

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	Particle Acceleration in Relativistic Shearing Flows: Energy Spectrum. <i>Astrophysical Journal</i> , 2022, 933, 149.	4.5	6
2	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
3	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
4	Turbulence and Particle Acceleration in Shearing Flows. <i>Astrophysical Journal Letters</i> , 2021, 907, L2.	8.3	12
5	Gap-type Particle Acceleration in the Magnetospheres of Rotating Supermassive Black Holes. <i>Astrophysical Journal</i> , 2020, 895, 99.	4.5	11
6	Constraining Cosmic-Ray Acceleration in the Magnetospheric Gaps of Sgr A*. <i>Astrophysical Journal Letters</i> , 2020, 899, L7.	8.3	2
7	An Introduction to Particle Acceleration in Shearing Flows. <i>Galaxies</i> , 2019, 7, 78.	3.0	42
8	Gamma-Ray Astrophysics in the Time Domain. <i>Galaxies</i> , 2019, 7, 28.	3.0	22
9	Complex gamma-ray behavior of the radio galaxy M 87. <i>Astronomy and Astrophysics</i> , 2019, 623, A2.	5.1	9
10	Particle Acceleration in Shearing Flows: Efficiencies and Limits. <i>Astrophysical Journal Letters</i> , 2019, 886, L26.	8.3	21
11	Radio Galaxies at VHE Energies. <i>Galaxies</i> , 2018, 6, 116.	3.0	36
12	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
13	Magnetospheric Gamma-Ray Emission in Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2018, 852, 112.	4.5	17
14	Gamma-rays from non-blazar AGN. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
15	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
16	SHEAR ACCELERATION IN EXPANDING FLOWS. <i>Astrophysical Journal</i> , 2016, 833, 34.	4.5	19
17	HIGH ENERGY GAMMA RAYS FROM CENTAURUS A. , 2015, , .		0
18	TeV astronomy. <i>Frontiers of Physics</i> , 2013, 8, 714-747.	5.0	36

#	ARTICLE	IF	CITATIONS
19	Deep observation of the giant radio lobes of Centaurus A with the Fermi large area telescope. , 2012, , .		0
20	On the origin of very high energy $\hat{\Gamma}^3$ -rays from radio galaxies. AIP Conference Proceedings, 2012, , .	0.4	4
21	PROBING THE CENTRAL BLACK HOLE IN M87 WITH GAMMA-RAYS. Modern Physics Letters A, 2012, 27, 1230030.	1.2	17
22	VARIABLE TeV EMISSION AS A MANIFESTATION OF JET FORMATION IN M87?. Astrophysical Journal, 2011, 730, 123.	4.5	122
23	NONTHERMAL PROCESSES IN BLACK HOLE-JET MAGNETOSPHERES " INVITED REVIEW. International Journal of Modern Physics D, 2011, 20, 1547-1596.	2.1	36
24	ON PARTICLE ACCELERATION IN ROTATING AGN FLOWS. International Journal of Modern Physics D, 2009, 18, 1651-1654.	2.1	3
25	On Supermassive Binary Black Holes in AGNs. , 2008, , .		0
26	On the Origin of VHE Gamma-Ray Emission in M87. , 2008, , .		0
27	Fermi acceleration in astrophysical jets. Astrophysics and Space Science, 2007, 309, 119-125.	1.4	106
28	Supermassive binary black holes among cosmic gamma-ray sources. Astrophysics and Space Science, 2007, 309, 271-275.	1.4	21
29	A Microscopic Analysis of Shear Acceleration. Astrophysical Journal, 2006, 652, 1044-1049.	4.5	52
30	Particle Acceleration in Gamma-Ray Burst Jets. Astrophysical Journal, 2005, 632, L21-L24.	4.5	21
31	Shear Acceleration in Relativistic Astrophysical Jets. Astrophysical Journal, 2004, 617, 155-161.	4.5	94
32	On the Geometrical Origin of Periodicity in Blazar-type Sources. Astrophysical Journal, 2004, 615, L5-L8.	4.5	103