

Christophe Gissinger

List of Publications by Year in descending order

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papers

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citations

759233

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23
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30
all docs

30
docs citations

30
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamo regimes and transitions in the VKS experiment. European Physical Journal B, 2010, 77, 459-468.	1.5	70
2	Morphology of field reversals in turbulent dynamos. Europhysics Letters, 2010, 90, 49001.	2.0	50
3	Effect of magnetic boundary conditions on the dynamo threshold of von Kármán swirling flows. Europhysics Letters, 2008, 82, 29001.	2.0	48
4	Instabilities in magnetized spherical Couette flow. Physical Review E, 2011, 84, 026308.	2.1	45
5	Direct numerical simulations of the galactic dynamo in the kinematic growing phase. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 394, L84-L88.	3.3	40
6	A numerical model of the VKS experiment. Europhysics Letters, 2009, 87, 39002.	2.0	37
7	Observation of a Free-Shercliff-Layer Instability in Cylindrical Geometry. Physical Review Letters, 2012, 108, 154502.	7.8	33
8	The role of boundaries in the magnetorotational instability. Physics of Fluids, 2012, 24, .	4.0	26
9	A new deterministic model for chaotic reversals. European Physical Journal B, 2012, 85, 1.	1.5	25
10	Bypassing Cowling's Theorem in Axisymmetric Fluid Dynamos. Physical Review Letters, 2008, 101, 144502.	7.8	24
11	A magnetically driven equatorial jet in Europa's ocean. Nature Astronomy, 2019, 3, 401-407.	10.1	20
12	Bistability between Equatorial and Axial Dipoles during Magnetic Field Reversals. Physical Review Letters, 2012, 108, 234501.	7.8	16
13	Instability in electromagnetically driven flows. I. Physics of Fluids, 2016, 28, .	4.0	11
14	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \text{noise and long-term memory of coherent structures in a turbulent shear flow. Physical Review E, 2019, 99, 023106.}$	2.1	11
15	Fluctuations of Electrical Conductivity: A New Source for Astrophysical Magnetic Fields. Physical Review Letters, 2016, 116, 161102.	7.8	10
16	Instability in electromagnetically driven flows. II. Physics of Fluids, 2016, 28, .	4.0	9
17	Capillary wave turbulence experiments in microgravity. Europhysics Letters, 2019, 128, 34001.	2.0	8
18	Dynamo generated by the centrifugal instability. Physical Review Fluids, 2016, 1, .	2.5	8

#	ARTICLE	IF	CITATIONS
19	Dipole-quadrupole dynamics during magnetic field reversals. <i>Physical Review E</i> , 2010, 82, 056302.	2.1	6
20	The Taylor-vortex dynamo. <i>Physics of Fluids</i> , 2014, 26, 044101.	4.0	6
21	Magnetohydrodynamics of stably stratified regions in planets and stars. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 336-355.	1.2	6
22	Instabilities of MHD flows driven by traveling magnetic fields. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	5
23	Enhanced dynamo growth in nonhomogeneous conducting fluids. <i>Physical Review E</i> , 2021, 104, 015110.	2.1	4
24	Turbulence in electromagnetically driven Keplerian flows. <i>Journal of Fluid Mechanics</i> , 2021, 924, .	3.4	4
25	Energy transfers during dynamo reversals. <i>Europhysics Letters</i> , 2013, 104, 69002.	2.0	2
26	Dynamo efficiency controlled by hydrodynamic bistability. <i>Physical Review E</i> , 2014, 89, 063023.	2.1	2
27	Wave-induced motion of magnetic spheres. <i>Europhysics Letters</i> , 2015, 112, 50003.	2.0	2
28	Effect of fluctuations on mean-field dynamos. <i>Journal of Plasma Physics</i> , 2018, 84, .	2.1	2
29	Publisher's Note: Dynamo efficiency controlled by hydrodynamic bistability [Phys. Rev. E89, 063023 (2014)]. <i>Physical Review E</i> , 2014, 90, .	2.1	1
30	Reversals of the magnetic field generated by a turbulent flow. <i>Springer Proceedings in Physics</i> , 2009, , 801-808.	0.2	0