

Gwenael Giacinti

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

784
citations

623734

14
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

838
citing authors

#	ARTICLE	IF	CITATIONS
1	The Implications of TeV-detected GRB Afterglows for Acceleration at Relativistic Shocks. <i>Astrophysical Journal</i> , 2022, 925, 182.	4.5	10
2	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. <i>Astrophysical Journal</i> , 2022, 928, 116.	4.5	6
3	Evidence of 200 TeV Photons from HAWC J1825-134. <i>Astrophysical Journal Letters</i> , 2021, 907, L30.	8.3	34
4	Ultra-high Energy Inverse Compton Emission from Galactic Electron Accelerators. <i>Astrophysical Journal Letters</i> , 2021, 908, L49.	8.3	21
5	Cosmic-ray current-driven instabilities “revisiting environmental conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4137-4153.	4.4	6
6	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. <i>Nature Astronomy</i> , 2021, 5, 465-471.	10.1	62
7	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. <i>Astrophysical Journal</i> , 2021, 911, 143.	4.5	14
8	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. <i>Astrophysical Journal Letters</i> , 2021, 911, L27.	8.3	32
9	Direct Numerical Simulations of Cosmic-ray Acceleration at Dense Circumstellar Medium: Magnetic-field Amplification and Maximum Energy. <i>Astrophysical Journal</i> , 2021, 922, 7.	4.5	12
10	Formation of giant plasmoids at the pulsar wind termination shock: A possible origin of the inner-ring knots in the Crab Nebula. <i>Astronomy and Astrophysics</i> , 2021, 656, A91.	5.1	6
11	A global model of particle acceleration at pulsar wind termination shocks. <i>Astronomy and Astrophysics</i> , 2020, 642, A123.	5.1	17
12	Halo fraction in TeV-bright pulsar wind nebulae. <i>Astronomy and Astrophysics</i> , 2020, 636, A113.	5.1	63
13	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. <i>Astrophysical Journal</i> , 2020, 905, 76.	4.5	99
14	Core-collapse supernovae as cosmic ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4470-4485.	4.4	33
15	Undiscovered Pulsar in the Local Bubble as an Explanation of the Local High Energy Cosmic Ray All-Electron Spectrum. <i>Physical Review Letters</i> , 2018, 121, 251106.	7.8	25
16	Constraining the properties of the magnetic turbulence in the Geminga region using HAWC $\hat{\Gamma}^3$ -ray data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4526-4534.	4.4	46
17	Reconciling cosmic ray diffusion with Galactic magnetic field models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 051-051.	5.4	44
18	Acceleration of X-Ray Emitting Electrons in the Crab Nebula. <i>Astrophysical Journal</i> , 2018, 863, 18.	4.5	16

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19	Inductive Spikes in the Crab Nebula: A Theory of γ -Ray Flares. Physical Review Letters, 2017, 119, 211101.	7.8	10
20	Collisionless shocks and TeV neutrinos before Supernova shock breakout from an optically thick wind. Monthly Notices of the Royal Astronomical Society, 2015, 449, 3693-3699.	4.4	14
21	Cosmic-ray acceleration and escape from supernova remnants. Monthly Notices of the Royal Astronomical Society, 2013, 431, 415-429.	4.4	185
22	Filamentary Diffusion of Cosmic Rays on Small Scales. Physical Review Letters, 2012, 108, 261101.	7.8	26