

Frank M Rieger

List of Publications by Year in descending order

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32
papers

890
citations

471509

17
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

1368
citing authors

#	ARTICLE	IF	CITATIONS
1	VARIABLE TeV EMISSION AS A MANIFESTATION OF JET FORMATION IN M87?. <i>Astrophysical Journal</i> , 2011, 730, 123.	4.5	122
2	Fermi acceleration in astrophysical jets. <i>Astrophysics and Space Science</i> , 2007, 309, 119-125.	1.4	106
3	On the Geometrical Origin of Periodicity in Blazar-type Sources. <i>Astrophysical Journal</i> , 2004, 615, L5-L8.	4.5	103
4	Shear Acceleration in Relativistic Astrophysical Jets. <i>Astrophysical Journal</i> , 2004, 617, 155-161.	4.5	94
5	A Microscopic Analysis of Shear Acceleration. <i>Astrophysical Journal</i> , 2006, 652, 1044-1049.	4.5	52
6	Particle Acceleration in Mildly Relativistic Shearing Flows: The Interplay of Systematic and Stochastic Effects, and the Origin of the Extended High-energy Emission in AGN Jets. <i>Astrophysical Journal</i> , 2017, 842, 39.	4.5	43
7	An Introduction to Particle Acceleration in Shearing Flows. <i>Galaxies</i> , 2019, 7, 78.	3.0	42
8	NONTHERMAL PROCESSES IN BLACK HOLE-JET MAGNETOSPHERES – INVITED REVIEW. <i>International Journal of Modern Physics D</i> , 2011, 20, 1547-1596.	2.1	36
9	TeV astronomy. <i>Frontiers of Physics</i> , 2013, 8, 714-747.	5.0	36
10	Radio Galaxies at VHE Energies. <i>Galaxies</i> , 2018, 6, 116.	3.0	36
11	Gamma-Ray Astrophysics in the Time Domain. <i>Galaxies</i> , 2019, 7, 28.	3.0	22
12	Particle Acceleration in Gamma-Ray Burst Jets. <i>Astrophysical Journal</i> , 2005, 632, L21-L24.	4.5	21
13	Supermassive binary black holes among cosmic gamma-ray sources. <i>Astrophysics and Space Science</i> , 2007, 309, 271-275.	1.4	21
14	Particle Acceleration in Shearing Flows: Efficiencies and Limits. <i>Astrophysical Journal Letters</i> , 2019, 886, L26.	8.3	21
15	SHEAR ACCELERATION IN EXPANDING FLOWS. <i>Astrophysical Journal</i> , 2016, 833, 34.	4.5	19
16	Energy distribution of relativistic electrons in the kiloparsec scale jet of M 87 with <i>Chandra</i> . <i>Astronomy and Astrophysics</i> , 2018, 612, A106.	5.1	19
17	PROBING THE CENTRAL BLACK HOLE IN M87 WITH GAMMA-RAYS. <i>Modern Physics Letters A</i> , 2012, 27, 1230030.	1.2	17
18	Magnetospheric Gamma-Ray Emission in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2018, 852, 112.	4.5	17

#	ARTICLE	IF	CITATIONS
19	Turbulence and Particle Acceleration in Shearing Flows. <i>Astrophysical Journal Letters</i> , 2021, 907, L2.	8.3	12
20	Gap-type Particle Acceleration in the Magnetospheres of Rotating Supermassive Black Holes. <i>Astrophysical Journal</i> , 2020, 895, 99.	4.5	11
21	Complex gamma-ray behavior of the radio galaxy M 87. <i>Astronomy and Astrophysics</i> , 2019, 623, A2.	5.1	9
22	Particle acceleration in shearing flows: the case for large-scale jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1334-1341.	4.4	9
23	Particle Acceleration in Relativistic Shearing Flows: Energy Spectrum. <i>Astrophysical Journal</i> , 2022, 933, 149.	4.5	6
24	Gamma-rays from non-blazar AGN. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
25	On the origin of very high energy $\hat{\gamma}$ -rays from radio galaxies. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	4
26	ON PARTICLE ACCELERATION IN ROTATING AGN FLOWS. <i>International Journal of Modern Physics D</i> , 2009, 18, 1651-1654.	2.1	3
27	Constraining Cosmic-Ray Acceleration in the Magnetospheric Gaps of Sgr A*. <i>Astrophysical Journal Letters</i> , 2020, 899, L7.	8.3	2
28	Convex X-ray spectra of PKS 2155-304 and constraints on the minimum electron energy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3996-4006.	4.4	1
29	On Supermassive Binary Black Holes in AGNs. , 2008, , .		0
30	On the Origin of VHE Gamma-Ray Emission in M87. , 2008, , .		0
31	Deep observation of the giant radio lobes of Centaurus A with the Fermi large area telescope. , 2012, , .		0
32	HIGH ENERGY GAMMA RAYS FROM CENTAURUS A. , 2015, , .		0