

Simone Landi

List of Publications by Year in descending order

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91
papers

2,806
citations

126708

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197535

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docs citations

95
times ranked

2227
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion-scale Transition of Plasma Turbulence: Pressure-Strain Effect. <i>Astrophysical Journal</i> , 2022, 930, 48.	1.6	9
2	Variation of Grain Yield, Grain Protein Content and Nitrogen Use Efficiency Components under Different Nitrogen Rates in Mediterranean Durum Wheat Genotypes. <i>Agriculture (Switzerland)</i> , 2022, 12, 916.	1.4	9
3	Fermentation of Biodegradable Organic Waste by the Family Thermotogaceae. <i>Resources</i> , 2021, 10, 34.	1.6	13
4	Scale dependence and cross-scale transfer of kinetic energy in compressible hydrodynamic turbulence at moderate Reynolds numbers. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	4
5	Autotrophic vs. Heterotrophic Cultivation of the Marine Diatom <i>Cyclotella cryptica</i> for EPA Production. <i>Marine Drugs</i> , 2021, 19, 355.	2.2	18
6	Improvement of CO ₂ and Acetate Coupling into Lactic Acid by Genetic Manipulation of the Hyperthermophilic Bacterium <i>Thermotoga neapolitana</i> . <i>Microorganisms</i> , 2021, 9, 1688.	1.6	4
7	Spacetime Hall-MHD Turbulence at Sub-ion Scales: Structures or Waves?. <i>Astrophysical Journal Letters</i> , 2021, 917, L12.	3.0	9
8	Advanced Applications for Protein and Compounds from Microalgae. <i>Plants</i> , 2021, 10, 1686.	1.6	8
9	Spectral Transfer and Howarth-Monin Equations for Compressible Hall Magnetohydrodynamics. <i>Astrophysical Journal</i> , 2021, 917, 101.	1.6	12
10	Wild and Traditional Barley Genomic Resources as a Tool for Abiotic Stress Tolerance and Biotic Relations. <i>Agriculture (Switzerland)</i> , 2021, 11, 1102.	1.4	4
11	Ambipolar Electric Field and Potential in the Solar Wind Estimated from Electron Velocity Distribution Functions. <i>Astrophysical Journal</i> , 2021, 921, 83.	1.6	14
12	Different G6PDH isoforms show specific roles in acclimation to cold stress at various growth stages of barley (<i>Hordeum vulgare</i>) and <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 169, 190-202.	2.8	8
13	Properties of Hall-MHD Turbulence at Sub-Ion Scales: Spectral Transfer Analysis. <i>Atmosphere</i> , 2021, 12, 1632.	1.0	4
14	Salt Stress Induces Differentiated Nitrogen Uptake and Antioxidant Responses in Two Contrasting Barley Landraces from MENA Region. <i>Agronomy</i> , 2020, 10, 1426.	1.3	14
15	Multidimensional Iterative Filtering: a new approach for investigating plasma turbulence in numerical simulations. <i>Journal of Plasma Physics</i> , 2020, 86, .	0.7	12
16	Bioinformatic Characterization of Sulfotransferase Provides New Insights for the Exploitation of Sulfated Polysaccharides in <i>Caulerpa</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6681.	1.8	5
17	<i>In Situ</i> Observation of Hall Magnetohydrodynamic Cascade in Space Plasma. <i>Physical Review Letters</i> , 2020, 124, 225101.	2.9	43
18	Nitrogen assimilation under different nitrate nutrition in Tunisian durum wheat landraces and improved genotypes. <i>Plant Biosystems</i> , 2020, 154, 924-934.	0.8	6

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19	Coronal Electron Temperature Inferred from the Strahl Electrons in the Inner Heliosphere: Parker Solar Probe and Helios Observations. <i>Astrophysical Journal</i> , 2020, 892, 88.	1.6	34
20	Modeling MMS Observations at the Earth's Magnetopause with Hybrid Simulations of Alfvénic Turbulence. <i>Astrophysical Journal</i> , 2020, 898, 175.	1.6	17
21	Different Roles of Heat Shock Proteins (70 kDa) During Abiotic Stresses in Barley (<i>Hordeum vulgare</i>) Genotypes. <i>Plants</i> , 2019, 8, 248.	1.6	27
22	Annual outdoor cultivation of the diatom <i>Thalassiosira weissflogii</i> : productivity, limits and perspectives. <i>Algal Research</i> , 2019, 42, 101553.	2.4	24
23	Fast Magnetic Reconnection: Secondary Tearing Instability and Role of the Hall Term. <i>Astrophysical Journal</i> , 2019, 885, 56.	1.6	16
24	Turbulence versus Fire-hose Instabilities: 3D Hybrid Expanding Box Simulations. <i>Astrophysical Journal</i> , 2019, 883, 178.	1.6	18
25	Physiological and Molecular Osmotic Stress Responses in Three Durum Wheat (<i>Triticum Turgidum</i> ssp) Tj ETQq1 1 0.784314 r _g BT /Over	1.3	17
26	Capnophilic Lactic Fermentation from <i>Thermotoga neapolitana</i> : A Resourceful Pathway to Obtain Almost Enantiopure L-lactic Acid. <i>Fermentation</i> , 2019, 5, 34.	1.4	12
27	Scattering of strahl electrons in the solar wind between 0.3 and 1 au: Helios observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3404-3414.	1.6	58
28	Salinity and ABA Seed Responses in Pepper: Expression and Interaction of ABA Core Signaling Components. <i>Frontiers in Plant Science</i> , 2019, 10, 304.	1.7	20
29	Three-dimensional local anisotropy of velocity fluctuations in the solar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3006-3018.	1.6	10
30	Impact of Nitrogen Nutrition on <i>Cannabis sativa</i> : An Update on the Current Knowledge and Future Prospects. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5803.	1.8	19
31	Can Hall Magnetohydrodynamics Explain Plasma Turbulence at Sub-ion Scales?. <i>Astrophysical Journal</i> , 2019, 870, 52.	1.6	49
32	Patatin-like lipolytic acyl hydrolases and galactolipid metabolism in marine diatoms of the genus <i>Pseudo-nitzschia</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 181-190.	1.2	13
33	Whole-genome re-sequencing of two Italian tomato landraces reveals sequence variations in genes associated with stress tolerance, fruit quality and long shelf-life traits. <i>DNA Research</i> , 2018, 25, 149-160.	1.5	68
34	Solar Wind Turbulent Cascade from MHD to Sub-ion Scales: Large-size 3D Hybrid Particle-in-cell Simulations. <i>Astrophysical Journal</i> , 2018, 853, 26.	1.6	69
35	Sub-structure formation in starless cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1288-1295.	1.6	3
36	Fast magnetic reconnection: The <i>ideal</i> tearing instability in classic, Hall, and relativistic plasmas.. <i>Journal of Physics: Conference Series</i> , 2018, 1031, 012020.	0.3	5

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37	Three-dimensional simulations of solar wind turbulence with the hybrid code CAMELIA. Journal of Physics: Conference Series, 2018, 1031, 012002.	0.3	19
38	Early responses to cadmium exposure in barley plants: effects on biometric and physiological parameters. Acta Physiologiae Plantarum, 2018, 40, 1.	1.0	19
39	Mechanism(s) of action of heavy metals to investigate the regulation of plastidic glucose-6-phosphate dehydrogenase. Scientific Reports, 2018, 8, 13481.	1.6	8
40	von Kármán–Howarth Equation for Hall Magnetohydrodynamics: Hybrid Simulations. Astrophysical Journal Letters, 2018, 857, L19.	3.0	55
41	Activation of MHD reconnection on ideal timescales. Plasma Physics and Controlled Fusion, 2017, 59, 014052.	0.9	5
42	In-field study on traditional Italian tomato landraces: The constitutive activation of the ROS scavenging machinery reduces effects of drought stress. Plant Physiology and Biochemistry, 2017, 118, 150-160.	2.8	32
43	Mirror Instability in the Turbulent Solar Wind. Astrophysical Journal, 2017, 838, 158.	1.6	25
44	Plasma turbulence at ion scales: a comparison between particle in cell and Eulerian hybrid-kinetic approaches. Journal of Plasma Physics, 2017, 83, .	0.7	34
45	Magnetic Reconnection as a Driver for a Sub-ion-scale Cascade in Plasma Turbulence. Astrophysical Journal Letters, 2017, 850, L16.	3.0	92
46	Poaceae vs. Abiotic Stress: Focus on Drought and Salt Stress, Recent Insights and Perspectives. Frontiers in Plant Science, 2017, 8, 1214.	1.7	99
47	Nitrate Uptake Affects Cell Wall Synthesis and Modeling. Frontiers in Plant Science, 2017, 8, 1376.	1.7	28
48	Improving Plant Water Use Efficiency through Molecular Genetics. Horticulturae, 2017, 3, 31.	1.2	73
49	The<i>ideal</i> tearing mode: theory and resistive MHD simulations. Journal of Physics: Conference Series, 2016, 719, 012016.	0.3	11
50	PLASMA BETA DEPENDENCE OF THE ION-SCALE SPECTRAL BREAK OF SOLAR WIND TURBULENCE: HIGH-RESOLUTION 2D HYBRID SIMULATIONS. Astrophysical Journal, 2016, 833, 91.	1.6	65
51	Glucose-6-phosphate dehydrogenase plays a central role in the response of tomato (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 79-89.	2.8	85
52	Two-dimensional hybrid simulations of kinetic plasma turbulence: Current and vorticity vs proton temperature. AIP Conference Proceedings, 2016, , .	0.3	9
53	â€™Ideallyâ€™ unstable current sheets and the triggering of fast magnetic reconnection. Journal of Plasma Physics, 2016, 82, .	0.7	35
54	Fast reconnection in relativistic plasmas: the magnetohydrodynamics tearing instability revisited. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3753-3765.	1.6	56

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55	FIRE HOSE INSTABILITY DRIVEN BY ALPHA PARTICLE TEMPERATURE ANISOTROPY. <i>Astrophysical Journal</i> , 2015, 812, 13.	1.6	22
56	PLASMA TURBULENCE AND KINETIC INSTABILITIES AT ION SCALES IN THE EXPANDING SOLAR WIND. <i>Astrophysical Journal Letters</i> , 2015, 811, L32.	3.0	43
57	HIGH-RESOLUTION HYBRID SIMULATIONS OF KINETIC PLASMA TURBULENCE AT PROTON SCALES. <i>Astrophysical Journal</i> , 2015, 812, 21.	1.6	90
58	SOLAR WIND TURBULENCE FROM MHD TO SUB-ION SCALES: HIGH-RESOLUTION HYBRID SIMULATIONS. <i>Astrophysical Journal Letters</i> , 2015, 804, L39.	3.0	57
59	Parametric decay of parallel and oblique Alfvén waves in the expanding solar wind. <i>Journal of Plasma Physics</i> , 2015, 81, .	0.7	35
60	Expression and characterization of a cytosolic glucose 6 phosphate dehydrogenase isoform from barley (<i>Hordeum vulgare</i>) roots. <i>Protein Expression and Purification</i> , 2015, 112, 8-14.	0.6	39
61	ANISOTROPY OF THIRD-ORDER STRUCTURE FUNCTIONS IN MHD TURBULENCE. <i>Astrophysical Journal</i> , 2015, 804, 119.	1.6	45
62	RESISTIVE MAGNETOHYDRODYNAMICS SIMULATIONS OF THE IDEAL TEARING MODE. <i>Astrophysical Journal</i> , 2015, 806, 131.	1.6	54
63	ELECTRON HEAT FLUX IN THE SOLAR WIND: ARE WE OBSERVING THE COLLISIONAL LIMIT IN THE 1 AU DATA?. <i>Astrophysical Journal Letters</i> , 2014, 790, L12.	3.0	25
64	Low-Level Laser Therapy and Vibration Therapy for the Treatment of Localized Adiposity and Fibrous Cellulite. <i>Dermatology and Therapy</i> , 2013, 3, 41-52.	1.4	31
65	A New Minimally Invasive Mesotherapy Technique for Facial Rejuvenation. <i>Dermatology and Therapy</i> , 2013, 3, 83-93.	1.4	47
66	Signatures of kinetic instabilities in the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2771-2782.	0.8	68
67	Proton temperature anisotropy and current sheet stability: 2-D hybrid simulations. , 2013, , .		0
68	PROTON TEMPERATURE ANISOTROPY AND MAGNETIC RECONNECTION IN THE SOLAR WIND: EFFECTS OF KINETIC INSTABILITIES ON CURRENT SHEET STABILITY. <i>Astrophysical Journal</i> , 2013, 763, 142.	1.6	24
69	On the unconstrained expansion of a spherical plasma cloud turning collisionless: case of a cloud generated by a nanometre dust grain impact on an uncharged target in space. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 045005.	0.9	19
70	Parametric decay of large-amplitude Alfvén waves: MHD and hybrid simulations. , 2012, , .		1
71	ON THE COMPETITION BETWEEN RADIAL EXPANSION AND COULOMB COLLISIONS IN SHAPING THE ELECTRON VELOCITY DISTRIBUTION FUNCTION: KINETIC SIMULATIONS. <i>Astrophysical Journal</i> , 2012, 760, 143.	1.6	56
72	Ion Kinetics in the Solar Wind: Coupling Global Expansion to Local Microphysics. <i>Space Science Reviews</i> , 2012, 172, 373-396.	3.7	95

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73	Three-Dimensional Simulations of Magnetic Reconnection with or Without Velocity Shears. Space Science Reviews, 2012, 172, 253-269.	3.7	8
74	Ion Kinetics in the Solar Wind: Coupling Global Expansion to Local Microphysics. Space Sciences Series of ISSI, 2011, , 373-396.	0.0	0
75	Radial Evolution of the Electron Velocity Distribution in the Heliosphere: Role of Collisions. AIP Conference Proceedings, 2010, , .	0.3	6
76	On the role of wave-particle interactions in the evolution of solar wind ion distribution functions. AIP Conference Proceedings, 2010, , .	0.3	4
77	The telescope and the double Fabry-Pérot interferometer for the ADAHELI solar space mission. , 2010, , .		5
78	Kinetics of parametric instabilities of Alfvén waves: Evolution of ion distribution functions. Journal of Geophysical Research, 2010, 115, .	3.3	58
79	Parametric decay of linearly polarized shear Alfvén waves in oblique propagation: One and two-dimensional hybrid simulations. Geophysical Research Letters, 2010, 37, .	1.5	46
80	Three-dimensional evolution of magnetic and velocity shear driven instabilities in a compressible magnetized jet. Physics of Plasmas, 2009, 16, .	0.7	13
81	Magnetic and Velocity Shear Driven Instabilities in the Heliospheric Plasma. Earth, Moon and Planets, 2009, 104, 135-137.	0.3	0
82	Species segregation in one-dimensional granular-system simulations. European Physical Journal E, 2008, 25, 201-212.	0.7	1
83	Three-dimensional simulations of compressible tearing instability. Physics of Plasmas, 2008, 15, .	0.7	26
84	Evolution of the solar wind proton temperature anisotropy from 0.3 to 2.5 AU. Geophysical Research Letters, 2007, 34, .	1.5	177
85	Heliospheric magnetic field polarity inversions driven by radial velocity field structures. Geophysical Research Letters, 2006, 33, .	1.5	50
86	Parallel proton fire hose instability in the expanding solar wind: Hybrid simulations. Journal of Geophysical Research, 2006, 111, .	3.3	79
87	Tearing and Kelvin-Helmholtz instabilities in the heliospheric plasma. Astronomy and Astrophysics, 2006, 452, 321-330.	2.1	21
88	Alfvén Waves and Shock Wave Formation at an X-Point Magnetic Field Configuration. Astrophysical Journal, 2005, 624, 392-401.	1.6	40
89	Acceleration of Weakly Collisional Solar-Type Winds. Astrophysical Journal, 2005, 626, L117-L120.	1.6	41
90	On the temperature profile and heat flux in the solar corona: Kinetic simulations. Astronomy and Astrophysics, 2001, 372, 686-701.	2.1	48

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91	A Simulation Method for Semicollisional Plasmas. <i>Astrophysics and Space Science</i> , 2001, 277, 149-152.	0.5	4