

Christiaan Vermeulen

List of Publications by Year in descending order

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papers

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516710

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56
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56
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56
times ranked

806
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclotron production of ^{44}Sc : From bench to bedside. <i>Nuclear Medicine and Biology</i> , 2015, 42, 745-751.	0.6	91
2	Alpha-PET with terbium-149: evidence and perspectives for radiotheragnostics. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2017, 1, 5.	3.9	72
3	Clinical evaluation of the radiolanthanide terbium-152: first-in-human PET/CT with ^{152}Tb -DOTATOC. <i>Dalton Transactions</i> , 2017, 46, 14638-14646.	3.3	61
4	Investigation of the $^{66}\text{Zn}(p,2p)^{64}\text{Cu}$ and $^{68}\text{Zn}(p,x)^{64}\text{Cu}$ nuclear processes up to 100 MeV: Production of ^{64}Cu . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 240, 625-637.	1.4	47
5	Contribution of Auger/conversion electrons to renal side effects after radionuclide therapy: preclinical comparison of ^{161}Tb -folate and ^{177}Lu -folate. <i>EJNMMI Research</i> , 2016, 6, 13.	2.5	43
6	Imaging quality of ^{44}Sc in comparison with five other PET radionuclides using Derenzo phantoms and preclinical PET. <i>Applied Radiation and Isotopes</i> , 2016, 110, 129-133.	1.5	43
7	Cross sections of proton-induced reactions on ^{152}Gd , ^{155}Gd and ^{159}Tb with emphasis on the production of selected Tb radionuclides. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 319, 128-140.	1.4	41
8	Cross sections of proton-induced reactions on Gd with special emphasis on the production possibilities of ^{152}Tb and ^{155}Tb . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 275, 24-32.	1.4	40
9	Preclinical in vivo application of ^{152}Tb -DOTANOC: a radiolanthanide for PET imaging. <i>EJNMMI Research</i> , 2016, 6, 35.	2.5	40
10	Preclinical investigations and first-in-human application of ^{152}Tb -PSMA-617 for PET/CT imaging of prostate cancer. <i>EJNMMI Research</i> , 2019, 9, 68.	2.5	39
11	Carbon radioactivity of ^{223}Ac and a search for nitrogen emission. <i>Journal of Physics: Conference Series</i> , 2008, 111, 012050.	0.4	36
12	Studies of the effect of tracer activity on time-averaged positron emission particle tracking measurements on tumbling mills at PEPT Cape Town. <i>Minerals Engineering</i> , 2011, 24, 261-266.	4.3	35
13	Investigation of the $^{68}\text{Zn}(p, 2p)^{67}\text{Cu}$ nuclear reaction: New measurements up to 40 MeV and compilation up to 100 MeV. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 1877-1881.	1.4	31
14	Developing the ^{134}Ce and ^{134}La pair as companion positron emission tomography diagnostic isotopes for ^{225}Ac and ^{227}Th radiotherapeutics. <i>Nature Chemistry</i> , 2021, 13, 284-289.	13.6	25
15	Production of no-carrier-added ^{139}Pr via precursor decay in the proton bombardment of natPr. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 252, 149-159.	1.4	20
16	Excitation Functions of Proton Induced Reactions on ^{89}Y and ^{93}Nb with Emphasis on the Production of Selected Radio-Zirconiums. <i>Journal of the Korean Physical Society</i> , 2011, 59, 1991-1994.	0.7	20
17	New cross section measurements for production of the positron emitters ^{75}Br and ^{76}Br via intermediate energy proton induced reactions. <i>Radiochimica Acta</i> , 2009, 97, .	1.2	17
18	Internal radiation dosimetry of a ^{152}Tb -labeled antibody in tumor-bearing mice. <i>EJNMMI Research</i> , 2019, 9, 53.	2.5	17

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19	Production possibility of ^{186}Re via the $^{192}\text{Os}(p, \hat{1}\pm 3n)^{186}\text{Re}$ nuclear reaction. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 261-263.	1.5	16
20	Production of ^{230}Pa by proton irradiation of ^{232}Th at the LANL isotope production facility: Precursor of ^{230}U for targeted alpha therapy. Applied Radiation and Isotopes, 2020, 156, 108973.	1.5	15
21	New cross section measurements for the production of the Auger electron emitters ^{77}Br and ^{80m}Br . Radiochimica Acta, 2010, 98, 749-755.	1.2	14
22	Excitation functions of $\text{natZr}+p$ nuclear processes up to 70MeV: New measurements and compilation. Nuclear Instruments & Methods in Physics Research B, 2015, 343, 173-191.	1.4	14
23	Production of ^{139}Ce by proton-induced reactions on ^{141}Pr and natLa . Nuclear Instruments & Methods in Physics Research B, 2007, 255, 331-337.	1.4	13
24	Large-Scale Production of ^{119m}Te and ^{119}Sb for Radiopharmaceutical Applications. ACS Central Science, 2019, 5, 494-505.	11.3	12
25	Thick targets for the production of some radionuclides and the chemical processing of these targets at iThemba LABS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 171-175.	1.6	9
26	A vertical-beam target station and high-power targetry for the cyclotron production of radionuclides with medium energy protons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 131-144.	1.6	9
27	Measurement of the ^{43}Sc production cross-section with a deuteron beam. Applied Radiation and Isotopes, 2019, 145, 205-208.	1.5	9
28	Investigating high-energy proton-induced reactions on spherical nuclei: Implications for the preequilibrium exciton model. Physical Review C, 2021, 103, .	2.9	9
29	Excitation functions of $^{186}, ^{187}, ^{188}, ^{189}, ^{190}, ^{192}\text{Ir}$ formed in proton-induced reactions on highly enriched ^{192}Os up to 66 MeV. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3306-3314.	1.4	8
30	Cross section measurements for proton induced reactions on natural La. Nuclear Instruments & Methods in Physics Research B, 2020, 468, 81-88.	1.4	8
31	Novel design and diagnostics improvements for increased production capacity and improved reliability at the Los Alamos Isotope Production Facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 956, 163316.	1.6	7
32	Measurement and modeling of proton-induced reactions on arsenic from 35 to 200 MeV. Physical Review C, 2021, 104, .	2.9	7
33	Investigation of Production Possibilities of Radiobromines for Diagnostic and Therapeutic Applications. Journal of the Korean Physical Society, 2011, 59, 1983-1986.	0.7	6
34	Separation of ^{103}Pd from Rh and Ag by the macroporous AG MP-1 anion exchange resin in Ag targets. Journal of Radioanalytical and Nuclear Chemistry, 2003, 256, 31-35.	1.5	5
35	New Nuclear Structure and Decay Results in the $^{76}\text{Ge} \leftrightarrow ^{76}\text{As}$ System. Nuclear Data Sheets, 2014, 120, 44-47.	2.2	5

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55	Multi-jet gas cooling of in-beam foils or specimens: CFD predictions of the convective heat-transfer coefficient. EPJ Web of Conferences, 2020, 229, 05002.	0.3	0