

Fazle Hussain

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3453519/fazle-hussain-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

158 papers	10,906 citations	36 h-index	103 g-index
169 ext. papers	12,551 ext. citations	4.1 avg, IF	6.54 L-index

#	Paper	IF	Citations
158	Vortex Reconnection and Turbulence Cascade. <i>Annual Review of Fluid Mechanics</i> , 2022 , 54,	2.2	1
157	Parthenolide reverses the epithelial to mesenchymal transition process in breast cancer by targeting TGFbeta1: In vitro and in silico studies.. <i>Life Sciences</i> , 2022 , 120610	6.8	0
156	New scaling laws predicting turbulent particle pair diffusion, overcoming the limitations of the prevalent Richardson-Dukhov theory. <i>Physics of Fluids</i> , 2021 , 33, 035135	4.4	1
155	Composite active drag control in turbulent channel flows. <i>Physical Review Fluids</i> , 2021 , 6,	2.8	1
154	Flat plate drag reduction using plasma-generated streamwise vortices. <i>Journal of Fluid Mechanics</i> , 2021 , 918,	3.7	11
153	Tumor-Associated Macrophages as Multifaceted Regulators of Breast Tumor Growth. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
152	Dynamics of a trefoil knotted vortex. <i>Journal of Fluid Mechanics</i> , 2021 , 923,	3.7	2
151	Theoretical framework for energy flux analysis of channels under drag control. <i>Physical Review Fluids</i> , 2021 , 6,	2.8	4
150	Polarized vortex reconnection. <i>Journal of Fluid Mechanics</i> , 2021 , 922,	3.7	2
149	Vorticity transports in turbulent channels under large-scale control via spanwise wall jet forcing. <i>Physics of Fluids</i> , 2021 , 33, 095112	4.4	2
148	A predictive model for Covid-19 spread - with application to eight US states and how to end the pandemic. <i>Epidemiology and Infection</i> , 2020 , 148, e249	4.3	9
147	Shear Stress Increases V-H -ATPase and Acidic Vesicle Number Density, and p-mTORC2 Activation in Prostate Cancer Cells. <i>Cellular and Molecular Bioengineering</i> , 2020 , 13, 591-604	3.9	2
146	On singularity formation via viscous vortex reconnection. <i>Journal of Fluid Mechanics</i> , 2020 , 888,	3.7	13
145	Aeroacoustic noise generation due to vortex reconnection. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	6
144	Turbulence statistics and coherent structures in compressible channel flow. <i>Physical Review Fluids</i> , 2020 , 5,	2.8	4
143	A physical model of turbulence cascade via vortex reconnection sequence and avalanche. <i>Journal of Fluid Mechanics</i> , 2020 , 883,	3.7	27
142	VD and LXR agonist (T0901317) combination demonstrated greater potency in inhibiting cholesterol accumulation and inducing apoptosis via ABCA1-CHOP-BCL-2 cascade in MCF-7 breast cancer cells. <i>Molecular Biology Reports</i> , 2020 , 47, 7771-7782	2.8	4

141	Separation scaling for viscous vortex reconnection. <i>Journal of Fluid Mechanics</i> , 2020 , 900,	3.7	8
140	Phase aligned ensemble averaging for environmental flow studies. <i>Environmental Fluid Mechanics</i> , 2020 , 20, 1357-1377	2.2	1
139	Higher Glucose Enhances Breast Cancer Cell Aggressiveness. <i>Nutrition and Cancer</i> , 2020 , 72, 734-746	2.8	12
138	Vorticity dynamics in a spatially developing liquid jet inside a co-flowing gas. <i>Journal of Fluid Mechanics</i> , 2019 , 877, 429-470	3.7	7
137	Length-scale cascade and spread rate of atomizing planar liquid jets. <i>International Journal of Multiphase Flow</i> , 2019 , 113, 117-141	3.6	7
136	Non-universal scaling transition of momentum cascade in wall turbulence. <i>Journal of Fluid Mechanics</i> , 2019 , 871,	3.7	12
135	VD mitigates breast cancer aggressiveness by targeting V-H-ATPase. <i>Journal of Nutritional Biochemistry</i> , 2019 , 70, 185-193	6.3	4
134	Enhanced blebbing as a marker for metastatic prostate cancer. <i>Biomicrofluidics</i> , 2019 , 13, 034110	3.2	3
133	Reynolds number effect on drag control via spanwise wall oscillation in turbulent channel flows. <i>Physics of Fluids</i> , 2019 , 31, 085108	4.4	14
132	Supersonic turbulent boundary layer drag control using spanwise wall oscillation. <i>Journal of Fluid Mechanics</i> , 2019 , 880, 388-429	3.7	11
131	Role of Bioroughness, Bioirrigation, and Turbulence on Oxygen Dynamics at the Sediment-Water Interface. <i>Water Resources Research</i> , 2019 , 55, 8061-8075	5.4	2
130	Simulations of Compressible Channel Flow with Pulsed-DC Plasma Actuation for Drag Reduction 2019 ,		1
129	Aggressive prostate cancer cell nuclei have reduced stiffness. <i>Biomicrofluidics</i> , 2018 , 12, 014102	3.2	24
128	Understanding liquid-jet atomization cascades via vortex dynamics. <i>Journal of Fluid Mechanics</i> , 2018 , 843, 293-354	3.7	29
127	Vitamin D decreases glycolysis and invasiveness, and increases cellular stiffness in breast cancer cells. <i>Journal of Nutritional Biochemistry</i> , 2018 , 53, 111-120	6.3	24
126	Temperature-Invariant Scaling for Compressible Turbulent Boundary Layers with Wall Heat Transfer. <i>Heat Transfer Engineering</i> , 2018 , 39, 923-932	1.7	3
125	Quantifying wall turbulence via a symmetry approach. Part 2. Reynolds stresses. <i>Journal of Fluid Mechanics</i> , 2018 , 850, 401-438	3.7	26
124	Quantification of turbulent mixing in colliding gravity currents. <i>Journal of Fluid Mechanics</i> , 2018 , 851, 125-147	3.7	9

123	Drag control in wall-bounded turbulent flows via spanwise opposed wall-jet forcing. <i>Journal of Fluid Mechanics</i> , 2018 , 852, 678-709	3.7	23
122	Magnesium Chloride is an Effective Therapeutic Agent for Prostate Cancer. <i>Functional Foods in Health and Disease</i> , 2018 , 8, 62	2.5	2
121	Prediction of compressible turbulent boundary layer via a symmetry-based length model. <i>Journal of Fluid Mechanics</i> , 2018 , 857, 449-468	3.7	7
120	Toward vortex identification based on local pressure-minimum criterion in compressible and variable density flows. <i>Journal of Fluid Mechanics</i> , 2018 , 850, 5-17	3.7	11
119	On the invariant mean velocity profile for compressible turbulent boundary layers. <i>Journal of Turbulence</i> , 2017 , 18, 186-202	2.1	12
118	Locally solving fractional Laplacian viscoacoustic wave equation using Hermite distributed approximating functional method. <i>Geophysics</i> , 2017 , 82, T59-T67	3.1	31
117	The logarithmic and power law behaviors of the accelerating, turbulent thermal boundary layer. <i>Physics of Fluids</i> , 2017 , 29, 020718	4.4	2
116	Quantifying wall turbulence via a symmetry approach: a Lie group theory. <i>Journal of Fluid Mechanics</i> , 2017 , 827, 322-356	3.7	35
115	Optimal transient growth on a vortex ring and its transition via cascade of ringlets. <i>Journal of Fluid Mechanics</i> , 2017 , 832, 269-286	3.7	5
114	Planar liquid jet: Early deformation and atomization cascades. <i>Physics of Fluids</i> , 2017 , 29, 062109	4.4	31
113	Predictions of canonical wall-bounded turbulent flows via a modified $k\epsilon$ equation. <i>Journal of Turbulence</i> , 2017 , 18, 1-35	2.1	10
112	Passage times and friction due to flow of confined cancer cells, drops, and deformable particles in a microfluidic channel. <i>Convergent Science Physical Oncology</i> , 2017 , 3, 024001		10
111	Similarity transformation for equilibrium boundary layers, including effects of blowing and suction. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	4
110	Large-scale control strategy for drag reduction in turbulent channel flows. <i>Physical Review Fluids</i> , 2017 , 2,	2.8	19
109	Anomalous dissipation and kinetic-energy distribution in pipes at very high Reynolds numbers. <i>Physical Review E</i> , 2016 , 93, 011102	2.4	4
108	Bulk flow scaling for turbulent channel and pipe flows. <i>Europhysics Letters</i> , 2016 , 115, 34001	1.6	6
107	Alteration of lipid membrane structure and dynamics by diacylglycerols with unsaturated chains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 253-63	3.8	14
106	Three-dimensional liquid sheet breakup: vorticity dynamics 2016 ,		5

105	Vacuolar H ⁺ -ATPase in the nuclear membranes regulates nucleo-cytosolic proton gradients. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 311, C547-C558	5.4	12
104	Forward Scattering and Volterra Renormalization for Acoustic Wavefield Propagation in Vertically Varying Media. <i>Communications in Computational Physics</i> , 2016 , 20, 353-373	2.4	4
103	External turbulence-induced axial flow and instability in a vortex. <i>Journal of Fluid Mechanics</i> , 2016 , 793, 353-379	3.7	3
102	Compressibility effects on the structural evolution of transitional high-speed planar wakes. <i>Journal of Fluid Mechanics</i> , 2016 , 796, 5-39	3.7	8
101	Early spray development at high gas density: hole, ligament and bridge formations. <i>Journal of Fluid Mechanics</i> , 2016 , 792, 186-231	3.7	36
100	Statistical behavior of supersonic turbulent boundary layers with heat transfer at M _∞ 2. <i>International Journal of Heat and Fluid Flow</i> , 2015 , 53, 113-134	2.4	45
99	The log behaviour of the Reynolds shear stress in accelerating turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2015 , 775, 189-200	3.7	18
98	Low-frequency reflection-data augmentation by an inpainting method: 1D acoustic media. <i>Geophysics</i> , 2015 , 80, R139-R153	3.1	5
97	Scattering theory and Volterra renormalization for wave modeling in heterogeneous acoustic media 2015 ,		2
96	Three phase flow dynamics in tumor growth. <i>Computational Mechanics</i> , 2014 , 53, 465-484	4	31
95	On the near-wall vortical structures at moderate Reynolds numbers. <i>European Journal of Mechanics, B/Fluids</i> , 2014 , 48, 75-93	2.4	45
94	A generalized Reynolds analogy for compressible wall-bounded turbulent flows. <i>Journal of Fluid Mechanics</i> , 2014 , 739, 392-420	3.7	45
93	Field measurements in the wake of a model wind turbine. <i>Journal of Physics: Conference Series</i> , 2014 , 524, 012175	0.3	
92	Velocity-vorticity correlation structure in turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2014 , 742, 291-307	3.7	20
91	Human equilibrative nucleoside transporter-1 knockdown tunes cellular mechanics through epithelial-mesenchymal transition in pancreatic cancer cells. <i>PLoS ONE</i> , 2014 , 9, e107973	3.7	12
90	One dimensional acoustic direct nonlinear inversion using the Volterra inverse scattering series. <i>Inverse Problems</i> , 2014 , 30, 075006	2.3	7
89	Inverse scattering theory: Inverse scattering series method for one dimensional non-compact support potential. <i>Journal of Mathematical Physics</i> , 2014 , 55, 123512	1.2	8
88	Multi-dimensional Inverse acoustic scattering series using the Volterra renormalization of the Lippmann-Schwinger equation 2014 ,		5

87	An hermite distributed approximation functional fitting method to augment reflection data down to zero frequency 2014 ,		1
86	Role of coherent structures in multiple self-similar states of turbulent planar wakes. <i>Journal of Fluid Mechanics</i> , 2013 , 731, 312-363	3.7	13
85	Self-limiting and regenerative dynamics of perturbation growth on a vortex column. <i>Journal of Fluid Mechanics</i> , 2013 , 718, 39-88	3.7	4
84	Vortex dynamics of clapping plates. <i>Journal of Fluid Mechanics</i> , 2013 , 714, 5-23	3.7	20
83	A multiphase model for three-dimensional tumor growth. <i>New Journal of Physics</i> , 2013 , 15, 015005	2.9	97
82	Multiscale modeling of incompressible turbulent flows. <i>Journal of Computational Physics</i> , 2013 , 232, 383-396	4.1	14
81	Inverse acoustic scattering series using the Volterra renormalization of the Lippmann-Schwinger equation 2013 ,		6
80	Analysis of Reynolds number scaling for viscous vortex reconnection. <i>Physics of Fluids</i> , 2012 , 24, 105102	4.4	9
79	Mach-number-invariant mean-velocity profile of compressible turbulent boundary layers. <i>Physical Review Letters</i> , 2012 , 109, 054502	7.4	21
78	Incorporating boundary constraints to predict mean velocities in turbulent channel flow. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 1691-1695	3.6	4
77	A multi-state description of roughness effects in turbulent pipe flow. <i>New Journal of Physics</i> , 2012 , 14, 093054	2.9	20
76	Model for propagation speed in turbulent channel flows. <i>Physical Review E</i> , 2012 , 86, 046307	2.4	6
75	Vortex tube reconnection at $Re = 104$. <i>Physics of Fluids</i> , 2012 , 24, 075105	4.4	27
74	Experimental studies of surface waves inside a cylindrical container. <i>Journal of Fluid Mechanics</i> , 2011 , 677, 39-62	3.7	26
73	Nonlinear transient growth in a vortex column. <i>Journal of Fluid Mechanics</i> , 2011 , 682, 304-331	3.7	8
72	Velocity-Vorticity Correlation Structure in Turbulent Channel Flow 2011 ,		4
71	Blood flow and coherent vortices in the normal and aneurysmatic aortas: a fluid dynamical approach to intra-luminal thrombus formation. <i>Journal of the Royal Society Interface</i> , 2011 , 8, 1449-61	4.1	114
70	Mechanics of viscous vortex reconnection. <i>Physics of Fluids</i> , 2011 , 23, 021701	4.4	68

69	Vortex dynamics of turbulence-coherent structure interaction. <i>Theoretical and Computational Fluid Dynamics</i> , 2010 , 24, 265-282	2.3	11
68	New perspective in statistical modeling of wall-bounded turbulence. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2010 , 26, 847-861	2	33
67	Vortex dynamics of turbulence-coherent structure interaction. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2010 , 281-298	0.3	
66	Self-Assembly of Single-Walled Carbon Nanotubes into a Sheet by Drop Drying. <i>Advanced Materials</i> , 2006 , 18, 29-34	24	111
65	Transient growth of perturbations in a vortex column. <i>Journal of Fluid Mechanics</i> , 2006 , 550, 251	3.7	56
64	Micropumps Actuated by Smart Materials 2004 , 664		
63	Effects of boundary condition in numerical simulations of vortex dynamics. <i>Journal of Fluid Mechanics</i> , 2004 , 516, 115-124	3.7	29
62	Effect of deceleration on jet instability. <i>Journal of Fluid Mechanics</i> , 2003 , 480, 283-309	3.7	17
61	Coherent structure generation in near-wall turbulence. <i>Journal of Fluid Mechanics</i> , 2002 , 453, 57-108	3.7	471
60	Generation of collimated jets by a point source of heat and gravity. <i>Journal of Fluid Mechanics</i> , 2001 , 449, 39-59	3.7	2
59	Core dynamics of a strained vortex: instability and transition. <i>Journal of Fluid Mechanics</i> , 2001 , 447, 247-285	3.7	10
58	Coherent structure dynamics in near-wall turbulence. <i>Fluid Dynamics Research</i> , 2000 , 26, 119-139	1.2	56
57	COLLAPSE, SYMMETRY BREAKING, AND HYSTERESIS IN SWIRLING FLOWS. <i>Annual Review of Fluid Mechanics</i> , 1999 , 31, 537-566	22	80
56	The elliptic whistler jet. <i>Journal of Fluid Mechanics</i> , 1999 , 397, 23-44	3.7	19
55	Dynamics and Control of Near-Wall Coherent Structures. <i>Fluid Mechanics and Its Applications</i> , 1999 , 5-14	0.2	
54	Genesis of Longitudinal Vortices in Near-Wall Turbulence. <i>Meccanica</i> , 1998 , 33, 489-501	2.1	11
53	Analysis of inviscid vortex breakdown in a semi-infinite pipe. <i>Fluid Dynamics Research</i> , 1998 , 23, 189-234	1.2	24
52	Formation of near-wall streamwise vortices by streak instability 1998 ,		5

51	A large-scale control strategy for drag reduction in turbulent boundary layers. <i>Physics of Fluids</i> , 1998 , 10, 1049-1051	4.4	99
50	Instabilities of conical flows causing steady bifurcations. <i>Journal of Fluid Mechanics</i> , 1998 , 366, 33-85	3.7	11
49	Numerical study of near-wall coherent structures and their control in turbulent boundary layers 1998 , 103-116		2
48	Dynamics of Slender Vortices Near the Wall in a Turbulent Boundary Layer. <i>Fluid Mechanics and Its Applications</i> , 1998 , 155-172	0.2	
47	Vortex sinks with axial flow: Solution and applications. <i>Physics of Fluids</i> , 1997 , 9, 2941-2959	4.4	24
46	Coherent structures near the wall in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 1997 , 332, 185-214	3.7	469
45	The vortex liquid piston engine and some other vortex technologies. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 1997 , 22, 323-367	1	7
44	Measurements of spatiotemporal dynamics in a forced plane mixing layer. <i>Journal of Fluid Mechanics</i> , 1996 , 320, 71	3.7	11
43	Transitions to chaos in a forced jet: intermittency, tangent bifurcations and hysteresis. <i>Journal of Fluid Mechanics</i> , 1996 , 311, 37	3.7	51
42	Hysteresis in swirling jets. <i>Journal of Fluid Mechanics</i> , 1996 , 309, 1-44	3.7	53
41	New Aspects of Vortex Dynamics Relevant to Coherent Structures in Turbulent Flows 1996 , 61-143		2
40	On the identification of a vortex. <i>Journal of Fluid Mechanics</i> , 1995 , 285, 69	3.7	4195
39	Instantaneous flow field in an unstable vortex ring measured by holographic particle velocimetry. <i>Physics of Fluids</i> , 1995 , 7, 9-11	4.4	34
38	Instantaneous Directivity in Jet Noise by Multipole Decomposition. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1995 , 117, 172-179	1.6	4
37	Compressible vortex reconnection. <i>Journal of Fluid Mechanics</i> , 1995 , 304, 47-86	3.7	31
36	Experiments on subharmonic resonance in a shear layer. <i>Journal of Fluid Mechanics</i> , 1995 , 304, 343-372	3.7	51
35	A new mechanism of small-scale transition in a plane mixing layer: core dynamics of spanwise vortices. <i>Journal of Fluid Mechanics</i> , 1995 , 298, 23-80	3.7	46
34	Role of coherent structures in an isothermally reacting mixing layer. <i>Physics of Fluids</i> , 1994 , 6, 885-902	4.4	16

33	Education of coherent structures in a numerically simulated plane wake. <i>Flow, Turbulence and Combustion</i> , 1994 , 53, 227-236		6
32	Core dynamics on a vortex column. <i>Fluid Dynamics Research</i> , 1994 , 13, 1-37	1.2	38
31	Nonlinear dynamics of forced transitional jets: periodic and chaotic attractors. <i>Journal of Fluid Mechanics</i> , 1994 , 263, 93-132	3.7	73
30	Dynamics of a polarized vortex ring. <i>Journal of Fluid Mechanics</i> , 1994 , 260, 23-55	3.7	22
29	Topological vortex dynamics in axisymmetric viscous flows. <i>Journal of Fluid Mechanics</i> , 1994 , 260, 57-80	3.7	13
28	Nonlinear Instability of Free Shear Layers: Subharmonic Resonance and Three-Dimensional Vortex Dynamics 1994 , 251-280		2
27	Azimuthal instability of divergent flows. <i>Journal of Fluid Mechanics</i> , 1993 , 256, 535-560	3.7	18
26	Elliptic jets. Part 3. Dynamics of preferred mode coherent structure. <i>Journal of Fluid Mechanics</i> , 1993 , 248, 315-361	3.7	80
25	Hysteresis in a swirling jet as a model tornado. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993 , 5, 2183-2195		35
24	Polarized vorticity dynamics on a vortex column. <i>Physics of Fluids A, Fluid Dynamics</i> , 1993 , 5, 1992-2003		43
23	Influence of initial conditions on compressible vorticity dynamics. <i>Theoretical and Computational Fluid Dynamics</i> , 1993 , 5, 309-334	2.3	9
22	New studies in vortex dynamics: Incompressible and compressible vortex reconnection, core dynamics, and coupling between large and small scales. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 1993 , 18, 477-529	1	2
21	Model Coherent Structure Dynamics: Vortex Reconnection, Core Dynamics and Interaction with Turbulence 1993 , 239-264		
20	Loss of homogeneity in a suspension by kinematic action. <i>Nature</i> , 1992 , 357, 141-142	50.4	6
19	Direct evaluation of aeroacoustic theory in a jet. <i>Journal of Fluid Mechanics</i> , 1992 , 240, 469	3.7	54
18	Understanding Turbulence Via Vortex Dynamics 1992 , 157-178		5
17	Formation of head-tail structure in a two-dimensional uniform straining flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1991 , 3, 2688-2697		17
16	A note on velocity, vorticity and helicity of inviscid fluid elements. <i>Journal of Fluid Mechanics</i> , 1991 , 229, 569	3.7	23

- 15 Elliptic jets. Part 2. Dynamics of coherent structures: pairing. *Journal of Fluid Mechanics*, **1991**, 233, 439-482 80
- 14 Symmetry breaking in vortex-source and Jeffery-Hamel flows. *Journal of Fluid Mechanics*, **1991**, 232, 521 3.7 35
- 13 Collision of two vortex rings. *Journal of Fluid Mechanics*, **1991**, 230, 583-646 3.7 95
- 12 The Complementary Roles of Experiments and Simulation in Coherent Structure Studies **1991**, 195-228 2
- 11 Coherent Structures in Turbulent Shear Flows. *Applied Mechanics Reviews*, **1990**, 43, S203-S209 8.6 9
- 10 Cross-linking of two antiparallel vortex tubes. *Physics of Fluids A, Fluid Dynamics*, **1989**, 1, 633-636 88
- 9 Reconnection of two vortex rings. *Physics of Fluids A, Fluid Dynamics*, **1989**, 1, 630-632 45
- 8 Simulation of vortex reconnection. *Physica D: Nonlinear Phenomena*, **1989**, 37, 474-484 3.3 56
- 7 Elliptic jets. Part 1. Characteristics of unexcited and excited jets. *Journal of Fluid Mechanics*, **1989**, 208, 257-320 3.7 385
- 6 Three-dimensionality of organized structures in a plane turbulent wake. *Journal of Fluid Mechanics*, **1989**, 206, 375-404 3.7 97
- 5 Organized motions in a fully developed turbulent axisymmetric jet. *Journal of Fluid Mechanics*, **1989**, 203, 425-448 3.7 84
- 4 Coherent structures and turbulence. *Journal of Fluid Mechanics*, **1986**, 173, 303-356 3.7 806
- 3 Coherent structures: Reality and myth. *Physics of Fluids*, **1983**, 26, 2816 535
- 2 The preferred model of the axisymmetric jet. *Journal of Fluid Mechanics*, **1981**, 110, 39-71 3.7 216
- 1 The mechanics of an organized wave in turbulent shear flow. *Journal of Fluid Mechanics*, **1970**, 41, 241-258 3.7 592