

Johannes F J Van Den Brand

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9304818/publications.pdf>

Version: 2024-02-01

100
papers

8,538
citations

101543

36
h-index

42399

92
g-index

100
all docs

100
docs citations

100
times ranked

5719
citing authors

#	ARTICLE	IF	CITATIONS
1	Newtonian-noise characterization at Terziet in Limburgâ€”the Euregio Meuseâ€”Rhine candidate site for Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2022, 39, 025009.	4.0	8
2	Surface and underground seismic characterization at Terziet in Limburgâ€”the Euregio Meuseâ€”Rhine candidate site for Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2022, 39, 025008.	4.0	8
3	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20
4	Gas Damping in Capacitive MEMS Transducers in the Free Molecular Flow Regime. <i>Sensors</i> , 2021, 21, 2566.	3.8	3
5	Advanced Virgo Status. <i>Journal of Physics: Conference Series</i> , 2020, 1342, 012010.	0.4	9
6	A multistage vibration isolation system for Advanced Virgo suspended optical benches. <i>Classical and Quantum Gravity</i> , 2019, 36, 075007.	4.0	17
7	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018, 21, 3.	26.7	808
8	A novel interferometrically read out inertial sensor for future gravitational wave detectors. , 2018, , .		5
9	Construction of KAGRA: an underground gravitational-wave observatory. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	73
10	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017, 529, 1600209.	2.4	69
11	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017, 841, 89.	4.5	52
12	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017, 32, 1744003.	1.5	6
13	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016, 33, 134001.	4.0	225
14	Prospects for Observing and Localizing Gravitational-Wave Transients with Advanced LIGO and Advanced Virgo. <i>Living Reviews in Relativity</i> , 2016, 19, 1.	26.7	427
15	Innovations in seismic sensors driven by the search for gravitational waves. <i>The Leading Edge</i> , 2016, 35, 590-593.	0.7	8
16	The Advanced Virgo detector. <i>Journal of Physics: Conference Series</i> , 2015, 610, 012014.	0.4	27
17	Advanced Virgo: a second-generation interferometric gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2015, 32, 024001.	4.0	2,530
18	Reconstruction of the gravitational wave signal $h(t)$ during the Virgo science runs and independent validation with a photon calibrator. <i>Classical and Quantum Gravity</i> , 2014, 31, 165013.	4.0	10

#	ARTICLE	IF	CITATIONS
19	Progress and challenges in advanced ground-based gravitational-wave detectors. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	2
20	State observers and Kalman filtering for high performance vibration isolation systems. <i>Review of Scientific Instruments</i> , 2014, 85, 034501.	1.3	15
21	Central heating radius of curvature correction (CHRoCC) for use in large scale gravitational wave interferometers. <i>Classical and Quantum Gravity</i> , 2013, 30, 055017.	4.0	11
22	Characterization of the Virgo seismic environment. <i>Classical and Quantum Gravity</i> , 2012, 29, 025005.	4.0	5
23	Status of the commissioning of the Virgo interferometer. , 2012, , .		1
24	Noise monitor tools and their application to Virgo data. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012024.	0.4	2
25	The NoEMi (Noise Frequency Event Miner) framework. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012037.	0.4	12
26	Newtonian noise and ambient ground motion for gravitational wave detectors. <i>Journal of Physics: Conference Series</i> , 2012, 363, 012004.	0.4	26
27	PROGRESSES IN THE REALIZATION OF A MONOLITHIC SUSPENSION SYSTEM IN VIRGO. , 2012, , .		0
28	Scientific objectives of Einstein Telescope. <i>Classical and Quantum Gravity</i> , 2012, 29, 124013.	4.0	355
29	A THERMAL COMPENSATION SYSTEM FOR THE GRAVITATIONAL WAVE DETECTOR VIRGO. , 2012, , .		2
30	THE VIRGO INTERFEROMETER FOR GRAVITATIONAL WAVE DETECTION. <i>International Journal of Modern Physics D</i> , 2011, 20, 2075-2079.	2.1	4
31	The Seismic Superattenuators of the Virgo Gravitational Waves Interferometer. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2011, 30, 63-79.	2.9	28
32	Improving the sensitivity of future GW observatories in the 10^{-10} Hz band: Newtonian and seismic noise. <i>General Relativity and Gravitation</i> , 2011, 43, 623-656.	2.0	46
33	Calibration and sensitivity of the Virgo detector during its second science run. <i>Classical and Quantum Gravity</i> , 2011, 28, 025005.	4.0	85
34	A state observer for the Virgo inverted pendulum. <i>Review of Scientific Instruments</i> , 2011, 82, 094502.	1.3	8
35	Status of the Virgo project. <i>Classical and Quantum Gravity</i> , 2011, 28, 114002.	4.0	171
36	Searching for gravitational waves from pulsars in binary systems: An all-sky search. <i>Journal of Physics: Conference Series</i> , 2010, 228, 012005.	0.4	16

#	ARTICLE	IF	CITATIONS
37	Einstein telescope site selection: Seismic and gravity gradient noise. Journal of Physics: Conference Series, 2010, 203, 012076.	0.4	6
38	Towards time domain finite element analysis of gravity gradient noise. Journal of Physics: Conference Series, 2010, 228, 012034.	0.4	4
39	Tools for noise characterization in Virgo. Journal of Physics: Conference Series, 2010, 243, 012004.	0.4	0
40	Virgo calibration and reconstruction of the gravitational wave strain during VSR1. Journal of Physics: Conference Series, 2010, 228, 012015.	0.4	8
41	Status and perspectives of the Virgo gravitational wave detector. Journal of Physics: Conference Series, 2010, 203, 012074.	0.4	29
42	Characterization of the seismic environment at the Sanford Underground Laboratory, South Dakota. Classical and Quantum Gravity, 2010, 27, 225011.	4.0	26
43	Noise from scattered light in Virgo's second science run data. Classical and Quantum Gravity, 2010, 27, 194011.	4.0	59
44	In-vacuum Faraday isolation remote tuning. Applied Optics, 2010, 49, 4780.	2.1	8
45	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	4.5	90
46	Laser with an in-loop relative frequency stability of 1.0×10^{-8} on a 100-ms time scale for gravitational-wave detection. Physical Review A, 2009, 79, .	2.5	8
47	Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves. Classical and Quantum Gravity, 2009, 26, 204002.	4.0	10
48	Gravitational wave burst search in the Virgo C7 data. Classical and Quantum Gravity, 2009, 26, 085009.	4.0	16
49	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	27.8	303
50	In-vacuum optical isolation changes by heating in a Faraday isolator. Applied Optics, 2008, 47, 5853.	2.1	13
51	The Real-Time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. IEEE Transactions on Nuclear Science, 2008, 55, 302-310.	2.0	7
52	The Virgo 3 km interferometer for gravitational wave detection. Journal of Optics, 2008, 10, 064009.	1.5	31
53	A cross-correlation method to search for gravitational wave bursts with AURIGA and Virgo. Classical and Quantum Gravity, 2008, 25, 114046.	4.0	0
54	Search for gravitational waves associated with GRB 050915a using the Virgo detector. Classical and Quantum Gravity, 2008, 25, 225001.	4.0	28

#	ARTICLE	IF	CITATIONS
55	Status of Virgo. Classical and Quantum Gravity, 2008, 25, 114045.	4.0	148
56	Virgo status. Classical and Quantum Gravity, 2008, 25, 184001.	4.0	116
57	Noise studies during the first Virgo science run and after. Classical and Quantum Gravity, 2008, 25, 184003.	4.0	8
58	Status of coalescing binaries search activities in Virgo. Classical and Quantum Gravity, 2007, 24, 5767-5775.	4.0	9
59	Measurement of the Proton's Electric to Magnetic Form Factor Ratio from $H^1(e^+e^-p)$. Physical Review Letters, 2007, 98, 052301.	7.8	107
60	The Real-time Distributed Control of the Virgo Interferometric Detector of Gravitational Waves. , 2007, , .		1
61	Evidence for Quark-Hadron Duality in the Proton Spin Asymmetry A1. Physical Review Letters, 2003, 90, 092002.	7.8	49
62	Polarization Transfer in the $He^4(e^+e^-p)^3H$ Reaction up to $Q^2=2.6 \text{ GeV}^2$. Physical Review Letters, 2003, 91, 052301.	7.8	117
63	Spin-Momentum Correlations in Quasielastic Electron Scattering from Deuterium. Physical Review Letters, 2002, 88, 102302.	7.8	20
64	Spin-Dependent Electron-Proton Scattering in the γ -Excitation Region. Physical Review Letters, 2002, 89, 012001.	7.8	12
65	Measurement of the Beam-Spin Azimuthal Asymmetry Associated with Deeply-Virtual Compton Scattering. Physical Review Letters, 2001, 87, .	7.8	253
66	Single-spin azimuthal asymmetries in electroproduction of neutral pions in semi-inclusive deep-inelastic scattering. Physical Review D, 2001, 64, .	4.7	147
67	Measurement of longitudinal spin transfer to hyperons in deep-inelastic lepton scattering. Physical Review D, 2001, 64, .	4.7	36
68	Evidence for a Single-Spin Azimuthal Asymmetry in Semi-inclusive Pion Electroproduction. Physical Review Letters, 2000, 84, 4047-4051.	7.8	256
69	Experiments with Longitudinally Polarized Electrons in a Storage Ring Using a Siberian Snake. Physical Review Letters, 2000, 84, 3855-3858.	7.8	7
70	Beam-Induced Nuclear Depolarization in a Gaseous Polarized-Hydrogen Target. Physical Review Letters, 1999, 82, 1164-1168.	7.8	14
71	Tensor Analyzing Powers for Quasielastic Electron Scattering from Deuterium. Physical Review Letters, 1999, 82, 687-690.	7.8	20
72	Charge Form Factor of the Neutron from the Reaction $2H^1(e^+e^-n)p$. Physical Review Letters, 1999, 82, 4988-4991.	7.8	191

#	ARTICLE	IF	CITATIONS
73	Measurement of T_{20} in Elastic Electron-Deuteron Scattering. Physical Review Letters, 1999, 82, 3755-3758.	7.8	65
74	Observation of a Coherence Length Effect in Exclusive π^0 Electroproduction. Physical Review Letters, 1999, 82, 3025-3029.	7.8	53
75	Spin-exchange effects on tensor polarization of deuterium atoms. Physical Review A, 1998, 58, 1146-1151.	2.5	4
76	Flavor Asymmetry of the Light Quark Sea from Semi-inclusive Deep-Inelastic Scattering. Physical Review Letters, 1998, 81, 5519-5523.	7.8	176
77	High-Missing-Momentum Components in the $^4\text{He}(e, e'\pi^0)p$ Reaction. Physical Review Letters, 1998, 80, 2543-2546.	7.8	17
78	Evidence for Nuclear Tensor Polarization of Deuterium Molecules in Storage Cells. Physical Review Letters, 1997, 78, 1235-1238.	7.8	19
79	Measurement of Tensor Analyzing Powers for Elastic Electron Scattering from a Polarized ^2H Target Internal to a Storage Ring. Physical Review Letters, 1996, 77, 2630-2633.	7.8	80
80	Inclusive electron scattering from nuclei at $x \approx 1$. Physical Review C, 1996, 53, 2248-2251.	2.9	33
81	Electron scattering from a tensor polarized ^2H internal target. European Physical Journal D, 1995, 45, 337-359.	0.4	1
82	Exclusive Electron Scattering from Deuterium at High Momentum Transfer. Physical Review Letters, 1995, 74, 4775-4778.	7.8	22
83	Measurement of Quasielastic $^3\text{He}(\rho^{\uparrow}, \tilde{\Lambda}^{\uparrow}pN)$ Scattering from Polarized ^3He and the Three-Body Ground State Spin Structure. Physical Review Letters, 1995, 74, 502-505.	7.8	32
84	Evidence for virtual Compton scattering from the proton. Physical Review D, 1995, 52, 4868-4871.	4.7	9
85	Two-Body Photodisintegration of the Deuteron up to 2.8 GeV. Physical Review Letters, 1995, 74, 646-649.	7.8	57
86	Momentum transfer dependence of nuclear transparency from the quasielastic $^{12}\text{C}(e, e'\pi^0)p$ reaction. Physical Review Letters, 1994, 72, 1986-1989.	7.8	123
87	Measurement of spin observables using a storage ring with polarized beam and polarized internal gas target. Physical Review Letters, 1993, 70, 738-741.	7.8	24
88	$^3\text{He}(\rho^{\uparrow}, \rho^{\uparrow})$ quasielastic asymmetry. Physical Review C, 1993, 47, 110-130.	2.9	25
89	Study of the mechanism of the reaction $^4\text{He}(e, e'\pi^0)^3\text{H}$. Physical Review Letters, 1991, 66, 409-412.	7.8	18
90	Mechanism of the reaction $^4\text{He}(e, e'\pi^0)^2\text{H}$. Physical Review Letters, 1991, 67, 18-21.	7.8	28

#	ARTICLE	IF	CITATIONS
91	Determination of the neutron electric form factor in quasielastic scattering of polarized electrons from polarized He3. Physical Review C, 1991, 44, R571-R574.	2.9	40
92	(e,e'p) study of triton+deuteron+proton clustering in Li6. Physical Review Letters, 1989, 63, 2793-2796.	7.8	11
93	Deuteron Formation in the Reaction C12(e,e'p)B11. Physical Review Letters, 1989, 62, 24-27.	7.8	20
94	Electrodisintegration of Li6 studied with the reaction Li6(e,e'p). Physical Review Letters, 1989, 62, 2925-2928.	7.8	19
95	Electrodisintegration of He4 studied with the reaction He4(e,e'p)H3. Physical Review Letters, 1988, 60, 2006-2009.	7.8	52
96	Nuclear-density dependence of the electron-proton coupling. Physical Review Letters, 1987, 58, 1727-1730.	7.8	64
97	Evidence for partial occupancy of the 3s1/2 proton orbit in Pb208. Physical Review Letters, 1987, 58, 1088-1091.	7.8	79
98	Reaction Li6(e,e'd)4He and the \vec{q} Momentum Distribution in the Ground State of Li6. Physical Review Letters, 1986, 57, 2367-2370.	7.8	55
99	Effect of the Nuclear Medium on the Proton Investigated with the Reaction C12(e,e'p)B11. Physical Review Letters, 1986, 57, 182-185.	7.8	100
100	Relative 3s Spectroscopic Strength in Pb206 and Pb208 Studied with the (e,e'p) Knockout Reaction. Physical Review Letters, 1986, 57, 186-189.	7.8	61