Raymond van de Berg

List of Publications by Year
in descending order

88 papers	2,069 citations	236925 25 h-index	302126 39 g-index
91 all docs	91 docs citations	91 times ranked	1140 citing authors

#	Article	IF	Citations
1	Bilateral Vestibular Hypofunction: Insights in Etiologies, Clinical Subtypes, and Diagnostics. Frontiers in Neurology, 2016, 7, 26.	2.4	132
2	Presbyvestibulopathy: Diagnostic criteria Consensus document of the classification committee of the BÃ¡rÃ¡ny Society. Journal of Vestibular Research: Equilibrium and Orientation, 2019, 29, 161-170.	2.0	126
3	Bilateral Vestibular Hypofunction: Challenges in Establishing the Diagnosis in Adults. Orl, 2015, 77, 197-218.	1.1	81
4	Artificial Balance: Restoration of the Vestibulo-Ocular Reflex in Humans with a Prototype Vestibular Neuroprosthesis. Frontiers in Neurology, 2014, 5, 66.	2.4	80
5	Vestibular Implants: 8 Years of Experience with Electrical Stimulation of the Vestibular Nerve in 11 Patients with Bilateral Vestibular Loss. Orl, 2015, 77, 227-240.	1.1	71
6	The Modified Ampullar Approach for Vestibular Implant Surgery: Feasibility and Its First Application in a Human with a Long-Term Vestibular Loss. Frontiers in Neurology, 2012, 3, 18.	2.4	69
7	Vestibular migraine and recurrent vertigo of childhood: Diagnostic criteria consensus document of the Classification Committee of Vestibular Disorders of the BÃ¡rÃ¡ny Society and the International Headache Society. Journal of Vestibular Research: Equilibrium and Orientation, 2021, 31, 1-9.	2.0	66
8	The vestibular implant: frequency-dependency of the electrically evoked vestibulo-ocular reflex in humans. Frontiers in Systems Neuroscience, 2014, 8, 255.	2.5	65
9	Bone-Anchored Hearing Aid. Otology and Neurotology, 2010, 31, 129-135.	1.3	64
10	Full Spectrum of Reported Symptoms of Bilateral Vestibulopathy Needs Further Investigationâ€”A Systematic Review. Frontiers in Neurology, 2018, 9, 352.	2.4	62
11	Cognitive Function in Acquired Bilateral Vestibulopathy: A Cross-Sectional Study on Cognition, Hearing, and Vestibular Loss. Frontiers in Neuroscience, 2019, 13, 340.	2.8	58
12	Anatomy, physiology, and physics of the peripheral vestibular system. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 137, 1-16.	1.8	47
13	Restoring Visual Acuity in Dynamic Conditions with a Vestibular Implant. Frontiers in Neuroscience, 2016, 10, 577.	2.8	43
14	Eye Gaze Technology as a Form of Augmentative and Alternative Communication for Individuals with Rett Syndrome: Experiences of Families in The Netherlands. Journal of Developmental and Physical Disabilities, 2016, 28, 101-112.	1.6	43
15	Diagnosing vestibular hypofunction: an update. Journal of Neurology, 2021, 268, 377-385.	3.6	43
16	Aggregating the symptoms of superior semicircular canal dehiscence syndrome. Laryngoscope, 2018, 128, 1932-1938.	2.0	42
17	Vibrotactile feedback improves balance and mobility in patients with severe bilateral vestibular loss. Journal of Neurology, 2019, 266, 19-26.	3.6	40
18	Bilateral vestibulopathy: beyond imbalance and oscillopsia. Journal of Neurology, 2020, 267, 241-255.	3.6	38

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19	The vestibular implant: A probe in orbit around the human balance system. Journal of Vestibular Research: Equilibrium and Orientation, 2017, 27, 51-61.	2.0	37
20	The Vestibular Implant Input Interacts with Residual Natural Function. Frontiers in Neurology, 2017, 8, 644.	2.4	37
21	Deep learning for the fully automated segmentation of the inner ear on MRI. Scientific Reports, 2021, 11, 2885.	3.3	35
22	The Vestibular Implant: Quo Vadis?. Frontiers in Neurology, 2011, 2, 47.	2.4	33
23	Laboratory examinations for the vestibular system. Current Opinion in Neurology, 2018, 31, 111-116.	3.6	31
24	The Video Head Impulse Test to Assess the Efficacy of Vestibular Implants in Humans. Frontiers in Neurology, 2017, 8, 600.	2.4	30
25	The Interrelations Between Different Causes of Dizziness: A Conceptual Framework for Understanding Vestibular Disorders. Annals of Otology, Rhinology and Laryngology, 2019, 128, 869-878.	1.1	30
26	Prospective cohort study on the predictors of fall risk in 119 patients with bilateral vestibulopathy. PLoS ONE, 2020, 15, e0228768.	2.5	30
27	The vestibular implant: Opinion statement on implantation criteria for research1. Journal of Vestibular Research: Equilibrium and Orientation, 2020, 30, 213-223.	2.0	26
28	The Vestibular Implant: Hearing Preservation during Intralabyrinthine Electrode Insertionâ€"A Case Report. Frontiers in Neurology, 2017, 8, 137.	2.4	25
29	The Functional Head Impulse Test to Assess Oscillopsia in Bilateral Vestibulopathy. Frontiers in Neurology, 2019, 10, 365.	2.4	25
30	The walking speed-dependency of gait variability in bilateral vestibulopathy and its association with clinical tests of vestibular function. Scientific Reports, 2019, 9, 18392.	3.3	25
31	Cervical myogenic potentials and controlled postural responses elicited by a prototype vestibular implant. Journal of Neurology, 2019, 266, 33-41.	3.6	23
32	Heterogeneity in Reported Outcome Measures after Surgery in Superior Canal Dehiscence Syndromeâ€"A Systematic Literature Review. Frontiers in Neurology, 2017, 8, 347.	2.4	22
33	Vestibular assistance systems: promises and challenges. Journal of Neurology, 2016, 263, 30-35.	3.6	21
34	Psychometric Properties of Cognitive-Motor Dual-Task Studies With the Aim of Developing a Test Protocol for Persons With Vestibular Disorders: A Systematic Review. Ear and Hearing, 2020, 41, 3-16.	2.1	21
35	The â€œhypeâ€•of hydrops in classifying vestibular disorders: a narrative review. Journal of Neurology, 2020, 267, 197-211.	3.6	21
36	Restoring the High-Frequency Dynamic Visual Acuity with a Vestibular Implant Prototype in Humans. Audiology and Neuro-Otology, 2020, 25, 91-95.	1.3	19

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37	Characterization of pulse amplitude and pulse rate modulation for a human vestibular implant during acute electrical stimulation. Journal of Neural Engineering, 2016, 13, 046023.	3.5	18
38	Optimization of 3D-Visualization of Micro-Anatomical Structures of the Human Inner Ear in Osmium Tetroxide Contrast Enhanced Micro-CT Scans. Frontiers in Neuroanatomy, 2018, 12, 41.	1.7	18
39	Comparison of three video head impulse test systems for the diagnosis of bilateral vestibulopathy. Journal of Neurology, 2020, 267, 256-264.	3.6	17
40	A New and Faster Test to Assess Vestibular Perception. Frontiers in Neurology, 2019, 10, 707.	2.4	16
41	DIZZYNET 2020: basic and clinical vestibular research united. Journal of Neurology, 2020, 267, 1-2.	3.6	16
42	First functional rehabilitation via vestibular implants. Cochlear Implants International, 2014, 15, S62-S64.	1.2	15
43	The Virtual Morris Water Task in 64 Patients With Bilateral Vestibulopathy and the Impact of Hearing Status. Frontiers in Neurology, 2020, 11, 710.	2.4	15
44	Vestibular implants: Hope for improving the quality of life of patients with bilateral vestibular loss. , 2015, 2015, 7192-5.		14
45	Characterization of Cochlear, Vestibular and Cochlear-Vestibular Electrically Evoked Compound Action Potentials in Patients with a Vestibulo-Cochlear Implant. Frontiers in Neuroscience, 2017, 11, 645.	2.8	14
46	A Systematic Review on Balance Performance in Patients With Bilateral Vestibulopathy. Physical Therapy, 2020, 100, 1582-1594.	2.4	14
47	Vestibular Implantation and the Feasibility of Fluoroscopy-Guided Electrode Insertion. Otolaryngologic Clinics of North America, 2020, 53, 115-126.	1.1	13
48	An Exploratory Study to Detect MÃ©niÃ¨reâ€™s Disease in Conventional MRI Scans Using Radiomics. Frontiers in Neurology, 2016, 7, 190.	2.4	12
49	Genotype-Phenotype Correlation Study in a Large Series of Patients Carrying the p.Pro51Ser (p.P51S) Variant in COCH (DFNA9) Part II: A Prospective Cross-Sectional Study of the Vestibular Phenotype in 111 Carriers. Ear and Hearing, 2021, 42, 1525-1543.	2.1	12
50	2BALANCE: a cognitive-motor dual-task protocol for individuals with vestibular dysfunction. BMJ Open, 2020, 10, e037138.	1.9	12
51	The Video Head Impulse Test and the Influence of Daily Use of Spectacles to Correct a Refractive Error. Frontiers in Neurology, 2018, 9, 125.	2.4	11
52	Bilateral vestibulopathy decreases self-motion perception. Journal of Neurology, 2022, 269, 5216-5228.	3.6	11
53	An exploratory investigation on spatiotemporal parameters, margins of stability, and their interaction in bilateral vestibulopathy. Scientific Reports, 2021, 11, 6427.	3.3	10
54	Medically unexplained otorhinolaryngological symptoms: Towards integrated psychiatric care. Laryngoscope, 2015, 125, 1583-1587.	2.0	9

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55	Challenges in evaluating the oculomotor function in individuals with Rett syndrome using electronystagmography. European Journal of Paediatric Neurology, 2019, 23, 262-269.	1.6	9
56	Bilateral vestibulopathy and age: experimental considerations for testing dynamic visual acuity on a treadmill. Journal of Neurology, 2020, 267, 265-272.	3.6	9
57	Introducing the DizzyQuest: an app-based diary for vestibular disorders. Journal of Neurology, 2020, 267, 3-14.	3.6	8
58	The Effect of Different Head Movement Paradigms on Vestibulo-Ocular Reflex Gain and Saccadic Eye Responses in the Suppression Head Impulse Test in Healthy Adult Volunteers. Frontiers in Neurology, 2021, 12, 729081.	2.4	8
59	DISCOHAT: An Acronym to Describe the Spectrum of Symptoms Related to Bilateral Vestibulopathy. Frontiers in Neurology, 2021, 12, 771650.	2.4	8
60	Patterns of Vestibular Impairment in Bilateral Vestibulopathy and Its Relation to Etiology. Frontiers in Neurology, 2022, 13, 856472.	2.4	8
61	Suppression Head Impulse Test (SHIMP) versus Head Impulse Test (HIMP) When Diagnosing Bilateral Vestibulopathy. Journal of Clinical Medicine, 2022, 11, 2444.	2.4	8
62	Oculomotor Function in Individuals With Rett Syndrome. Pediatric Neurology, 2018, 88, 48-58.	2.1	7
63	The resilience of the inner earâ€"vestibular and audiometric impact of transmastoid semicircular canal plugging. Journal of Neurology, 2021, , 1.	3.6	7
64	Falls Among People With Bilateral Vestibulopathy. JAMA Otolaryngology - Head and Neck Surgery, 2022, 148, 187.	2.2	7
65	History Taking in Non-Acute Vestibular Symptoms: A 4-Step Approach. Journal of Clinical Medicine, 2021, 10, 5726.	2.4	7
66	Influence of systematic variations of the stimulation profile on responses evoked with a vestibular implant prototype in humans. Journal of Neural Engineering, 2020, 17, 036027.	3.5	6
67	Bilateral vestibulopathy patientsâ€™ perspectives on vestibular implant treatment: a qualitative study. Journal of Neurology, 2022, 269, 5249-5257.	3.6	6
68	Electric Current Transmission Through Tissues of the Vestibular Labyrinth of a Patient: Perfection of the Vestibular Implant. Russian Physics Journal, 2018, 60, 2019-2024.	0.4	5
69	Drafting a Surgical Procedure Using a Computational Anatomy Driven Approach for Precise, Robust, and Safe Vestibular Neuroprosthesis Placementâ€"When One Size Does Not Fit All. Otology and Neurotology, 2019, 40, S51-S58.	1.3	5
70	Prospective Analysis of an Evidence-Based Symptom Set in Superior Canal Dehiscence Syndrome. Otology and Neurotology, 2021, 42, e186-e192.	1.3	5
71	Development and Content Validity of the Bilateral Vestibulopathy Questionnaire. Frontiers in Neurology, 2022, 13, 852048.	2.4	5
72	The DizzyQuest: relation between self-reported hearing loss, tinnitus and objective hearing thresholds in patients with Meniereâ€™s disease. Journal of Neurology, 2022, 269, 5239-5248.	3.6	5

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73	Simultaneous activation of multiple vestibular pathways upon electrical stimulation of semicircular canal afferents. Journal of Neurology, 2020, 267, 273-284.	3.6	4
74	Paving the Way Toward Distinguishing Fallers From Non-fallers in Bilateral Vestibulopathy: A Wide Pilot Observation. Frontiers in Neurology, 2021, 12, 611648.	2.4	4
75	Driving ability in patients with dizziness: a systematic review. European Archives of Oto-Rhino-Laryngology, 2022, 279, 1813-1829.	1.6	4
76	Curriculum for Vestibular Medicine (VestMed) proposed by the BÃ¡rÃ¡ny Society. Journal of Vestibular Research: Equilibrium and Orientation, 2022, 32, 89-98.	2.0	4
77	Electrophysical Properties and Determination of the Impedance of Vestibular Labyrinth Tissues. Russian Physics Journal, 2019, 61, 2019-2027.	0.4	3
78	The DizzyQuest: to have or not to haveâ€¦ a vertigo attack?. Journal of Neurology, 2020, 267, 15-23.	3.6	3
79	Attitudes of Potential Participants Towards Potential Gene Therapy Trials in Autosomal Dominant Progressive Sensorineural Hearing Loss. Otology and Neurotology, 2021, 42, 384-389.	1.3	3
80	Determination of the Electrophysical Parameters of a Beam-Type High-Voltage Pulsed Discharge Plasma for Biomedical Research in a Highly Efficient Computing Environment. Russian Physics Journal, 2015, 58, 740-743.	0.4	2
81	Fitting the determined impedance in the guinea pig inner ear to Randles circuit using square error minimization in the range of 100 Hz to 50 kHz. Biomedical Physics and Engineering Express, 2022, 8, 025005.	1.2	2
82	Sound localization in patients with bilateral vestibulopathy. European Archives of Oto-Rhino-Laryngology, 2022, , .	1.6	2
83	Optimized Signal Analysis to Quantify the Non-Linear Behaviour of the Electrically Evoked Vestibulo-Ocular Reflex in Patients with a Vestibular Implant. Audiology and Neuro-Otology, 2022, 27, 458-468.	1.3	2
84	Experimental Investigation of Electric Signal Transmission Through Vestibular Organ Tissues. Russian Physics Journal, 2019, 61, 2264-2267.	0.4	1
85	2BALANCE: Test-retest reliability of a cognitive-motor dual-task protocol. Journal of Vestibular Research: Equilibrium and Orientation, 2021, , 1-13.	2.0	1
86	Vestibular Implants in Humans: Steps Towards a Clinical Application. , 0, , .		0
87	Designing artificial senses: steps from physiology to clinical implementation. Swiss Medical Weekly, 2019, 149, w20061.	1.6	0
88	Reported thresholds of self-motion perception are influenced by testing paradigm. Journal of Neurology, 2022, , 1.	3.6	0