

Damien Biau

List of Publications by Year in descending order

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18
papers

261
citations

932766

10
h-index

996533

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g-index

18
all docs

18
docs citations

18
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow in a weakly curved square duct: Assessment and extension of Dean's model. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	7
2	The aeroacoustic field produced by a turbulent puff in a duct of square cross section. , 2020, , .		0
3	Restricted nonlinear model for high- and low-drag events in plane channel flow. <i>Journal of Fluid Mechanics</i> , 2019, 864, 221-243.	1.4	7
4	Closed-loop control of a free shear flow: a framework using the parabolized stability equations. <i>Theoretical and Computational Fluid Dynamics</i> , 2018, 32, 765-788.	0.9	22
5	A framework for closed-loop flow control using the parabolized stability equations. , 2017, , .		3
6	Transient growth of perturbations in Stokes oscillatory flows. <i>Journal of Fluid Mechanics</i> , 2016, 794, .	1.4	13
7	Closed-loop control of wavepackets in a free shear-flow. , 2016, , .		8
8	The first-digit frequencies in data of turbulent flows. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 440, 147-154.	1.2	4
9	A reference solution of the flow over a circular cylinder at $Re=40$. <i>Computers and Fluids</i> , 2013, 75, 103-111.	1.3	41
10	Laminar-turbulent separatrix in a boundary layer flow. <i>Physics of Fluids</i> , 2012, 24, .	1.6	13
11	Exact self-similar solutions for axisymmetric wakes. <i>Comptes Rendus - Mecanique</i> , 2011, 339, 245-249.	2.1	1
12	An optimal path to transition in a duct. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 529-544.	1.6	37
13	Linear stability of channel entrance flow. <i>European Journal of Mechanics, B/Fluids</i> , 2008, 27, 579-590.	1.2	5
14	Transition to turbulence in duct flow. <i>Journal of Fluid Mechanics</i> , 2008, 596, 133-142.	1.4	32
15	Coherent flow states in a square duct. <i>Physics of Fluids</i> , 2008, 20, .	1.6	10
16	A transition prediction model for boundary layers subjected to free-stream turbulence. <i>Aerospace Science and Technology</i> , 2007, 11, 370-375.	2.5	11
17	Transient growth and minimal defects: Two possible initial paths of transition to turbulence in plane shear flows. <i>Physics of Fluids</i> , 2004, 16, 3515-3529.	1.6	33
18	The effect of stable thermal stratification on shear flow stability. <i>Physics of Fluids</i> , 2004, 16, 4742-4745.	1.6	14