

Sylvain Guiriec

List of Publications by Year in descending order

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64
papers

11,924
citations

87888

38
h-index

106344

65
g-index

65
all docs

65
docs citations

65
times ranked

9684
citing authors

#	ARTICLE	IF	CITATIONS
1	THE LARGE AREA TELESCOPE ON THE <i>FERMI</i> GAMMA-RAY SPACE TELESCOPE MISSION. <i>Astrophysical Journal</i> , 2009, 697, 1071-1102.	4.5	3,048
2	<i>FERMI</i> LARGE AREA TELESCOPE THIRD SOURCE CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2015, 218, 23.	7.7	1,224
3	<i>Fermi</i> Large Area Telescope Fourth Source Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2020, 247, 33.	7.7	817
4	Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C. <i>Science</i> , 2009, 323, 1688-1693.	12.6	523
5	A limit on the variation of the speed of light arising from quantum gravity effects. <i>Nature</i> , 2009, 462, 331-334.	27.8	454
6	THE <i>FERMI</i> LARGE AREA TELESCOPE ON ORBIT: EVENT CLASSIFICATION, INSTRUMENT RESPONSE FUNCTIONS, AND CALIBRATION. <i>Astrophysical Journal</i> , Supplement Series, 2012, 203, 4.	7.7	403
7	<i>FERMI</i> OBSERVATIONS OF GRB 090902B: A DISTINCT SPECTRAL COMPONENT IN THE PROMPT AND DELAYED EMISSION. <i>Astrophysical Journal</i> , 2009, 706, L138-L144.	4.5	364
8	DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF <i>FERMI</i> LARGE AREA TELESCOPE DATA. <i>Astrophysical Journal</i> , Supplement Series, 2016, 223, 26.	7.7	313
9	<i>FERMI</i> OBSERVATIONS OF GRB 090510: A SHORT-HARD GAMMA-RAY BURST WITH AN ADDITIONAL, HARD POWER-LAW COMPONENT FROM 10 keV TO GeV ENERGIES. <i>Astrophysical Journal</i> , 2010, 716, 1178-1190.	4.5	306
10	<i>FERMI</i> -LAT OBSERVATIONS OF HIGH-ENERGY γ -RAY EMISSION TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2016, 819, 44.	4.5	301
11	THE <i>FERMI</i> GBM GAMMA-RAY BURST SPECTRAL CATALOG: FOUR YEARS OF DATA. <i>Astrophysical Journal</i> , Supplement Series, 2014, 211, 12.	7.7	279
12	The Fermi Galactic Center GeV Excess and Implications for Dark Matter. <i>Astrophysical Journal</i> , 2017, 840, 43.	4.5	264
13	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2013, 209, 11.	7.7	232
14	3FHL: The Third Catalog of Hard Fermi-LAT Sources. <i>Astrophysical Journal</i> , Supplement Series, 2017, 232, 18.	7.7	227
15	Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A. <i>Science</i> , 2014, 343, 42-47.	12.6	211
16	DETECTION OF A THERMAL SPECTRAL COMPONENT IN THE PROMPT EMISSION OF GRB 100724B. <i>Astrophysical Journal Letters</i> , 2011, 727, L33.	8.3	205
17	The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. <i>Astrophysical Journal</i> , 2020, 892, 105.	4.5	204
18	Incremental Fermi Large Area Telescope Fourth Source Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2022, 260, 53.	7.7	186

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19	DETECTION OF A SPECTRAL BREAK IN THE EXTRA HARD COMPONENT OF GRB 090926A. <i>Astrophysical Journal</i> , 2011, 729, 114.	4.5	179
20	GRB110721A: AN EXTREME PEAK ENERGY AND SIGNATURES OF THE PHOTOSPHERE. <i>Astrophysical Journal Letters</i> , 2012, 757, L31.	8.3	152
21	MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113. <i>Astrophysical Journal Letters</i> , 2015, 813, L41.	8.3	144
22	SEARCH FOR GAMMA-RAY EMISSION FROM DES DWARF SPHEROIDAL GALAXY CANDIDATES WITH <i><i>FERMI</i></i> -LAT DATA. <i>Astrophysical Journal Letters</i> , 2015, 809, L4.	8.3	131
23	<i><i>SWIFT</i></i> AND <i><i>FERMI</i></i> OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510. <i>Astrophysical Journal Letters</i> , 2010, 709, L146-L151.	8.3	130
24	SEARCH FOR DARK MATTER SATELLITES USING <i><i>FERMI</i></i> -LAT. <i>Astrophysical Journal</i> , 2012, 747, 121.	4.5	130
25	EVIDENCE FOR A PHOTOSPHERIC COMPONENT IN THE PROMPT EMISSION OF THE SHORT GRB 120323A AND ITS EFFECTS ON THE GRB HARDNESS-LUMINOSITY RELATION. <i>Astrophysical Journal</i> , 2013, 770, 32.	4.5	122
26	The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope. <i>Astrophysical Journal</i> , Supplement Series, 2018, 237, 32.	7.7	121
27	HADRONIC MODELS FOR THE EXTRA SPECTRAL COMPONENT IN THE SHORT GRB 090510. <i>Astrophysical Journal</i> , 2009, 705, L191-L194.	4.5	81
28	VERY HIGH ENERGY <i><i>Î³</i></i> -RAYS FROM THE UNIVERSEâ€™S MIDDLE AGE: DETECTION OF THE <i><i>z</i></i> = 0.940 BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
29	TIME-RESOLVED SPECTROSCOPY OF THE THREE BRIGHTEST AND HARDEST SHORT GAMMA-RAY BURSTS OBSERVED WITH THE <i><i>FERMI</i></i> GAMMA-RAY BURST MONITOR. <i>Astrophysical Journal</i> , 2010, 725, 225-241.	4.5	75
30	MULTIWAVELENGTH OBSERVATIONS OF GRB 110731A: GeV EMISSION FROM ONSET TO AFTERGLOW. <i>Astrophysical Journal</i> , 2013, 763, 71.	4.5	75
31	TOWARD A BETTER UNDERSTANDING OF THE GRB PHENOMENON: A NEW MODEL FOR GRB PROMPT EMISSION AND ITS EFFECTS ON THE NEW <i><sub>i</sub><sup>NT</sup></i> â€™ <i><i>E</i></i> <i><sub>peak,i</sub><sup>rest,NT</sup></i> RELATION. <i>Astrophysical Journal</i> , 2015, 807, 148.	4.5	72
32	Search for Extended Sources in the Galactic Plane Using Six Years of Fermi-Large Area Telescope Pass 8 Data above 10 GeV. <i>Astrophysical Journal</i> , 2017, 843, 139.	4.5	70
33	The Second Catalog of Flaring Gamma-Ray Sources from the Fermi All-sky Variability Analysis. <i>Astrophysical Journal</i> , 2017, 846, 34.	4.5	63
34	<i><i>FERMI</i></i> OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 080825C. <i>Astrophysical Journal</i> , 2009, 707, 580-592.	4.5	56
35	Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow. <i>Astrophysical Journal</i> , 2020, 890, 9.	4.5	48
36	THE <i><i>FERMI</i></i> ALL-SKY VARIABILITY ANALYSIS: A LIST OF FLARING GAMMA-RAY SOURCES AND THE SEARCH FOR TRANSIENTS IN OUR GALAXY. <i>Astrophysical Journal</i> , 2013, 771, 57.	4.5	47

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37	Variable jet properties in GRB 110721A: time resolved observations of the jet photosphere. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2739-2748.	4.4	46
38	FERMI-LAT OBSERVATIONS OF THE LIGO EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L2.	8.3	45
39	GRB 131014A: A LABORATORY FOR STUDYING THE THERMAL-LIKE AND NON-THERMAL EMISSIONS IN GAMMA-RAY BURSTS, AND THE NEW $L_{\text{peak}}-E_{\text{peak}}-E_{\text{rest}}$ RELATION. Astrophysical Journal, 2015, 814, 10.	4.5	38
40	Rapid spectral variability of a giant flare from a magnetar in NGC 253. Nature, 2021, 589, 207-210.	27.8	36
41	DETECTION OF HIGH-ENERGY GAMMA-RAY EMISSION DURING THE X-RAY FLARING ACTIVITY IN GRB 100728A. Astrophysical Journal Letters, 2011, 734, L27.	8.3	34
42	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITOR AND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	4.5	32
43	Fermi-LAT Observations of LIGO/Virgo Event GW170817. Astrophysical Journal, 2018, 861, 85.	4.5	32
44	First Fermi-LAT Solar Flare Catalog. Astrophysical Journal, Supplement Series, 2021, 252, 13.	7.7	32
45	Fermi Large Area Telescope Performance after 10 Years of Operation. Astrophysical Journal, Supplement Series, 2021, 256, 12.	7.7	30
46	FERMI OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 090217A. Astrophysical Journal Letters, 2010, 717, L127-L132.	8.3	26
47	Modeling the High-energy Emission in GRB 110721A and Implications on the Early Multiwavelength and Polarimetric Observations. Astrophysical Journal, 2017, 848, 94.	4.5	24
48	DETECTION OF SPECTRAL EVOLUTION IN THE BURSTS EMITTED DURING THE 2008-2009 ACTIVE EPISODE OF SGR J1550-5418. Astrophysical Journal, 2012, 755, 150.	4.5	23
49	A UNIFIED MODEL FOR GRB PROMPT EMISSION FROM OPTICAL TO $\hat{\gamma}$ -RAYS; EXPLORING GRBs AS STANDARD CANDLES. Astrophysical Journal Letters, 2016, 831, L8.	8.3	23
50	Search for Gamma-Ray Emission from Local Primordial Black Holes with the Fermi Large Area Telescope. Astrophysical Journal, 2018, 857, 49.	4.5	23
51	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. Astrophysical Journal, 2018, 866, 24.	4.5	21
52	PSR J1906+0722: AN ELUSIVE GAMMA-RAY PULSAR. Astrophysical Journal Letters, 2015, 809, L2.	8.3	18
53	Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi/Swift Observations. Astrophysical Journal, 2018, 863, 138.	4.5	16
54	CGRO/BATSE DATA SUPPORT THE NEW PARADIGM FOR GRB PROMPT EMISSION AND THE NEW $L_{\text{peak}}-E_{\text{peak}}$ RELATION. Astrophysical Journal, 2016, 819, 79.	4.5	15

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55	Fermi Observations of the LIGO Event GW170104. <i>Astrophysical Journal Letters</i> , 2017, 846, L5.	8.3	15
56	Gamma Rays from Fast Black-hole Winds. <i>Astrophysical Journal</i> , 2021, 921, 144.	4.5	14
57	Photospheric Emission in the Joint GBM and Konus Prompt Spectra of GRB 120323A. <i>Astrophysical Journal</i> , 2017, 846, 138.	4.5	11
58	Catalog of Long-term Transient Sources in the First 10 yr of Fermi-LAT Data. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 13.	7.7	7
59	Multiple Components in the Broadband $\hat{\Gamma}^3$ -Ray Emission of the Short GRB 160709A. <i>Astrophysical Journal</i> , 2019, 876, 76.	4.5	6
60	FERMI LAT STACKING ANALYSIS OF SWIFT LOCALIZED GRBs. <i>Astrophysical Journal</i> , 2016, 822, 68.	4.5	5
61	Instrumental Tip-of-the-iceberg Effects on the Prompt Emission of Swift/BAT Gamma-ray Bursts. <i>Astrophysical Journal</i> , 2022, 927, 157.	4.5	5
62	Discovery and Identification of MAXI J1621â€“501 as a Type I X-Ray Burster with a Super-orbital Period. <i>Astrophysical Journal</i> , 2019, 884, 168.	4.5	4
63	CONTEMPORANEOUS BROADBAND OBSERVATIONS OF THREE HIGH-REDSHIFT BL LAC OBJECTS. <i>Astrophysical Journal</i> , 2016, 820, 72.	4.5	3
64	Search for New Cosmic-Ray Acceleration Sites within the 4FGL Catalog Galactic Plane Sources. <i>Astrophysical Journal</i> , 2022, 933, 204.	4.5	3