Gwenael Giacinti

List of Publications by Year
in descending order

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	Cosmic-ray acceleration and escape from supernova remnants. Monthly Notices of the Royal Astronomical Society, 2013, 431, 415-429.	4.4	185
2	3HWC: The Third HAWC Catalog of Very-high-energy Gamma-Ray Sources. Astrophysical Journal, 2020, 905, 76.	4.5	99
3	Halo fraction in TeV-bright pulsar wind nebulae. Astronomy and Astrophysics, 2020, 636, A113.	5.1	63
4	HAWC observations of the acceleration of very-high-energy cosmic rays in the Cygnus Cocoon. Nature Astronomy, 2021, 5, 465-471.	10.1	62
5	Constraining the properties of the magnetic turbulence in the Geminga region using HAWC Î³-ray data. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4526-4534.	4.4	46
6	Reconciling cosmic ray diffusion with Galactic magnetic field models. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 051-051.	5.4	44
7	Evidence of 200 TeV Photons from HAWC J1825-134. Astrophysical Journal Letters, 2021, 907, L30.	8.3	34
8	Core-collapse supernovae as cosmic ray sources. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4470-4485.	4.4	33
9	Evidence that Ultra-high-energy Gamma Rays Are a Universal Feature near Powerful Pulsars. Astrophysical Journal Letters, 2021, 911, L27.	8.3	32
10	Filamentary Diffusion of Cosmic Rays on Small Scales. Physical Review Letters, 2012, 108, 261101.	7.8	26
11	Undiscovered Pulsar in the Local Bubble as an Explanation of the Local High Energy Cosmic Ray All-Electron Spectrum. Physical Review Letters, 2018, 121, 251106.	7.8	25
12	Ultra-high Energy Inverse Compton Emission from Galactic Electron Accelerators. Astrophysical Journal Letters, 2021, 908, L49.	8.3	21
13	A global model of particle acceleration at pulsar wind termination shocks. Astronomy and Astrophysics, 2020, 642, A123.	5.1	17
14	Acceleration of X-Ray Emitting Electrons in the Crab Nebula. Astrophysical Journal, 2018, 863, 18.	4.5	16
15	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
16	Spectrum and Morphology of the Very-high-energy Source HAWC J2019+368. Astrophysical Journal, 2021, 911, 143.	4.5	14
17	Direct Numerical Simulations of Cosmic-ray Acceleration at Dense Circumstellar Medium: Magnetic-field Amplification and Maximum Energy. Astrophysical Journal, 2021, 922, 7.	4.5	12
18	Inductive Spikes in the Crab Nebula: A Theory of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> -Ray Flares. Physical Review Letters, 2017, 119, 211101.	7.8	10

#	Article	IF	Citations
19	The Implications of TeV-detected GRB Afterglows for Acceleration at Relativistic Shocks. Astrophysical Journal, 2022, 925, 182.	4.5	10
20	Cosmic-ray current-driven instabilities â€“ revisiting environmental conditions. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4137-4153.	4.4	6
21	Formation of giant plasmoids at the pulsar wind termination shock: A possible origin of the inner-ring knots in the Crab Nebula. Astronomy and Astrophysics, 2021, 656, A91.	5.1	6
22	HAWC Study of the Ultra-high-energy Spectrum of MGRO J1908+06. Astrophysical Journal, 2022, 928, 116.	4.5	6