Roland Diehl

List of Publications by Year
in descending order

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314 papers	11,470 citations	31976 53 h-index	30922 102 g-index
317 all docs	317 docs citations	317 times ranked	8344 citing authors

#	Article	IF	Citations
1	THEFERMIGAMMA-RAY BURST MONITOR. Astrophysical Journal, 2009, 702, 791-804.	4.5	1,063
2	INTEGRAL Detection of the First Prompt Gamma-Ray Signal Coincident with the Gravitational-wave Event GW170817. Astrophysical Journal Letters, 2017, 848, L15.	8.3	647
3	Radioactive 26Al from massive stars in the Galaxy. Nature, 2006, 439, 45-47.	27.8	629
4	SPI: The spectrometer aboard INTEGRAL. Astronomy and Astrophysics, 2003, 411, L63-L70.	5.1	472
5	Instrument description and performance of the Imaging Gamma-Ray Telescope COMPTEL aboard the Compton Gamma-Ray Observatory. Astrophysical Journal, Supplement Series, 1993, 86, 657.	7.7	422
6	THE FERMI GBM GAMMA-RAY BURST SPECTRAL CATALOG: FOUR YEARS OF DATA. Astrophysical Journal, Supplement Series, 2014, 211, 12.	7.7	279
7	Early SPI/INTEGRAL measurements of 511ÂkeV line emission from the 4th quadrant of the Galaxy. Astronomy and Astrophysics, 2003, 407, L55-L58.	5.1	260
8	A very luminous magnetar-powered supernova associated with an ultra-long Î³-ray burst. Nature, 2015, 523, 189-192.	27.8	233
9	Radioactive 26Al in the galaxy: observations versus theory. Physics Reports, 1996, 267, 1-69.	25.6	207
10	DETECTION OF A THERMAL SPECTRAL COMPONENT IN THE PROMPT EMISSION OF GRB 100724B. Astrophysical Journal Letters, 2011, 727, L33.	8.3	205
11	The 511ÂkeV emission from positron annihilation in the Galaxy. Reviews of Modern Physics, 2011, 83, 1001-1056.	45.6	197
12	The Crab pulsar in the 0.75-30 MeV range as seen by CGRO COMPTEL. Astronomy and Astrophysics, 2001, 378, 918-935.	5.1	194
13	An asymmetric distribution of positrons in the Galactic disk revealed by Î³-rays. Nature, 2008, 451, 159-162.	27.8	179
14	Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.	6.7	177
15	Cosmic Xâ€Ray Background and Earth Albedo Spectra withSwiftBAT. Astrophysical Journal, 2008, 689, 666-677.	4.5	169
16	The e-ASTROGAM mission. Experimental Astronomy, 2017, 44, 25-82.	3.7	167
17	The distribution of cosmic-ray sources in the Galaxy, Î³-rays and the gradient in the CO-to-H2relation. Astronomy and Astrophysics, 2004, 422, L47-L50.	5.1	165
18	THE FERMI GBM GAMMA-RAY BURST SPECTRAL CATALOG: THE FIRST TWO YEARS. Astrophysical Journal, Supplement Series, 2012, 199, 19.	7.7	162

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19	SPI observations of the diffuse60Fe emission in the Galaxy. Astronomy and Astrophysics, 2007, 469, 1005-1012.	5.1	148
20	INTEGRAL observations of the cosmic X-ray background inÂtheÂ5â€“100ÂkeV range via occultation by the Earth. Astronomy and Astrophysics, 2007, 467, 529-540.	5.1	147
21	Emission from 44Ti associated with a previously unknown Galactic supernova. Nature, 1998, 396, 142-144.	27.8	136
22	SPI/INTEGRAL in-flight performance. Astronomy and Astrophysics, 2003, 411, L91-L100.	5.1	127
23	Current status of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e239" altimg="si231.gif"><mml:mi>r</mml:mi></mml:math>-process nucleosynthesis. Progress in Particle and Nuclear Physics, 2019, 107, 109-166.	14.4	124
24	The first COMPTEL source catalogue. Astronomy and Astrophysics, 2000, 143, 145-179.	2.1	122
25	WHEN A STANDARD CANDLE FLICKERS. Astrophysical Journal Letters, 2011, 727, L40.	8.3	117
26	Early ⁵⁶ Ni decay gamma rays from SN2014J suggest an unusual explosion. Science, 2014, 345, 1162-1165.	12.6	104
27	Gamma-ray spectroscopy of positron annihilation in the Milky Way. Astronomy and Astrophysics, 2016, 586, A84.	5.1	101
28	THE FERMI GBM GAMMA-RAY BURST CATALOG: THE FIRST TWO YEARS. Astrophysical Journal, Supplement Series, 2012, 199, 18.	7.7	100
29	Gamma-ray continuum emission from the inner Galactic region as observed with INTEGRAL/SPI. Astronomy and Astrophysics, 2005, 444, 495-503.	5.1	97
30	INTEGRAL UPPER LIMITS ON GAMMA-RAY EMISSION ASSOCIATED WITH THE GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 820, L36.	8.3	94
31	INTEGRAL SPI Allâ€Sky View in Soft Gamma Rays: A Study of Pointâ€Source and Galactic Diffuse Emission. Astrophysical Journal, 2008, 679, 1315-1326.	4.5	88
32	Gammaâ€Ray Line Emission from Radioactive Isotopes in Stars and Galaxies. Publications of the Astronomical Society of the Pacific, 1998, 110, 637-659.	3.1	85
33	The sky distribution of positronium annihilation continuum emission measured with SPI/INTEGRAL. Astronomy and Astrophysics, 2006, 450, 1013-1021.	5.1	77
34	TIME-RESOLVED SPECTROSCOPY OF THE THREE BRIGHTEST AND HARDEST SHORT GAMMA-RAY BURSTS OBSERVED WITH THEFERMIGAMMA-RAY BURST MONITOR. Astrophysical Journal, 2010, 725, 225-241.	4.5	75
35	The Imaging Compton Telescope Comptel on the Gamma Ray Observatory. IEEE Transactions on Nuclear Science, 1984, 31, 766-770.	2.0	73
36	Kinematics of massive star ejecta in the Milky Way as traced by²⁶Al. Astronomy and Astrophysics, 2013, 559, A99.	5.1	73

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37	Correlated optical, X-ray, andÎ³-ray flaring activity seen with INTEGRAL during the 2015 outburst of V404 Cygni. Astronomy and Astrophysics, 2015, 581, L9.	5.1	72
38	Stellar feedback efficiencies: supernovae versus stellar winds. Monthly Notices of the Royal Astronomical Society, 2016, 456, 710-730.	4.4	72
39	Positron annihilation signatures associated with the outburst of the microquasar V404 Cygni. Nature, 2016, 531, 341-343.	27.8	72
40	Evidence for a Galactic gamma-ray halo. New Astronomy, 1998, 3, 539-561.	1.8	71
41	Are $mathsf{^{44}}$Ti-producing supernovae exceptional?. Astronomy and Astrophysics, 2006, 450, 1037-1050.	5.1	71
42	Astrophysical constraints from gamma-ray spectroscopy. Nuclear Physics A, 2006, 777, 70-97.	1.5	68
43	Ground-based calibration and characterization of the Fermi gamma-ray burst monitor detectors. Experimental Astronomy, 2009, 24, 47-88.	3.7	68
44	Feedback by massive stars and the emergence of superbubbles. Astronomy and Astrophysics, 2013, 550, A49.	5.1	66
45	Gas expulsion in massive star clusters?. Astronomy and Astrophysics, 2016, 587, A53.	5.1	66
46	SN2014J gamma rays from the⁵⁶Ni decay chain. Astronomy and Astrophysics, 2015, 574, A72.	5.1	64
47	Radioactive²⁶Al from the Scorpius-Centaurus association. Astronomy and Astrophysics, 2010, 522, A51.	5.1	63
48	First identification and modelling of SPI background lines. Astronomy and Astrophysics, 2003, 411, L113-L116.	5.1	62
49	Monte Carlo simulations and generation of the SPI response. Astronomy and Astrophysics, 2003, 411, L81-L84.	5.1	61
50	Using population synthesis of massive stars to study the interstellar medium near OB associations. Astronomy and Astrophysics, 2009, 504, 531-542.	5.1	59
51	Nuclear astrophysics lessons from INTEGRAL. Reports on Progress in Physics, 2013, 76, 026301.	20.1	58
52	Detection of Î³-ray lines from interstellar $mathsf{^{60}}$Fe by the high resolution spectrometer SPI. Astronomy and Astrophysics, 2005, 433, L49-L52.	5.1	56
53	Spectral and intensity variations of Galactic $mathsf{^{26}}$Al emission. Astronomy and Astrophysics, 2009, 496, 713-724.	5.1	55
54	Quasi-periodic pulsations in solar flares: new clues from theFermiÂGamma-Ray Burst Monitor. Astronomy and Astrophysics, 2011, 533, A61.	5.1	54

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55	GRIPS - Gamma-Ray Imaging, Polarimetry and Spectroscopy. Experimental Astronomy, 2012, 34, 551-582.	3.7	48
56	²⁶Al kinematics: superbubbles following the spiral arms?. Astronomy and Astrophysics, 2015, 578, A113.	5.1	45
57	Revisiting INTEGRAL/SPI observations of⁴⁴Ti from Cassiopeia A. Astronomy and Astrophysics, 2015, 579, A124.	5.1	45
58	$mathsf{^{26}}$Al in the inner Galaxy. Astronomy and Astrophysics, 2006, 449, 1025-1031.	5.1	44
59	Surround and Squash: the impact of superbubbles on the interstellar medium in Scorpiusâ€“Centaurus OB2. Astronomy and Astrophysics, 2018, 619, A120.	5.1	44
60	The cosmic diffuse gamma-ray background measured with COMPTEL. AIP Conference Proceedings, 2000, , .	0.4	43
61	CONSTRAINTS ON THE SYNCHROTRON SHOCK MODEL FOR THEFERMIGRB 090820A OBSERVED BY GAMMA-RAY BURST MONITOR. Astrophysical Journal, 2011, 741, 24.	4.5	43
62	Fermi/GBM observations of the ultra-long GRBÂ091024. Astronomy and Astrophysics, 2011, 528, A15.	5.1	43
63	The Revised COMPTEL Orion Results. Astrophysical Journal, 1999, 521, L137-L140.	4.5	41
64	INTEGRAL/SPI Î³-ray line spectroscopy. Astronomy and Astrophysics, 2018, 611, A12.	5.1	41
65	Gamma-Ray Emission of ⁶⁰Fe and ²⁶Al Radioactivity in Our Galaxy. Astrophysical Journal, 2020, 889, 169.	4.5	41
66	Feedback by massive stars and the emergence of superbubbles. Astronomy and Astrophysics, 2014, 566, A94.	5.1	40
67	Map of the Galactic center region in the 1.8 MeV Al-26 gamma-ray line. Astrophysical Journal, 1987, 318, 654.	4.5	40
68	New estimates of the gamma-ray line emission of the Cygnus region from INTEGRAL/SPI observations. Astronomy and Astrophysics, 2009, 506, 703-710.	5.1	39
69	Superbubble dynamics in globular cluster infancy. Astronomy and Astrophysics, 2012, 546, L5.	5.1	39
70	Test of galactic cosmic-ray source models â€“ Working Group Report. Space Science Reviews, 2001, 99, 329-352.	8.1	38
71	Probing the evolving massive star population in Orion with kinematic and radioactive tracers. Astronomy and Astrophysics, 2010, 520, A51.	5.1	38
72	SPI instrumental background characteristics. Astronomy and Astrophysics, 2003, 411, L107-L112.	5.1	37

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73	TEMPORAL DECONVOLUTION STUDY OF LONG AND SHORT GAMMA-RAY BURST LIGHT CURVES. Astrophysical Journal, 2012, 744, 141.	4.5	35
74	COMPTEL imaging of the Galactic disk and the separation of diffuse emission and point sources. Astrophysical Journal, Supplement Series, 1994, 92, 419.	7.7	34
75	The COMPTEL instrumental line background. Astronomy and Astrophysics, 2001, 368, 347-368.	5.1	33
76	Centaurus A observation at MeV-gamma-ray energies. Astrophysical Journal, 1987, 312, 134.	4.5	33
77	Constraints from26Al Measurements on the Galaxy's Recent Global Star Formation Rate and Coreâ€Collapse Supernovae Rate. Astrophysical Journal, 1997, 479, 760-763.	4.5	32
78	Gamma-ray burst investigation via polarimetry and spectroscopy (GRIPS). Experimental Astronomy, 2009, 23, 91-120.	3.7	32
79	Rest-frame properties of 32 gamma-ray bursts observed by theFermiGamma-ray Burst Monitor. Astronomy and Astrophysics, 2011, 531, A20.	5.1	32
80	INTEGRAL: Science Highlights and Future Prospects. Space Science Reviews, 2011, 161, 149-177.	8.1	32
81	White paper on nuclear astrophysics and low energy nuclear physics Part 1: Nuclear astrophysics. Progress in Particle and Nuclear Physics, 2017, 94, 1-67.	14.4	32
82	Implications of Al-26 emission at 1.8 MeV from the VELA region. Astrophysical Journal, Supplement Series, 1994, 92, 433.	7.7	32
83	Search for 511 keV emission in satellite galaxies of the Milky Way with INTEGRAL/SPI. Astronomy and Astrophysics, 2016, 595, A25.	5.1	29
84	26Al production in the Vela and Orion regions. New Astronomy Reviews, 2002, 46, 547-552.	12.8	28
85	Gamma-ray diagnostics of Type Ia supernovae. Astronomy and Astrophysics, 2013, 554, A67.	5.1	28
86	SPI-specific analysis method and software overview. Astronomy and Astrophysics, 2003, 411, L117-L121.	5.1	28
87	SPI measurements of Galactic $mathsf{^{26}}$Al. Astronomy and Astrophysics, 2003, 411, L451-L455.	5.1	27
88	New COMPTEL Results on M[CLC]e[/CLC]V Gamma Rays from the Orion[solm0]Monoceros Region. Astrophysical Journal, 1997, 475, L25-L28.	4.5	26
89	INTEGRALSPI Observation of the Galactic Central Radian: Contribution of Discrete Sources and Implication for the Diffuse Emission. Astrophysical Journal, 2005, 635, 1103-1115.	4.5	26
90	Positron astronomy with SPI/INTEGRAL. New Astronomy Reviews, 2008, 52, 454-456.	12.8	26

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91	Synchrotron cooling in energetic gamma-ray bursts observed by theFermiGamma-Ray Burst Monitor. Astronomy and Astrophysics, 2015, 573, A81.	5.1	26
92	Background modelling for Î³-ray spectroscopy with INTEGRAL/SPI. Astronomy and Astrophysics, 2019, 626, A73.	5.1	26
93	FIRST-YEAR RESULTS OF BROADBAND SPECTROSCOPY OF THE BRIGHTESTFERMI-GBM GAMMA-RAY BURSTS. Astrophysical Journal, 2011, 733, 97.	4.5	25
94	DYNAMICS AND ENERGY LOSS IN SUPERBUBBLES. Astrophysical Journal Letters, 2014, 794, L21.	8.3	25
95	5.9-keV Mn K-shell X-ray luminosity from the decay of 55Fe in Type Ia supernova models. Monthly Notices of the Royal Astronomical Society, 2015, 447, 1484-1490.	4.4	25
96	Comparing simulated ²⁶Al maps to gamma-ray measurements. Astronomy and Astrophysics, 2019, 632, A73.	5.1	25
97	The radioactive nuclei and in the Cosmos and in the solar system. Publications of the Astronomical Society of Australia, 2021, 38, .	3.4	25
98	Predicted gamma-ray line emission from the Cygnus complex. Astronomy and Astrophysics, 2010, 511, A86.	5.1	24
99	PROSPECT OF STUDYING HARD X- AND GAMMA-RAYS FROM TYPE Ia SUPERNOVAE. Astrophysical Journal, 2012, 760, 54.	4.5	24
100	The e-ASTROGAM gamma-ray space mission. Proceedings of SPIE, 2016, , .	0.8	24
101	COMPTEL upper limits for the $^{sf 56}$CoÎ³-ray emission from SN1998bu. Astronomy and Astrophysics, 2002, 394, 517-523.	5.1	24
102	⁴⁴Ti ejecta in young supernova remnants. Astronomy and Astrophysics, 2020, 638, A83.	5.1	23
103	Nucleosynthesis Constraints on the Explosion Mechanism for Type Ia Supernovae. Astrophysical Journal, 2018, 863, 176.	4.5	22
104	Energetic feedback and²⁶Al from massive stars and their supernovae in the Carina region. Astronomy and Astrophysics, 2012, 539, A66.	5.1	21
105	Properties of gamma-ray decay lines in 3D core-collapse supernova models, with application to SN 1987A and Cas A. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2471-2497.	4.4	21
106	Massive Stars and Their Supernovae. Lecture Notes in Physics, 2011, , 153-231.	0.7	21
107	Understanding COMPTEL Al-26 1.8 MeV map features. Astrophysical Journal, 1995, 440, L57.	4.5	21
108	Is there a common origin for the cosmic Î³-ray lines at 0.51 and 1.81 MeV near the galactic centre?. Nature, 1986, 323, 692-694.	27.8	20

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109	SPI/INTEGRAL observation of the Cygnus region. Astronomy and Astrophysics, 2003, 411, L377-L382.	5.1	20
110	COMPTEL observations of the 1.809 MeV gamma-ray line from galactic Al-26. Astrophysical Journal, Supplement Series, 1994, 92, 429.	7.7	20
111	Understanding 26Al Emission from Cygnus. New Astronomy Reviews, 2002, 46, 535-539.	12.8	19
112	Galactic annihilation emission from nucleosynthesis positrons. Astronomy and Astrophysics, 2012, 543, A3.	5.1	19
113	INTEGRAL IBIS, SPI, and JEM-X observations of LVT151012. Astronomy and Astrophysics, 2017, 603, A46.	5.1	19
114	Gamma-ray observations of Nova Sgr 2015 No. 2 with INTEGRAL. Astronomy and Astrophysics, 2018, 615, A107.	5.1	19
115	Observation of SN2011fe with INTEGRAL. Astronomy and Astrophysics, 2013, 552, A97.	5.1	19
116	26Al in galaxy regions: massive-star interactions with the ISM. New Astronomy Reviews, 2004, 48, 81-86.	12.8	18
117	Annihilation emission from young supernova remnants. Astronomy and Astrophysics, 2010, 519, A100.	5.1	18
118	Synthetic 26Al emission from galactic-scale superbubble simulations. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1894-1912.	4.4	18
119	Cosmic nucleosynthesis: A multi-messenger challenge. Progress in Particle and Nuclear Physics, 2022, 127, 103983.	14.4	18
120	[sup 44]Ti gamma-ray line emission from Cas A and RXJ0852-4622/GROJ0852-4642. AIP Conference Proceedings, 2000, , .	0.4	17
121	Constraints on positron annihilation kinematics in the inner Galaxy. Astronomy and Astrophysics, 2019, 627, A126.	5.1	17
122	INTEGRAL reloaded: Spacecraft, instruments and ground system. New Astronomy Reviews, 2021, 93, 101629.	12.8	17
123	Galactic 26AlÂtraces metal loss through hot chimneys. Monthly Notices of the Royal Astronomical Society, 2020, 501, 210-218.	4.4	17
124	Reassessment of the [sup 56]Co emission from SN 1991T. , 1997, , .		16
125	Measuring 26Al and 60Fe in the Galaxy. New Astronomy Reviews, 2006, 50, 534-539.	12.8	16
126	Steady-state nucleosynthesis throughout the Galaxy. New Astronomy Reviews, 2021, 92, 101608.	12.8	16

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127	Gamma-ray pulsar studies with COMPTEL. Astrophysical Journal, Supplement Series, 1994, 92, 559.	7.7	16
128	An INTEGRAL/SPI view of reticulum II: particle dark matter and primordial black holes limits in the MeV range. Monthly Notices of the Royal Astronomical Society, 2022, 511, 914-924.	4.4	16
129	Squeezed between shells? The origin of the Lupus I molecular cloud. Astronomy and Astrophysics, 2015, 584, A36.	5.1	15
130	Supernova explosions of massive stars and cosmic rays. Advances in Space Research, 2018, 62, 2773-2816.	2.6	15
131	COMPTEL as a Solar Gamma Ray and Neutron Detector. , 1992, , 261-270.		14
132	26Al imaging details from COMPTEL. Advances in Space Research, 1995, 15, 123-126.	2.6	13
133	The GLAST burst monitor. , 2004, , .		13
134	The GLAST Burst Monitor. AIP Conference Proceedings, 2007, , .	0.4	13
135	Understanding the origin of the positron annihilation line and the physics of supernova explosions. Experimental Astronomy, 2021, 51, 1175-1202.	3.7	13
136	The COMPTEL instrumental-line background. AIP Conference Proceedings, 2000, , .	0.4	12
137	INTEGRAL Observations of GW170104. Astrophysical Journal Letters, 2017, 846, L23.	8.3	12
138	Diffuse continuum emission from the inner Galaxy: First results from INTEGRAL/SPI. Astronomy and Astrophysics, 2003, 411, L447-L450.	5.1	12
139	Pulsar studies with COMPTEL. Astrophysical Journal, Supplement Series, 1994, 90, 823.	7.7	12
140	<title>COMPTEL gamma-ray line analysis techniques</title>. , 1996, 2806, 386.		11
141	Imaging diffuse emission with COMPTEL. Experimental Astronomy, 1995, 6, 103-108.	3.7	10
142	The total cosmic diffuse gamma-ray spectrum from 9 to 30 MeV measured with COMPTEL. , 1997, , .		10
143	Cosmic Gamma-Ray Spectroscopy. The Astronomical Review, 2013, 8, 19-65.	4.0	9
144	Squeezed between shells? The origin of the Lupus I molecular cloud. Astronomy and Astrophysics, 2017, 608, A102.	5.1	9

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145	The search for MeV gamma-ray pulsars with COMPTEL. Advances in Space Research, 1995, 15, 61-64.	2.6	8
146	Gamma-rays from massive stars in Cygnus and Orion. Symposium - International Astronomical Union, 2003, 212, 706-709.	0.1	8
147	Line shape diagnostics of Galactic $mathsf{^{26!}}$Al. Astronomy and Astrophysics, 2003, 412, L47-L51.	5.1	8
148	The Crab nebula and pulsar in the MeV energy range. Advances in Space Research, 1995, 15, 81-84.	2.6	7
149	Distribution of 26Al in the Galaxy. Advances in Space Research, 1995, 15, 99-102.	2.6	7
150	COMPTEL spectral study of the inner galaxy. , 1997, , .		7
151	Gamma-ray line observations from cosmic nuclei. Nuclear Physics A, 2003, 718, 52-60.	1.5	7
152	GLAST Burst Monitor Instrument Simulation and Modeling. AIP Conference Proceedings, 2008, , .	0.4	7
153	Initial results from COMPTEL onboard GRO. Advances in Space Research, 1993, 13, 647-655.	2.6	6
154	The spectrometer SPI of the INTEGRAL mission. AIP Conference Proceedings, 2000, , .	0.4	6
155	Gamma-ray Line Astronomy. Nuclear Physics A, 2005, 758, 225-233.	1.5	6
156	Instrument Response Modeling and Simulation for the GLAST Burst Monitor. AIP Conference Proceedings, 2007, , .	0.4	6
157	Gamma-ray burst detection capabilities of comptel. Advances in Space Research, 1986, 6, 113-117.	2.6	5
158	Observations of the 1991 June 11 solar flare with COMPTEL. AIP Conference Proceedings, 1994, , .	0.4	5
159	[sup 26]Al and the COMPTEL [sup 60]Fe data. , 1997, , .		5
160	Models for COMPTEL [sup 26]Al data. , 1997, , .		5
161	COMPTEL gamma-ray measurements of radioactivity in the galaxy. Nuclear Physics A, 1997, 621, 79-82.	1.5	5
162	The SPI Spectrometer for the Integral Mission. Physica Scripta, 1998, T77, 35-38.	2.5	5

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163	The Astrophysics of Galactic Cosmic Rays. Space Science Reviews, 2001, 99, 3-11.	8.1	5
164	26Al emission throughout the Galaxy. New Astronomy Reviews, 2008, 52, 440-444.	12.8	5
165	MEASUREMENTS OF THE SOFT GAMMA-RAY EMISSION FROM SN2014J WITH SUZAKU. Astrophysical Journal, 2016, 823, 43.	4.5	5
166	Gamma-Rays from Nucleosynthesis Ejecta. Journal of Physics: Conference Series, 2016, 665, 012011.	0.4	5
167	The²⁶Al Gamma-ray Line from Massive-Star Regions. , 2017, , .		5
168	Massive Stars and Their Supernovae. Astrophysics and Space Science Library, 2018, , 173-286.	2.7	5
169	Exploration of Aspherical Ejecta Properties in Type Ia Supernovae: Progenitor Dependence and Applications to Progenitor Classification. Astrophysical Journal, 2021, 909, 152.	4.5	5
170	Soft X-ray absorption excess in gamma-ray burst afterglow spectra: Absorption by turbulent ISM. Astronomy and Astrophysics, 2016, 595, A24.	5.1	5
171	Diffuse galactic continuum emission measured by COMPTEL and the cosmic-ray electron spectrum. Astrophysical Journal, Supplement Series, 1994, 92, 425.	7.7	5
172	COMPTEL all-sky imaging at 2.2 MeV. , 1997, , .		4
173	The galactic supernova rate from COMPTEL [sup 44]Ti Î³-line observations. AIP Conference Proceedings, 2000, , .	0.4	4
174	Study of the Galactic distribution of nova-produced [sup 22]Na with COMPTEL. AIP Conference Proceedings, 2001, , .	0.4	4
175	Radioactive isotopes in star forming regions. New Astronomy Reviews, 2002, 46, 541-545.	12.8	4
176	GBM: a gamma-ray burst monitor for GLAST. , 2003, , .		4
177	Measurements of Gamma-Ray Bursts with GLAST. Research in Astronomy and Astrophysics, 2006, 6, 365-368.	1.1	4
178	Nuclear astrophysics capabilities of the GRIPS telescope. New Astronomy Reviews, 2008, 52, 431-435.	12.8	4
179	Gamma rays from a supernova of type Ia: SN2014J. Astronomische Nachrichten, 2015, 336, 464-470.	1.2	4
180	Effect of positron-alkali metal atom interactions in the diffuse interstellar medium. Physical Review D, 2018, 98, .	4.7	4

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181	INTEGRAL search for GW counterparts and the GRB170817A/GW170817 detection. Rendiconti Lincei, 2019, 30, 65-70.	2.2	4
182	The GRO - COMPTEL Mission: Instrument Description and Scientific Objectives. , 1992, , 185-200.		4
183	Response Determinations of COMPTEL from Calibration Measurements, Models, and Simulations. , 1992, , 201-216.		4
184	Maximum Entropy Imaging and Spectral Deconvolution for COMPTEL. , 1992, , 251-260.		4
185	Radioactive isotopes in the interstellar medium. Astrophysics and Space Science, 2021, 366, 1.	1.4	4
186	The comptel experiment on the NASA Gamma-Ray Observatory. Space Science Reviews, 1989, 49, 85.	8.1	3
187	COMPTEL results on the 1.809 MeV gamma-ray line from the Galactic-center region. Advances in Space Research, 1993, 13, 723-726.	2.6	3
188	COMPTEL measurements of 1.809 MeV gamma-ray line emission from the Galactic plane. , 1993, , .		3
189	Diffuse Galactic continuum emission: Recent studies using COMPTEL data. , 1997, , .		3
190	On the massive star origin of [sup 26]Al in the Cygnus region. AIP Conference Proceedings, 2000, , .	0.4	3
191	Study of nova-produced [sup 22]Na with COMPTEL. AIP Conference Proceedings, 2000, , .	0.4	3
192	COMPTEL observations of a source in the direction of the galactic center. AIP Conference Proceedings, 2001, , .	0.4	3
193	Imaging with the coded aperture gamma-ray spectrometer SPI aboard INTEGRAL. , 2003, , .		3
194	Gamma rays from cosmic radioactivities. Meteoritics and Planetary Science, 2007, 42, 1145-1157.	1.6	3
195	Population synthesis models for 26Al production in starforming regions. New Astronomy Reviews, 2008, 52, 436-439.	12.8	3
196	The Fermi Gamma-ray Burst Monitor Instrument. , 2009, , .		3
197	Astrophysics with Radioactive Isotopes. Astrophysics and Space Science Library, 2018, , 3-27.	2.7	3
198	Introduction to Astronomy with Radioactivity. Lecture Notes in Physics, 2011, , 3-23.	0.7	3

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199	Map of the galactic center region in the 1.8 MeV 26Al gamma-ray line. Advances in Space Research, 1986, 6, 149-152.	2.6	2
200	COMPTEL images locations of gamma-ray bursts. AIP Conference Proceedings, 1991, , .	0.4	2
201	Diffuse galactic continuum emission measured by COMPTEL. , 1993, , .		2
202	Highlights from the COMPTEL 1 to 30 MeV Sky Survey. Annals of the New York Academy of Sciences, 1995, 759, 226-231.	3.8	2
203	SPI: A high resolution imaging spectrometer for INTEGRAL. , 1997, , .		2
204	Improved COMPTEL maps of the milky way. AIP Conference Proceedings, 2000, , .	0.4	2
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