

# Willem G Langeveld

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,195  
citations

430874

18  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-cost, multi-mode detector solutions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161289.	1.6	3
2	Comparison of dual-energy, Z-SCAN, and Z-SPEC material separation techniques for high-energy x-ray cargo inspection. AIP Conference Proceedings, 2019, , .	0.4	2
3	Pulse Shape Discrimination Algorithms, Figures of Merit, and Gamma-Rejection for Liquid and Solid Scintillators. IEEE Transactions on Nuclear Science, 2017, 64, 1801-1809.	2.0	18
4	A Noise Spectroscopy Detector Array for Non-Intrusive Cargo Inspection. IEEE Transactions on Nuclear Science, 2016, 63, 516-523.	2.0	8
5	Implementation of Noise Spectroscopy Using Biased Large-Area Photodiodes. IEEE Transactions on Nuclear Science, 2013, 60, 937-945.	2.0	6
6	Characterization of ZnO, $\text{BaF}_2$ and $\text{PbWO}_4$ Scintillator Detectors for Cargo Inspection Using Transmitted X-ray Spectroscopy. IEEE Transactions on Nuclear Science, 2013, 60, 1016-1023.	2.0	4
7	A whole-system approach to x-ray spectroscopy in cargo inspection systems. AIP Conference Proceedings, 2013, , .	0.4	9
8	Linear accelerator x-ray sources with high duty cycle. , 2013, , .		7
9	Compact low-noise preamplifier for noise spectroscopy with biased photodiodes in cargo inspection systems. Proceedings of SPIE, 2013, , .	0.8	3
10	Performance Characteristics Of An Intensity Modulated Advanced X-Ray Source (IMAXS) For Homeland Security Applications. , 2011, , .		4
11	Intensity-Modulated Advanced X-Ray Source (IMAXS) for Homeland Security Applications. IEEE Transactions on Nuclear Science, 2009, 56, 1288-1291.	2.0	8
12	Intensity-Modulated Advanced X-ray Source (IMAXS) for Homeland Security Applications. , 2009, , .		4
13	Measurement of CP-Violating Asymmetries in $B^0$ Decays to CP Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.	7.8	125
14	Search for Millicharged Particles at SLAC. Physical Review Letters, 1998, 81, 1175-1178.	7.8	179
15	TWOGEN – a simple Monte Carlo generator for two-photon reactions. Computer Physics Communications, 1994, 79, 523-532.	7.5	30
16	Test of spin dependence in charm-quark fragmentation to $D^*$ . Physical Review D, 1991, 43, 29-33.	4.7	9
17	Measurement of the total hadronic cross section in tagged $\hat{\gamma}\hat{\gamma}$ reactions. Physical Review D, 1990, 41, 2667-2674.	4.7	31
18	Investigation of the electromagnetic structure of $\rho$ and $\rho(770)$ mesons by two-photon interactions. Physical Review Letters, 1990, 64, 172-175.	7.8	75

#	ARTICLE	IF	CITATIONS
19	Exclusive production of $\rho^0$ in photon-photon collisions. Physical Review D, 1989, 40, 2772-2776.	4.7	7
20	Formation of spin-one mesons by photon-photon fusion. Physical Review D, 1988, 38, 1-18.	4.7	56
21	Charmonium Production in Photon-Photon Collisions. Physical Review Letters, 1988, 60, 2355-2358.	7.8	22
22	Operator renormalization group. Physical Review D, 1988, 38, 3238-3247.	4.7	6
23	Production of four-prong final states in photon-photon collisions. Physical Review D, 1988, 37, 28-40.	4.7	39
24	Charged-Hadron Inclusive Cross Sections and Fractions in $e^+e^-$ Annihilation at $s=29\text{GeV}$ . Physical Review Letters, 1988, 61, 1263-1266.	7.8	107
25	Measurement of $\rho^0$ branching ratios. Physical Review D, 1987, 35, 1553-1561.	4.7	13
26	Study of $\rho^0$ formation in photon-photon collisions. Physical Review D, 1987, 35, 2650-2654.	4.7	20
27	Experimental limit on the decay $\rho^0 \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 1987, 59, 751-754.	7.8	12
28	Observation of scaling of the photon structure function $F_2^{\gamma}$ at low $Q^2$ . Physical Review Letters, 1987, 58, 97-100.	7.8	35
29	Optical storage and its possible use in high-energy physics. Computer Physics Communications, 1987, 45, 395-402.	7.5	2
30	Search for high-mass narrow resonances in virtual photon-photon interactions. Physical Review Letters, 1986, 57, 3245-3248.	7.8	3
31	Experimental limit on $\rho^0 \rightarrow \pi^0 \pi^0$ and the interpretation of the iota as a glueball. Physical Review Letters, 1986, 57, 51-54.	7.8	39
32	Evidence for a Spin-1 Particle Produced by Two Photons. Physical Review Letters, 1986, 57, 2500-2503.	7.8	44
33	Study of baryon correlations in $e^+e^-$ annihilation at 29 GeV. Physical Review Letters, 1986, 57, 3140-3143.	7.8	35
34	Pion and Kaon Pair Production in Photon-Photon Collisions. Physical Review Letters, 1986, 57, 404-407.	7.8	89
35	Measurement of the Inclusive Branching Fraction $\rho^0 \rightarrow \pi^0 \pi^0$ . Physical Review Letters, 1986, 57, 1836-1838.	7.8	19
36	Comparison of the Particle Flow in $q\bar{q}$ and $q\bar{q} \rightarrow \rho^0$ Events in $e^+e^-$ Annihilation. Physical Review Letters, 1986, 57, 945-948.	7.8	39

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37	Exclusive Production of $K^+K^{\sim}$ in Photon-Photon Collisions. Physical Review Letters, 1985, 54, 2564-2567.	7.8	15
38	Measurement of the total hadronic cross section in virtual photon-photon interactions. Physical Review Letters, 1985, 54, 763-766.	7.8	34
39	Correlations between High-Momentum Mesons in $p^+p^{\sim}$ at $\sqrt{s}=63\text{GeV}$ . Physical Review Letters, 1980, 44, 118-121.	7.8	21
40	Spin-parity assignments to high-spin states of $^{41}\text{K}$ and $^{41}\text{Ca}$ . Nuclear Physics A, 1978, 299, 175-188.	1.5	13