

AGILE scientific papers: published and accepted papers in refereed journals

		First Author	Journal	Vol.	Pag.	Year	Subm. date	Accept. date	arXiv [astro-ph]	
116	Enhanced detection of Terrestrial Gamma-Ray Flashes by AGILE	M.Marisaldi	GRL	42	66100	2015	07/09/15	19/10/15		
115	An Emerging class of Gamma-Ray Flares from Blazars: Beyond One-Zone Models	M.Tavani	ApJ	814	51	2015	23/07/15	13/10/15	arXiv:1510.06184v1	
114	Characterization of the inner knot of the Crab: the site of the gamma-ray flares?	A. Rudy	ApJ	811	24	2015			arXiv:1504.04613	
113	On the Angular Resolution of the AGILE gamma-ray imaging detector	S.Sabatini	ApJ	809	60	2015	12/03/15	26/06/15	arXiv:1507.01475v1	
112	The blob crashes into the mirror: modelling the exceptional gamma-ray flaring activity of 3C 454.3 in Nov. 2010	V.Vittorini	ApJ	793	98	2014	16/09/13	19/07/14	arXiv:1408.1516v1	
111	Exploring the Blazar Zone in High-energy Flares of FSRQs	L.Pacciani	ApJ	790	45	2014	13/12/13	30/05/14	arXiv:1312.3998v2	
110	The Supernova Remnant W44: confirmations and challenges for cosmic-ray acceleration	M.Cardillo	A&A	565	A74	2014	23/02/14	05/03/14	arXiv:1403.1250v1	
109	Properties of Terrestrial Gamma-Ray Flashes detected by AGILE MCAL below 30 MeV	M.Marisaldi	JGR	119	1337	2014	7/08/13	20/12/13		
108	The AGILE Alert System for gamma-ray transients	A.Bulgarelli	ApJ	781	19	2014	22/08/13	12/11/13	arXiv:1401.3573v1	
107	Hadronic high energy gamma-ray and neutrino emission from Cygnus X-3	N.Sahakyan	ApJ	780	29	2014	24/09/13	28/10/13	arXiv:1310.7805v1	
106	Calibration of AGILE-GRID with In-Flight Data and Monte Carlo Simulations	A.W. Chen	A&A	558	A37	2013	24/04/13	27/08/13	arXiv:1310.1594	
105	Modelling the Kinked Jet of the Crab Nebula	A.Mignone	MNRAS	436	1102	2013	31/05/13	28/08/13	arXiv:1309.0375v1	
104	An updated list of AGILE bright γ -ray sources and their variability in pointing mode	F. Verrecchia	A&A	558	A137	2013	12/03/13	14/06/13	arXiv:1310.4029v3	
103	AGILE: dai buchi neri alla Terra	M.Tavani	Le Scienze	536	62	2013		01/04/13		
102	AGILE Minicalorimeter Hard Gamma-Ray Burst Catalog	M.Galli	A&A	553	A33	2013	03/12/12	19/02/13	arXiv:1303.0114v4	
101	Gamma-ray observations of Cyg X-1 above 100 MeV in the hard and soft states	S.Sabatini	ApJ	766	83	2013	03/10/12	08/02/13	arXiv:1303.0161v1	
100	Possible effects on avionics induced by Terrestrial Gamma-Ray Flashes	M.Tavani	NHESS	13	1127	2013	12/11/12	21/01/13		Available online at http://iopscience.iop.org/00637X/765/1/52/
99	Variable gamma-ray emission from the Crab Nebula: Short Flares and Long "Waves"	E.Striani	ApJ	765	52	2013	17/10/12	02/01/13	arXiv:1302.4342v1	
98	Upper Limits on the high energy emission from Gamma-Ray Burst observed by AGILE/GRID	F.Longo	A&A	547	A95	2012	01/12/10	25/08/12		
97	The AGILE monitoring of Cygnus X-3: the gamma-ray flaring behavior and spectral constraints	G. Piano	A&A	545	A110	2012	01/03/12	26/07/12	arXiv:1207.6288v1	

96	The characterization of the distant blazar GB6 J1239+0443 from flaring and low activity periods	L.Pacciani	MNRAS	425	2015	2012	10/11/11	18/06/12	arXiv:1206.4454v1	
95	Characterization of a tagged gamma-ray beam line at the DAΦNE Beam Test Facility	P.W. Cattaneo	NIMA	674	55	2012	29/11/11	19/01/12	arXiv:1111.6147v2	
94	Evaluating the Maximum Likelihood Method for detecting short-term variability of AGILE gamma-ray sources	A.Bulgarelli	A&A	540	A79	2012	30/11/11	07/01/12	arXiv:1201.2602v1	
93	Agile detection of Cygnus X-3 gamma-ray active states during the period mid-2009/mid-2010	A.Bulgarelli	A&A	538	A63	2012	11/11/10	26/10/11	arXiv:1111.4960	Available online at http://stacks.iop.org/2041-8205/742/L30
92	Neutral pion emission from accelerated protons in the Supernova Remnant W44	A.Giuliani	ApJLetters	742	L30	2011	04/08/11	20/10/11	arXiv:1111.4868	
91	The Crab Nebula super-flare in April 2011: extremely fast particle acceleration and gamma-ray emission	E.Striani	ApJLetters	741	L5	2011	24/05/11	20/09/11	arXiv:1105.5028v2	
90	The AGILE observation of the hard and bright GRB 100724B	E.Del Monte	A&A	535	A120	2011	08/04/11	08/09/11	arXiv:1109.3018	Available online at http://stacks.iop.org/2041-8205/736/L38
89	The brightest gamma-ray flaring blazar in the sky: AGILE and multi-wavelength observations of 3C 454.3 during November 2010	S.Vercellone	ApJLetters	736	L38	2011	11/04/11	22/06/11	arXiv:1106.5162v1	
88	The remarkable gamma-ray activity in the gravitationally lensed blazar PKS 1830-211	I.Donnarumma	ApJLetters	736	L30	2011	11/03/11	20/06/11	arXiv:1106.4224v1	available online at http://www.agu.org/journals/gersinpress.shtml#id2011GL04
87	High spatial resolution correlation of AGILE TGFs and global lightning activity above the equatorial belt	F.Fuschino	GRL	38	L14806	2011	21/04/11	09/06/11		
86	Flaring Patterns in Blazars	A.Paggi	ApJ	736	128	2011	17/11/10	14/05/11	arXiv:1105.2887v1	
85	Spectral evolution of the September 2010 gamma-ray flare from the Crab Nebula	V.Vittorini	ApJLetters	732	L22	2011	16/03/11	30/03/11	arXiv:1104.0115v1	
84	AGILE detection of extreme gamma-ray activity from the blazar PKS 1510-089 during March 2009. Multifrequency analysis	F.D'Ammando	A&A	529	A145	2011	11/11/10	15/03/11	arXiv:1103.3647v1	
83	Gamma-ray blazars: the view from AGILE	F.D'Ammando	Advances in Space Research	48	76	2011	23/11/10	20/02/11	arXiv:1102.4428v1	Published online on June 25, 2011 available at http://dx.doi.org/10.1016/j.nimrep.2011.06.061
82	Overview of the first AGILE catalog of high-confidence gamma-ray sources	C.Pittori	NIM A	630	189	2011				Published online on July 8, 2011 available at http://dx.doi.org/10.1016/j.nimrep.2011.06.065
81	Preliminary results on TeV sources search with AGILE	A.Rappoldi	NIM A	630	202	2011				Published online on July 8, 2011 available at http://dx.doi.org/10.1016/j.nimrep.2011.06.063
80	The flaring blazars of the first 1.5 years of the AGILE Mission	L.Pacciani	NIM A	630	198	2011				Published online on January 20, 2011 available at http://www.sciencemag.org/content/323/5923/1234/early/recent

79	Discovery of powerful gamma-ray flares from the Crab Nebula	M.Tavani	Science	331	736	2011	20/10/10	13/12/10	arXiv:1101.2311v1	Published online on July 8, 2011, available at http://dx.doi.org/10.1016/j.nim.2010.06.078
78	First results about on-ground calibration of the silicon tracker for the AGILE satellite	P.W. Cattaneo	NIM A	630	251	2011				available online at http://physics.aps.org/pdf/10.1103/PhysRevLett.106.018501
77	Terrestrial Gamma-Ray Flashes as powerful particle accelerators	M.Tavani	Phys. Rev. Lett.	106	018501	2011	16/09/10	01/11/10		
76	Study of the gamma-ray source 1AGL J2022+4032 in the Cygnus Region	A.Chen	A&A	525	A33	2011	24/06/10	20/09/10	arXiv:1009.5539v1	Published online on July 3, 2011, available at http://dx.doi.org/10.1016/j.nim.2010.06.017
75	The AGILE Mission: the first 2 years	M.Tavani	NIM A	630	7	2011	11/12/09	21/07/10		Published online on June 25, 2010, available at http://dx.doi.org/10.1016/j.nim.2010.06.062
74	Galactic Sources Science With Agile: The Case Of The Carina Region	S.Sabatini	NIM A	630	193	2011	03/09/09			Published online on June 11, 2010, available at http://dx.doi.org/10.1016/j.nim.2010.06.050
73	The observation of Gamma Ray Bursts and Terrestrial Gamma-ray Flashes with AGILE	E.Del Monte	NIM A	630	155	2011	27/07/09			
72	BL Lacs bright in γ rays	A.Paggi	NIM A	630	265	2011				available online at http://link.aps.org/doi/10.1103/PhysRevLett.105.128501
71	Gamma-Ray Localization of Terrestrial Gamma-Ray Flashes	M.Marisaldi	Phys. Rev. Lett.	105	128501	2010	24/06/10	17/08/10	arXiv:1009.5544v1	
70	AGILE observations of the "soft" gamma-ray pulsar PSR B1509-58	M.Pilia	ApJ	723	707	2010	30/03/10	24/08/10	arXiv:1009.0021v1	
69	AGILE detection of intense gamma-ray activity from the blazar PKS 0537-441 in October 2008	G.Pucella	A&A	522	A109	2010	07/05/10	26/07/10		
68	A year-long AGILE observation of Cyg X-1 in hard spectral state	E.Del Monte	A&A	520	A67	2010	11/08/09	30/03/10	arXiv:1004.0849v1	
67	AGILE detection of GeV gamma-ray emission from the SNR W28	A.Giuliani	A&A	516	L11	2010	05/02/10	05/05/10	arXiv:1005.0784v1	
66	The Extraordinary Gamma-Ray Flare of the Blazar 3C 454.3	E.Striani	ApJ Part 1	718	455	2010	01/02/10	24/05/10	arXiv:1005.4891v1	
65	The 2009 December gamma-ray flares of 3C 454.3: the multifrequency campaign	L.Pacciani	ApJ Letters	716	170	2010	15/04/10	17/05/10	arXiv:1005.3263v1	
64	Episodic Transient Gamma-Ray Emission from the Microquasar Cygnus X-1	S.Sabatini	ApJ Letters	712	L10	2010	30/11/09	09/02/10	arXiv:1002.4967v1	
63	Multiwavelength observations of 3C 454.3. III Eighteen months of AGILE monitoring of the "Crazy Diamond"	S.Vercellone	ApJ	712	405	2010	14/10/09	02/02/10	arXiv:1002.1020v1	

62	Direct Evidence for Hadronic Cosmic-Ray Acceleration in the Supernova Remnant IC 443	M.Tavani	ApJLetters	710	L151	2010	19/08/09	21/01/10	arXiv:1001.5150v1	Published online on January 2010 available at http://dx.doi.org/10.1016/j.nim.2010.09.12.051
61	The AGILE Silicon Tracker: pre-launch and in-flight configuration	A.Bulgarelli	NIM A	614	213	2010	21/08/09	17/12/09		Published online on December 2009 available at http://www.sciencemag.org/sciexpress/ DOI:10.1126/science.11838
60	Detection of Gamma-Ray Emission from the Vela Pulsar Wind Nebula with AGILE	A.Pellizzoni	Science	327	663	2010	26/10/09	15/12/09	arXiv:0912.2921v2	
59	Temporal properties of GX 301-2 over a year-long observation with SuperAGILE	Y.Evangelista	ApJ	708	1663	2010	23/10/09	18/11/09	arXiv:0911.3743v2	
58	Monitoring the hard X-ray sky with SuperAGILE	M.Feroci	A&A	510	A9	2010	23/07/09	21/10/09	arXiv:0910.4895v1	
57	Detection of the terrestrial gamma-ray flashes up to 40 MeV by the AGILE satellite	M.Marisaldi	JGR	115	A00E13	2010	30/05/09	11/09/09		
56	AGILE Detection of Delayed Gamma-Ray Emission from the Short Gamma-Ray Burst GRB 090510	A.Giuliani	ApJ Letters	708	L84	2010	13/08/09	11/09/09	arXiv:0908.1908v1	
55	Power for dry BL Lacertae objects	A.Paggi	A&A	508	L31	2009	28/10/09	16/11/09	arXiv:0911.3172v3	available online at http://stacks.iop.org/0004-637X/707/1115
54	Multiwavelength observations of 3C 454.3. II The AGILE 2007 December campaign	I.Donnarumma	ApJ	707	1115	2009	23/06/09	23/10/09	arXiv:0910.4883	
53	Multiwavelength observations of a TeV-flare from W Comae	V.A.Acciari	ApJ	707	612	2009	10/08/09	22/10/09		
52	Powerful high energy emission of the remarkable BL Lac object S5 0716+714	V.Vittorini	ApJ Letters	706	1433	2009	29/07/09	13/10/09	arXiv:0912.2216v1	Published online on November 2009
51	Extreme particle acceleration in the microquasar Cygnus X-3	M.Tavani	Nature	462 Number 7273	620	2009	07/08/09	08/10/09	arXiv:0910.5344v1	
50	AGILE detection of a rapid gamma-ray flare from the blazar PKS 1510-089 during the GASP-WEBT monitoring	F.D'Ammando	A&A	508	181	2009	25/05/09	15/09/09	arXiv:0909.3484v1	
49	SSC radiation in BL Lac sources, the end of the tether	A.Paggi	A&A	504	821	2009	16/07/09	12/07/09	arXiv:0907.2863v1	
48	First AGILE Catalog of High Confidence Gamma-Ray Sources	C. Pittori	A&A	506	1563	2009	17/02/09	30/07/09	arXiv:0902.2959	available at http://www.sif.it/SIF/it/portal/atsaggiatore/econtents
47	The Agile space mission	M. Tavani	Il Nuovo Saggiatore	25	41	2009		13/07/09		
46	The Gamma Ray Imaging Detector of the AGILE satellite: A novel of silicon trackers for detection of astrophysics high-energy photons	A. Rappoldi	NIM A	610	291	2009				
45	Detection of Gamma-Ray Emission from the Eta-Carinae Region	M. Tavani	ApJLetters	698	L142	2009		16/03/09	arXiv:0904.2736v2	

44	Discovery of New Gamma-Ray Pulsars with AGILE	A. Pellizzoni	ApJLetters	695	115	2009	27/02/09	arXiv:0902.2959v2
43	MAGIC upper limits to the VHE gamma-ray flux of 3C 454.3	H. Anderhub	A&A	498	83	2009	06/02/09	arXiv:0811.1680v1
42	The June 2008 flare of Markarian 421 from optical to TeV energies	I.Donnarumma	ApJ	691	L13	2009	04/12/08	arXiv:0812.1500v1
41	The AGILE Mission	M. Tavani	A&A	502	995	2009	27/11/08	arXiv:0807.4254
40	High energy variability of 3C 273 during the AGILE multiwavelength campaign of December 2007 - January 2008	L.Pacciani	A&A	494	49	2009	26/10/08	arXiv:0811.0593
39	AGILE observation of a gamma-ray flare from the blazar 3C 279	A.Giuliani	A&A	494	509	2009	10/10/08	arXiv:0810.2189
38	High-Resolution Timing Observations of Spin-Powered Pulsars with the AGILE gamma-ray telescope	A.Pellizzoni	ApJ	691	1618	2009	5/10/08	arXiv:0810.1516
37	Multiwavelength observations of 3C 454.3. I. The AGILE 2007 November campaign on the "Crazy Diamond"	S.Vercellone	ApJ	690	1018	2009	09/09/08	arXiv:0809.1737
36	Design and construction of the Mini-Calorimeter of the AGILE satellite	C.Labanti	NIM A	598	470	2009	04/09/08	arXiv:0810.1842
35	AGILE detection of intense gamma-ray emission from the blazar PKS 1510-089	G.Pucella	A&A	491	L21	2008	05/10/08	arXiv:0810.1676
34	Discovery of High-Energy Gamma-Ray Pulsations from PSR J2021+3651 with AGILE	J.P.Halpern	ApJ Letters	688	L33	2008	30/09/08	arXiv:0810.0008
33	The two INTEGRAL X-ray transients IGR J17091-3624 and IGR J17098-3628:a multiwavelength long-term campaign	F.Capitanio	ApJ	690	1621	2008	12/09/08	arXiv:0809.2180
32	AGILE detection of delayed gamma-ray emission from GRB 080514B	A.Giuliani	A&A	491	L25	2008	08/09/08	arXiv:0809.1230
31	AGILE detection of variable gamma-ray activity from the blazar S5 0716+714 in September-October 2007	A.Chen	A&A	489	L37	2008	18/08/08	arXiv:0808.4053
30	Gamma-ray burst detection with the AGILE mini-calorimeter	M.Marisaldi	A&A	490	1151	2008	13/08/08	arXiv:0809.3917
29	Long-term AGILE monitoring of the puzzling gamma-ray source 3EG J1835+5918	A.Bulgarelli	A&A	489	L17	2008	13/08/08	arXiv:0808.3464
28	Search of GRB with AGILE Minicalorimeter	F. Fuschino	NIM A	588	17	2008	01/04/08	
27	The AGILE space mission	M.Tavani	NIM A	588	52	2008	26/07/08	arXiv:0807.4254v1
26	AGILE and Swift simultaneous observations of the blazar S50716+714 during the bright flare of October 2007	P.Giommi	A&A	487	L49	2008	11/06/08	arXiv:0806.1855
25	Imaging X-ray sources at a finite distance in coded-mask instruments	I.Donnarumma	Ap Opt	47	3513	2008	23/05/08	arXiv:0807.0518v1
24	The high activity of 3C 454.3 in autumn 2007. Monitoring by the WEBT during the AGILE detection	C.M.Raiteri	A&A	485	L17	2008	09/05/08	arXiv:0805.1983v1

23	Threshold equalization algorithm for the XAA1.2 ASICs and its application to SuperAGILE X-ray imager	L.Pacciani	NIM A	593 Issue 3	367	2008	02/05/08	
22	Multifrequency monitoring of the blazar 0716+714 during the GASP-WEBT-AGILE campaign of 2007	M.Villata	A&A	481	L79	2008	15/02/08	arXiv:0802.3012v2
21	AGILE detection of a strong gamma-ray flare from the blazar 3C 454.3	S.Vercellone	ApJ Letters	676	L13	2008	08/02/08	arXiv:0802.1709
20	GRB 070724B: the first Gamma Ray Burst localized by SuperAGILE and its Swift X-ray afterglow	E.Del Monte	A&A	478	L5	2008	04/12/07	arXiv:0712.0500v1
19	SuperAGILE: the hard X-ray imager for the AGILE space mission	M.Feroci	NIM A	581	728	2007	30/07/07	arXiv:0708.0123
18	An X-ray imager based on silicon microstrip detector and coded mask	E.Del Monte	NIM A	576	191	2007		
17	Blazar duty-cycle at γ -ray frequencies: constraints from extragalactic background radiation and prospects for AGILE and GLAST	C.Pittori	Astrophys Space Sci	309	89	2007		arXiv:0705.0645v1
16	SuperAGILE onboard electronics and ground test instrumentation	L.Pacciani	NIM A	574	330	2007		
15	Scientific performances of the XAA1.2 front-end chip for silicon microstrip detectors	E.Del Monte	NIM A	572	708	2007		arXiv:astro-ph/0611474v1
14	The AGILE gamma ray satellite	M.Basset	NIM A	572	474	2007		
13	The AGILE on-board Kalman filter	A.Giuliani	NIM A	568	692	2006		
12	The AGILE anticoincidence detector	F.Perotti	NIM A	556	228	2006		
11	Gamma-ray Astrophysics with the Space Detector AGILE	C. Pittori	Chin. J. Astron. Astrophys.	6	373	2006		
10	AGILE, a satellite for high energy γ -ray astrophysics: prospects for the Mini-Calorimeter	E. Celesti	New Astron Rev	48	315	2004		
9	Prospects for high energy studies of pulsars with the AGILE γ -ray telescope	A.Pellizzoni	Advances in Space Research	33	625	2004		
8	The AGILE silicon tracker: an innovative γ -ray instrument for space	M.Prest	NIM A	501	280	2003		
7	The Gamma-Ray Imaging Detector AGILE: Scientific Goals and Instrument Performance	C.Pittori	Chin. J. Astron. Astrophys.	3	517	2003		
6	The AGILE silicon tracker: testbeam results of the prototype silicon detector	G.Barbiellini	NIM A	490	146	2002		
5	Gamma-ray imaging by silicon detectors in space: the AREM method	C.Pittori	NIM A	488	295	2002		arXiv:astro-ph/0202221v1
4	The AGILE Mission and Gamma-Ray Astrophysics	M.Tavani	Int J Mod Phys A	17	1799	2002		
3	Simulation of the AGILE gamma-ray imaging detector performance: part II	V.Cocco	NIM A	486	623	2002	20/11/01	arXiv:astro-ph/0202223v1
2	Simulation of the AGILE gamma-ray imaging detector performance: part I	F.Longo	NIM A	486	610	2002	20/11/01	arXiv:astro-ph/0202222v1
1	The AGILE contribution to GRBs studies	M.Tavani	A&A Suppl	138	569	1999		