

# Marco Miliucci

## List of Publications by Year in descending order

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70  
papers

292  
citations

1040056

9  
h-index

1058476

14  
g-index

71  
all docs

71  
docs citations

71  
times ranked

114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental search for the violation of Pauli exclusion principle. European Physical Journal C, 2018, 78, 319.	3.9	20
2	Energy Response of Silicon Drift Detectors for Kaonic Atom Precision Measurements. Condensed Matter, 2019, 4, 31.	1.8	20
3	Characterization of the SIDDHARTA-2 luminosity monitor. Journal of Instrumentation, 2020, 15, P10010-P10010.	1.2	19
4	Test of the Pauli Exclusion Principle in the VIP-2 Underground Experiment. Entropy, 2017, 19, 300.	2.2	17
5	Kaonic Atoms to Investigate Global Symmetry Breaking. Symmetry, 2020, 12, 547.	2.2	16
6	Silicon drift detectors system for high-precision light kaonic atoms spectroscopy. Measurement Science and Technology, 2021, 32, 095501.	2.6	16
7	MoO <sub>3</sub> films grown on polycrystalline Cu: Morphological, structural, and electronic properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	15
8	On the Importance of Electron Diffusion in a Bulk-Matter Test of the Pauli Exclusion Principle. Entropy, 2018, 20, 515.	2.2	13
9	Large area silicon drift detectors system for high precision timed x-ray spectroscopy. Measurement Science and Technology, 2022, 33, 095502.	2.6	13
10	VIP-2 High-Sensitivity Tests on the Pauli Exclusion Principle for Electrons. Entropy, 2020, 22, 1195.	2.2	9
11	A new kaonic helium measurement in gas by SIDDHARTINO at the DAΦNE collider*. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 055106.	3.6	9
12	Testing the Pauli Exclusion Principle with the VIP-2 Experiment. Symmetry, 2022, 14, 893.	2.2	9
13	High resolution multielement XRF spectroscopy of extended and diffused sources with a graphite mosaic crystal based Von Hamos spectrometer. Journal of Analytical Atomic Spectrometry, 2020, 35, 155-168.	3.0	8
14	Search for a remnant violation of the Pauli exclusion principle in a Roman lead target. European Physical Journal C, 2020, 80, 1.	3.9	7
15	Silicon Drift Detectors™ Spectroscopic Response during the SIDDHARTA-2 Kaonic Helium Run at the DAΦNE Collider. Condensed Matter, 2021, 6, 47.	1.8	7
16	Pyrolytic Graphite Mosaic Crystal Thickness and Mosaicity Optimization for an Extended Source Von Hamos X-ray Spectrometer. Condensed Matter, 2019, 4, 38.	1.8	6
17	A charged particle veto detector for kaonic deuterium measurements at DAΦNE. Journal of Physics: Conference Series, 2018, 1138, 012012.	0.4	5
18	VOXES: a high precision X-ray spectrometer for diffused sources with HAPG crystals in the 20 keV range. Journal of Instrumentation, 2018, 13, C04002-C04002.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Kaonic Deuterium Measurement with SIDDHARTA-2 on DAΦΦ NE. Acta Physica Polonica B, 2020, 51, 251.	0.8	5
20	High Precision Test of the Pauli Exclusion Principle for Electrons. Condensed Matter, 2019, 4, 45.	1.8	4
21	X-ray Detectors for Kaonic Atoms Research at DAΦΦ NE. Condensed Matter, 2019, 4, 42.	1.8	4
22	Reducing the MIPs Charge-Sharing Background in X-Ray Spectroscopic SDD Arrays. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	4
23	Efficiency measurements and simulations of a HAPG based Von Hamos spectrometer for large sources. Journal of Analytical Atomic Spectrometry, 2021, 36, 2485-2491.	3.0	4
24	VOXES, a New High-resolution X-ray Spectrometer for Low Yield Measurements with Diffused Sources. Acta Physica Polonica B, 2017, 48, 1715.	0.8	4
25	Kaonic atoms at the DAΦΦ NE collider with the SIDDHARTA-2 experiment. Physica Scripta, 2022, 97, 084006.	2.5	4
26	The kaonic atoms research program at DAΦΦ NE: from SIDDHARTA to SIDDHARTA-2. EPJ Web of Conferences, 2018, 181, 01004.	0.3	3
27	Kaonic Atoms Measurements at DAΦΦ NE: SIDDHARTA-2 and Future Perspectives. Few-Body Systems, 2021, 62, 1.	1.5	3
28	Low-energy Kaon–Nuclei Interaction Studies at DAΦΦ NE: SIDDHARTA-2 and AMADEUS. Acta Physica Polonica B, 2017, 48, 1855.	0.8	3
29	Revisiting the Charged Kaon Mass. Acta Physica Polonica B, 2020, 51, 115.	0.8	3
30	Reflection Efficiency and Spectra Resolutions Ray-Tracing Simulations for the VOXES HAPG Crystal Based Von Hamos Spectrometer. Condensed Matter, 2022, 7, 1.	1.8	3
31	Kaonic atoms and strangeness in nuclei: SIDDHARTA-2 and AMADEUS experiments. Journal of Physics: Conference Series, 2016, 770, 012034.	0.4	2
32	Quantum mechanics under X-rays in the Gran Sasso underground laboratory. International Journal of Quantum Information, 2017, 15, 1740004.	1.1	2
33	Low energy interaction studies of negative kaons in light nuclear targets by AMADEUS. EPJ Web of Conferences, 2018, 181, 01005.	0.3	2
34	Spectroscopy of kaonic atoms at DAFNE and J-PARC. EPJ Web of Conferences, 2019, 199, 03004.	0.3	2
35	Probing Strong Interaction with SIDDHARTA-2. , 2019, , .		2
36	Characterization of CdS sputtering deposition on low temperature pulsed electron deposition Cu(In,Ga)Se2 solar cells. Thin Solid Films, 2020, 697, 137833.	1.8	2

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37	Studies of kaonic atoms at the DAΦNE collider: from SIDDHARTA to SIDDHARTA-2. Journal of Physics: Conference Series, 2020, 1526, 012023.	0.4	2
38	The key role of the Silicon Drift Detectors in testing the Pauli Exclusion Principle for electrons: the VIP-2 experiment. Journal of Physics: Conference Series, 2020, 1548, 012033.	0.4	2
39	Low-energy Kaon Nucleon/Nuclei Studies at DA(Φ)NE: the SIDDHARTA-2 Experiment. Acta Physica Polonica B, Proceedings Supplement, 2021, 14, 49.	0.1	2
40	Semi-Analytical Monte Carlo Method to Simulate the Signal of the VIP-2 Experiment. Symmetry, 2021, 13, 6.	2.2	2
41	Kaonic atoms experiment at the DAΦNE collider by SIDDHARTA/SIDDHARTA-2. SciPost Physics Proceedings, 2020, , .	0.4	2
42	Characterization and Analysis of Cross-Talk on Monolithic SDD Arrays for the SIDDHARTA Experiment. , 2017, , .		1
43	Experimental studies of the kaon-nucleus interaction at low energy with x-ray spectroscopy of kaonic atoms. Journal of Physics: Conference Series, 2017, 800, 012007.	0.4	1
44	The kaonic atoms research program at DAΦNE: overview and perspectives. Journal of Physics: Conference Series, 2018, 1138, 012011.	0.4	1
45	A New Silicon Drift Detector System for Kaonic Atom Measurements. Journal of Physics: Conference Series, 2018, 1138, 012013.	0.4	1
46	Experiments with low-energy kaons at the DAΦNE Collider. Journal of Physics: Conference Series, 2019, 1137, 012037.	0.4	1
47	Detector setup of the VIP2 underground experiment at LNGS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 233-234.	1.6	1
48	Kaonic Deuterium Precision Measurement at DAΦNE: The SIDDHARTA-2 Experiment. Springer Proceedings in Physics, 2020, , 965-969.	0.2	1
49	Studies of $K^{\pm}$ -nuclei interactions at low-energies by AMADEUS. Journal of Physics: Conference Series, 2020, 1643, 012081.	0.4	1
50	Main Features of the SIDDHARTA-2 Apparatus for Kaonic Deuterium X-Ray Measurements. EPJ Web of Conferences, 2022, 262, 01016.	0.3	1
51	Search for a signature of Pauli exclusion principle violation by VIP-2. Physica Scripta, 2022, 97, 084001.	2.5	1
52	Investigating the low-energy $K^{\pm}$ interactions in nuclear matter with AMADEUS. Journal of Physics: Conference Series, 2017, 841, 012023.	0.4	0
53	Studies of low-energy K- nuclear interactions by AMADEUS. EPJ Web of Conferences, 2018, 182, 02035.	0.3	0
54	Low energy antikaon-nucleon/nuclei interaction studies by AMADEUS. AIP Conference Proceedings, 2019, , .	0.4	0

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55	$\bar{p}$ correlated production from low energy $K^+12C$ interactions by AMADEUS. EPJ Web of Conferences, 2019, 199, 03010.	0.3	0
56	Low Energy Antikaon-nucleon/nuclei interaction studies by AMADEUS. EPJ Web of Conferences, 2019, 199, 01014.	0.3	0
57	Studies of low-energy $K^+$ hadronic interactions with light nuclei by AMADEUS. Journal of Physics: Conference Series, 2020, 1526, 012024.	0.4	0
58	High precision test of the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2020, 1586, 012016.	0.4	0
59	High Sensitivity Quantum Mechanics Tests in the Cosmic Silence. Acta Physica Polonica B, Proceedings Supplement, 2021, 14, 151.	0.1	0
60	Kaonic Atoms Measurement at DA $\Phi$ NE: SIDDHARTA and SIDDHARTA-2. Springer Proceedings in Physics, 2019, , 191-195.	0.2	0
61	Kaonic atoms measurements at the DA $\Phi$ NE Collider. , 2019, , .		0
62	Low-energy $K^+$ Hadronic Interactions with Light Nuclei by AMADEUS. , 2019, , .		0
63	Probing low-energy QCD with kaonic atoms at DA $\Phi$ NE. Journal of Physics: Conference Series, 2020, 1643, 012182.	0.4	0
64	Testing the Pauli Exclusion Principle in the Cosmic Silence. Acta Physica Polonica B, 2020, 51, 97.	0.8	0
65	Recent AMADEUS Studies of Low-Energy $K^+$ Nucleus/Nuclei Interactions. Springer Proceedings in Physics, 2020, , 403-407.	0.2	0
66	New Concepts in Tests of the Pauli Exclusion Principle in Bulk Matter. Acta Physica Polonica B, 2020, 51, 91.	0.8	0
67	Recent Experimental Results on the Low-energy $K^+$ Interaction with Nucleons by AMADEUS. Acta Physica Polonica B, 2020, 51, 121.	0.8	0
68	Silicon drift detectors technology for high precision light Kaonic atoms spectroscopic measurements at the DA $\Phi$ NE collider. AIP Conference Proceedings, 2021, , .	0.4	0
69	Kaonic atoms measurements at the DA $\Phi$ NE collider: the SIDDHARTA-2 experiment. EPJ Web of Conferences, 2022, 258, 07006.	0.3	0
70	Analysis methods used and planned for VIP-2. EPJ Web of Conferences, 2022, 262, 01022.	0.3	0