

# Maxime Lesur

## List of Publications by Year in descending order

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45  
papers

561  
citations

687363

13  
h-index

677142

22  
g-index

45  
all docs

45  
docs citations

45  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sheath size and Child's Langmuir law in one dimensional bounded plasma system in the presence of an oblique magnetic field: PIC results. <i>Physics of Plasmas</i> , 2021, 28, 083501.	1.9	6
2	Validity limits of the passive treatment of impurities in gyrokinetic tokamak simulations. <i>Nuclear Fusion</i> , 2020, 60, 036016.	3.5	7
3	Impurity pinch generated by trapped particle driven turbulence. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 095018.	2.1	4
4	Test particle dynamics in low-frequency tokamak turbulence. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	0
5	Diffusive impurity transport driven by trapped particle turbulence in tokamak plasmas. <i>Physics of Plasmas</i> , 2019, 26, 082306.	1.9	8
6	Stability analysis of secondary modes, driven by the phase space island. <i>Nuclear Fusion</i> , 2019, 59, 086010.	3.5	2
7	The plasma-wall transition with collisions and an oblique magnetic field: Reversal of potential drops at grazing incidences. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	5
8	Subcritical Instabilities in Neutral Fluids and Plasmas. <i>Fluids</i> , 2018, 3, 89.	1.7	3
9	Island Stability in Phase Space. <i>Journal of Physics: Conference Series</i> , 2018, 1125, 012009.	0.4	1
10	Radial density and heat fluxes description in the velocity space: Nonlinear simulations and quasi-linear calculations. <i>Physics of Plasmas</i> , 2018, 25, 122304.	1.9	4
11	Nonlinear wave-particle interaction behaviors driven by energetic ions in the HL-2A Tokamak. <i>Nuclear Fusion</i> , 2018, 58, 096028.	3.5	8
12	Impurity density gradient influence on trapped particle modes. <i>Physics of Plasmas</i> , 2018, 25, 062307.	1.9	4
13	Toroidal momentum channeling of geodesic acoustic modes driven by fast ions. <i>Nuclear Fusion</i> , 2017, 57, 036025.	3.5	12
14	A simple model for electron dissipation in trapped ion turbulence. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	7
15	Observation of subcritical geodesic acoustic mode excitation in the large helical device. <i>Nuclear Fusion</i> , 2017, 57, 072009.	3.5	2
16	Role of phase space structures in collisionless drift wave turbulence and impact on transport modeling. <i>Nuclear Fusion</i> , 2017, 57, 072006.	3.5	6
17	Transport hysteresis and zonal flow stimulation in magnetized plasmas. <i>Nuclear Fusion</i> , 2017, 57, 124001.	3.5	4
18	Enhancement and suppression of turbulence by energetic-particle-driven geodesic acoustic modes. <i>Scientific Reports</i> , 2017, 7, 16767.	3.3	20

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19	A branch of energetic-particle driven geodesic acoustic modes due to magnetic drift resonance. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	21
20	Nonlinear excitation of subcritical fast ion-driven modes. <i>Nuclear Fusion</i> , 2016, 56, 056009.	3.5	7
21	On the relationship between residual zonal flows and bump-on tail saturated instabilities.. <i>Journal of Physics: Conference Series</i> , 2016, 775, 012004.	0.4	1
22	A Concept of Cross-Ferroc Plasma Turbulence. <i>Scientific Reports</i> , 2016, 6, 22189.	3.3	72
23	Stimulated zonal flow generation in the case of TEM and TIM microturbulence. <i>Physics of Plasmas</i> , 2016, 23, 092507.	1.9	8
24	Eddy, drift wave and zonal flow dynamics in a linear magnetized plasma. <i>Scientific Reports</i> , 2016, 6, 33371.	3.3	26
25	Strong Destabilization of Stable Modes with a Half-Frequency Associated with Chirping Geodesic Acoustic Modes in the Large Helical Device. <i>Physical Review Letters</i> , 2016, 116, 015002.	7.8	36
26	Nonlinear Excitation of Subcritical Instabilities in a Toroidal Plasma. <i>Physical Review Letters</i> , 2016, 116, 015003.	7.8	24
27	Method- and scheme-independent entropy production in turbulent kinetic simulations. <i>Computer Physics Communications</i> , 2016, 200, 182-189.	7.5	3
28	Onset condition of the subcritical geodesic acoustic mode instability in the presence of energetic-particle-driven geodesic acoustic mode. <i>Plasma Physics Reports</i> , 2016, 42, 418-423.	0.9	8
29	Test of the Telegraph Equation for Transport Dynamics in Plasma. <i>Plasma and Fusion Research</i> , 2015, 10, 1203002-1203002.	0.7	2
30	Evaluation of Non-Linear Mode Coupling During End-Plate Biasing Experiment in PANTA. <i>Plasma and Fusion Research</i> , 2015, 10, 3401043-3401043.	0.7	4
31	Dynamics of Structures in Configuration Space and Phase Space: An Introductory Tutorial. , 2015, , 81-113.		0
32	Ion temperature gradient driven turbulence with strong trapped ion resonance. <i>Physics of Plasmas</i> , 2014, 21, 102303.	1.9	13
33	End plate biasing experiments in linear magnetized plasmas. <i>Nuclear Fusion</i> , 2014, 54, 114010.	3.5	15
34	Phase-space jets drive transport and anomalous resistivity. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	9
35	Nonlinear current-driven ion-acoustic instability driven by phase-space structures. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 075005.	2.1	35
36	Relative Dispersion of Trapped Ion Granulations in Sheared Flows. <i>Plasma and Fusion Research</i> , 2014, 9, 3403018-3403018.	0.7	5

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37	Identification of Quasi-Periodic Nonlinear Waveforms in Turbulent Plasmas. Plasma and Fusion Research, 2014, 9, 1201016-1201016.	0.7	11
38	Nonlinear instabilities driven by coherent phase-space structures. Physical Review E, 2013, 87, .	2.1	28
39	Effects of collisions on energetic particle-driven chirping bursts. Physics of Plasmas, 2013, 20, .	1.9	13
40	Evaluation of Excitation Conditions of ITG Modes in the PANTA. Plasma and Fusion Research, 2013, 8, 2403133-2403133.	0.7	5
41	Nonlinear categorization of the energetic-beam-driven instability with drag and diffusion. Nuclear Fusion, 2012, 52, 094004.	3.5	27
42	Nonlinear modification of the stability of fast particle driven modes in tokamaks. Plasma Physics and Controlled Fusion, 2010, 52, 124034.	2.1	6
43	Existence of Metastable Kinetic Modes. Physical Review Letters, 2010, 105, 205002.	7.8	5
44	Spectroscopic determination of kinetic parameters for frequency sweeping Alfvén eigenmodes. Physics of Plasmas, 2010, 17, .	1.9	33
45	Fully nonlinear features of the energetic beam-driven instability. Physics of Plasmas, 2009, 16, .	1.9	41