136	Interaction between thermal stratification and turbulence in channel flow. Journal of Fluid Mechanics, 2022, 945, .	3.4	2
137	Electronic and Morphological Characterization of Nanostructured Ni-Doped (Ce,Gd)O <sub>2</sub> -Â Anodes for IT-SOFCs. ECS Transactions, 2014, 64, 233-240.	0.5	1
138	Editorial: Multiphase flow community must have a role in predicting host-to-host airborne contagion. International Journal of Multiphase Flow, 2020, 132, 103440.	3.4	1
139	Dynamics of semi- and neutrally-buoyant particles in thermally stratified turbulent channel flow. International Journal of Multiphase Flow, 2021, 139, 103595.	3.4	1
140	On the closure of particle motion equations in large-eddy simulation. , 2006, , 311-318.		1
141	Direct Numerical Simulation of inertial particle accelerations in near-wall turbulence: effect of gravity. Springer Proceedings in Physics, 2009, , 343-346.	0.2	1
142	Direct Numerical Simulation of Buoyancy Driven Turbulence inside a Cubic Cavity. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2010, , 295-301.	0.3	1
143	Aerodynamic Analysis of a Two-Man Bobsleigh. IFMBE Proceedings, 2010, , 228-231.	0.3	1
144	Modeling turbulent particle dispersion in transverse jets. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2003, , 193-210.	0.6	1

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145	Inertial particle segregation and deposition in large-eddy simulation of turbulent wall-bounded flows. ERCOFTAC Series, 2011, , 191-200.	0.1	1
146	Interaction between Turbulence Structures and Inertial Particles in Boundary Layer: Mechanisms for Particle Transfer and Preferential Distribution. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2003, , 383-429.	0.6	1
147	Analytical approximation and proper orthogonal decomposition for efficient computations of electrostatic fields in wire-duct precipitators. , 0, , .		0
148	Quantification of Particle and Fluid Scales in Particle-Laden Turbulent Channel Flow. , 2006, , 1683.		0
149	Statistical properties of an ideal subgrid-scale correction for Lagrangian particle tracking in turbulent channel flow. Journal of Physics: Conference Series, 2011, 333, 012004.	0.4	0
150	Rotation statistics of rigid fibers in turbulent channel flow. , 2013, , .		0
151	Review and perspective in mechanics. Acta Mechanica, 2015, 226, 3905-3905.	2.1	0
152	Review and perspective in mechanics. Acta Mechanica, 2015, 226, 977-977.	2.1	0
153	Review and Perspective in Mechanics. Acta Mechanica, 2016, 227, 3325-3325.	2.1	0
154	Review and Perspective in Mechanics. Acta Mechanica, 2016, 227, 617-617.	2.1	0
155	Fiber suspension investigation in a backward-facing step by PIV. Journal of Physics: Conference Series, 2017, 882, 012018.	0.4	0
156	Special Issue dedicated to the memory of Franz Ziegler. Acta Mechanica, 2018, 229, 421-421.	2.1	0
157	Numerical appraisal of jet-to-crossflow coupling in a transverse jet. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2003, , 49-65.	0.6	0
158	Lagrangian Tracking of Heavy Particles in Large-Eddy Simulation of Turbulent Channel Flow. ERCOFTAC Series, 2008, , 355-366.	0.1	0
159	Quantification of heavy particle segregation in turbulent flows: a Lagrangian approach. Springer Proceedings in Physics, 2009, , 489-492.	0.2	0
160	Direct Numerical Simulation of Microbubble Dispersion in Vertical Turbulent Channel Flow. Springer Proceedings in Physics, 2009, , 239-242.	0.2	0
161	Direct Numerical Simulation of heat transfer in turbulent flows laden with microparticles. , 2009, , .		0
162	Stable stratification in wall-bounded turbulent flows. , 2012, , .		0

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163	Stable Stratification in Wall-Bounded Turbulent Flows. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2014, , 189-196.	0.3	0
164	Probability Distribution of Intrinsic Filtering Errors in Lagrangian Particle Tracking in LES Flow Fields. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2014, , 149-156.	0.3	0