

Rastislav Hodňák

List of Publications by Year in descending order

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51
papers

975
citations

471509
17
h-index

434195
31
g-index

51
all docs

51
docs citations

51
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and validation of scintillating structural components from low-background Poly(ethylene naphthalate). Journal of Instrumentation, 2022, 17, P01010.	1.2	3
2	Advanced plastic scintillation detectors for low-background experiments. Journal of Instrumentation, 2022, 17, C02005.	1.2	1
3	Usage of PEN as self-vetoing structural material in the LEGEND experiment. Journal of Instrumentation, 2022, 17, C03031.	1.2	2
4	Measurement of the distribution of ^{207}Bi depositions on calibration sources for SuperNEMO. Journal of Instrumentation, 2021, 16, T07012.	1.2	1
5	Commissioning of the COBRA extended demonstrator at the LNGS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1010, 165524.	1.6	1
6	Design and first tests of the S3 detector of reactor antineutrinos. EPJ Web of Conferences, 2021, 253, 11011.	0.3	0
7	Search for periodic modulations of the rate of double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi}>\hat{I}^2\langle \text{mml:mi}>\langle \text{mml:math}>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mmultiscripts}>\langle \text{mml:mi}>\text{Mo}\langle \text{mml:mi}>\langle \text{mml:mprescripts}>\langle \text{mml:none}>\langle \text{mml:mn}>100\langle \text{mml:mn}>\langle \text{mml:mmultiscripts}>\langle \text{mml:math}>\text{in the NEMO-3 detector. Physical Review C, 2021, 104, ...}$	2.9	0
8	Quenching of gA deduced from the \hat{I}^2 -spectrum shape of ^{113}Cd measured with the COBRA experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135092.	4.1	21
9	Development of methods for the preparation of radiopure ^{82}Se sources for the SuperNEMO neutrinoless double-beta decay experiment. Radiochimica Acta, 2020, 108, 87-97.	1.2	5
10	Use of poly(ethylene naphthalate) as a self-vetoing structural material. Journal of Physics: Conference Series, 2020, 1468, 012225.	0.4	2
11	Search for the double-beta decay of ^{82}Se to the excited states of ^{82}Kr with NEMO-3. Nuclear Physics A, 2020, 996, 121701.	1.5	5
12	Signal imaging from $S^{3\text{â€”}}80$ -channel detector of reactor antineutrinos. Journal of Instrumentation, 2020, 15, C01031-C01031.	1.2	0
13	Low Radon Cleanroom for Underground Laboratories. Frontiers in Public Health, 2020, 8, 589891.	2.7	7
14	Characterization and long-term performance of the Radon Trapping Facility operating at the Modane Underground Laboratory. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 115105.	3.6	8
15	Use of poly(ethylene naphthalate) as a self-vetoing structural material. Journal of Instrumentation, 2019, 14, P07006-P07006.	1.2	22
16	Detailed studies of ^{100}Mo two-neutrino double beta decay in NEMO-3. European Physical Journal C, 2019, 79, 1.	3.9	46
17	$S^{3\text{—}}$ -prototype of reactor antineutrino detector. Journal of Instrumentation, 2018, 13, C12013-C12013.	1.2	2
18	Final results on ^{82}Se double beta decay to the ground state of ^{82}Kr from the NEMO-3 experiment. European Physical Journal C, 2018, 78, 1.	3.9	39

#	ARTICLE	IF	CITATIONS
19	Development of the ultra-low background HPGe spectrometer OBELIX at Modane underground laboratory. Journal of Instrumentation, 2017, 12, P02004-P02004.	1.2	12
20	The BiPo-3 detector. Applied Radiation and Isotopes, 2017, 123, 54-59.	1.5	5
21	Can one measure the Cosmic Neutrino Background?. International Journal of Modern Physics E, 2017, 26, 1740008.	1.0	13
22	Search for Neutrinoless Quadruple- β Decay of ^{150}Nd . β - β decay of ^{150}Nd and search for the neutrinoless double beta decay of ^{150}Nd . Physical Review D, 2017, 95, 012004.	7.8	12
23	Absolute calibration of imaging plate detectors for electron kinetic energies between 150 keV and 1.75 MeV. Review of Scientific Instruments, 2017, 88, 075105.	1.3	17
24	Calorimeter development for the SuperNEMO double beta decay experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 868, 98-108.	1.6	17
25	Measurement of the ^{150}Nd half-life and search for the neutrinoless double beta decay of ^{150}Nd . Physical Review D, 2017, 95, 012004.	4.7	39
26	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.4	126
27	The BiPo-3 detector for the measurement of ultra low natural radioactivities of thin materials. Journal of Instrumentation, 2017, 12, P06002-P06002.	1.2	17
28	Measurement of the ^{150}Nd half-life and search for the neutrinoless double beta decay of ^{150}Nd . Physical Review D, 2017, 95, 012004.	4.7	55
29	Results of the search for neutrinoless double- β decay in ^{150}Nd and ^{150}Sm . Physical Review D, 2017, 95, 012004.	4.7	63
30	Search for the Cosmic Neutrino Background. Journal of Physics: Conference Series, 2015, 580, 012040.	4.7	119
31	Double electron capture of ^{106}Cd in the TGV-2 experiment. AIP Conference Proceedings, 2015, , .	0.4	2
32	Improvement of the energy resolution of the scintillating detectors for the low background measurement. AIP Conference Proceedings, 2015, , .	0.4	2
33	Investigations of 2β decay of ^{106}Cd and ^{58}Ni with HPGe spectrometer OBELIX. AIP Conference Proceedings, 2015, , .	0.4	0
34	Search for the Cosmic Neutrino Background. Journal of Physics: Conference Series, 2015, 580, 012040.	0.4	6
35	Status of the SuperNEMO demonstrator. AIP Conference Proceedings, 2015, , .	0.4	0
36	New search for double electron capture in ^{106}Cd decay with the TGV-2 spectrometer. Physics of Atomic Nuclei, 2015, 78, 740-745.	0.4	7

#	ARTICLE	IF	CITATIONS
37	Investigation of double beta decay of ^{100}Mo to excited states of ^{100}Ru . Nuclear Physics A, 2014, 925, 25-36.	1.5	39
38	Production and release of ISOL beams from molten fluoride salt targets. Nuclear Instruments & Methods in Physics Research B, 2014, 329, 1-5.	1.4	9
39	Search for neutrinoless double beta decay of ^{100}Mo with the NEMO-3 detector. Physical Review D, 2014, 89, .	4.7	45
40	Beta Decay and the Cosmic Neutrino Background. EPJ Web of Conferences, 2014, 71, 00044.	0.3	9
41	^{18}Ne production for the Beta beams project. , 2013, , .		0
42	Opportunities for neutrino experiments at ISOLDE. Journal of Physics: Conference Series, 2013, 408, 012068.	0.4	1
43	experiment on the double- β -decaying nuclei	2.9	47
44	A high intensity ^6He beam for the $\hat{1}^2$ -beam neutrino oscillation facility. Europhysics Letters, 2012, 98, 32001.	2.0	24
45	Production of high intensity Beta beams at the ISOLDE facility. , 2011, , .		0
46	The $^{71}\text{Ga}(^3\text{He},\alpha^0\text{t})$ reaction and the low-energy neutrino response. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 706, 134-138.	4.1	65
47	Towards the detection of light and heavy relic neutrinos. Progress in Particle and Nuclear Physics, 2011, 66, 452-456.	14.4	2
48	Relation between the $0\hat{1}^2$ and $2\hat{1}^2$ matrix elements reexamined. Physical Review C, 2011, 83, .	2.9	45
49	Tritium and rhenium as a probe of cosmic neutrino background. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 075202.	3.6	6
50	Comparison Of Expected Yields For Light Radioactive Beams At SPIRAL-1 And 2. , 2010, , .		2
51	Capturing relic neutrinos with $\hat{1}^2$ - and double $\hat{1}^2$ -decaying nuclei. , 2009, , .		4