

# V Valkovic

## List of Publications by Year in descending order

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38  
papers

806  
citations

430874

18  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

203  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of 14 MeV neutrons in light element nucleosynthesis. EPJ Web of Conferences, 2018, 170, 01017.	0.3	0
2	The Role of 14-MeV Neutrons in Light Element Nucleosynthesis. IEEE Transactions on Nuclear Science, 2018, 65, 2366-2371.	2.0	0
3	Improved System for Inspecting Minefields and Residual Explosives. IEEE Transactions on Nuclear Science, 2014, 61, 2195-2203.	2.0	7
4	Improved system for inspecting minefields and residual explosives. , 2013, , .		0
5	Quantitative comparison between experimental and simulated gamma-ray spectra induced by 14MeV tagged neutrons. Applied Radiation and Isotopes, 2012, 70, 1186-1192.	1.5	16
6	Conversion factors from counts to chemical ratios for the EURITRACK tagged neutron inspection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 621-629.	1.6	23
7	Experimental and MCNP simulated gamma-ray spectra for the UNCOSS neutron-based explosive detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 220-229.	1.6	28
8	Acquisition of prompt gamma-ray spectra induced by 14MeV neutrons and comparison with Monte Carlo simulations. Applied Radiation and Isotopes, 2011, 69, 732-743.	1.5	37
9	Material characterization in cemented radioactive waste with the associated particle technique. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 432-435.	1.6	14
10	Measurement of 14MeV neutron-induced prompt gamma-ray spectra from 15 elements found in cargo containers. Applied Radiation and Isotopes, 2008, 66, 421-434.	1.5	42
11	In-field tests of the EURITRACK tagged neutron inspection system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 397-405.	1.6	57
12	Monte Carlo analysis of tagged neutron beams for cargo container inspection. Applied Radiation and Isotopes, 2007, 65, 1322-1329.	1.5	9
13	Photon attenuation and neutron moderation correction factors for the inspection of cargo containers with tagged neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 638-643.	1.6	29
14	Front-end electronics and DAQ for the EURITRACK tagged neutron inspection system. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 391-395.	1.4	16
15	Development of the EURITRACK tagged neutron inspection system. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 295-298.	1.4	56
16	Progress in tagged neutron beams for cargo inspections. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 268-271.	1.4	30
17	The use of synchrotron radiation for trace element analysis of biomedical samples. Rivista Del Nuovo Cimento, 1993, 16, 1-55.	5.7	1
18	Incorporation routes of elements into human hair; implications for hair analysis used for monitoring. Science of the Total Environment, 1985, 42, 157-169.	8.0	57

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19	On the incorporation of trace elements into human hair measured with micro-PIXE. Nuclear Instruments & Methods in Physics Research B, 1984, 3, 654-659.	1.4	24
20	The measurement of position dependent trace element concentrations with micro-proton induced X-ray emission. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1983, 38, 1209-1215.	2.9	22
21	Concentration measurements of micro- and macro- constituents in some biological materials. Nuclear Instruments & Methods, 1981, 181, 255-257.	1.2	1
22	Some improvements on a scattering chamber for PIXE. Nuclear Instruments & Methods, 1981, 179, 249-258.	1.2	19
23	Factors Influencing Elemental Composition of Human Hair. , 1981, , 133-137.		2
24	Studies on Trace Elements in Human Hair by X-ray Emission Spectroscopy. , 1981, , 129-132.		0
25	Studies of Trace Elements Movements in the Environment by X-ray Emission Spectroscopy. , 1980, , 485-492.		0
26	Studies of Lead in Water and Biological Materials using X-ray Emission Spectroscopy. , 1980, , 93-107.		0
27	Trace element concentrations in tree rings as indicators of environmental pollution. Environment International, 1979, 2, 27-32.	10.0	20
28	Trace element concentration ratios in mice hair. International Journal of Nuclear Medicine and Biology, 1979, 6, 58-59.	0.3	0
29	Trace-Element Concentrations In Human Hair Measured By Proton-Induced X-Ray Emission. Journal of Investigative Dermatology, 1976, 66, 371-375.	0.7	16
30	Trace element analysis using proton-induced X-ray emission spectroscopy. Nuclear Instruments & Methods, 1974, 114, 573-579.	1.2	57
31	Variation in Trace Metal Concentrations along Single Hairs as Measured by Proton-induced X-ray Emission Photometry. Nature, 1973, 243, 543-544.	27.8	32
32	X-ray emission spectroscopy part II. Contemporary Physics, 1973, 14, 439-462.	1.8	14
33	The $D(p, \hat{A}d^*)p$ Cross Section from the $D(p, \hat{A}2p)n$ Reaction. Physical Review C, 1970, 1, 1342-1352.	2.9	9
34	Neutron-Proton Coincidence Measurement from the Neutron-Induced Breakup of the Deuteron. Physical Review C, 1970, 1, 1221-1225.	2.9	8
35	$p + \hat{D} \rightarrow p + p + n$ Reaction at $6.5 \text{ MeV}$ . Physical Review, 1969, 182, 1083-1094.	2.7	39
36	Neutron-charged particle coincidence measurements from 14.4 MeV neutron induced reactions. Nuclear Instruments & Methods, 1969, 76, 29-34.	1.2	39

#	ARTICLE	IF	CITATIONS
37	Charge Dependence of Nuclear Forces and the Breakup of Deuterons and Tritons. Physical Review, 1964, 133, B948-B955.	2.7	72
38	Triton spectrum from the n+Li7 reaction. Nuclear Physics (journal), 1964, 60, 581-587.	1.9	10