

Stefano Ramat

List of Publications by Year in descending order

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101
papers

1,854
citations

304368

22
h-index

315357

38
g-index

105
all docs

105
docs citations

105
times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Networks for Automatic Posture Recognition in Ambient-Assisted Living. <i>Sensors</i> , 2022, 22, 2609.	2.1	5
2	Membrane Resonance in Pyramidal and GABAergic Neurons of the Mouse Perirhinal Cortex. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 703407.	1.8	3
3	Restoring the High-Frequency Dynamic Visual Acuity with a Vestibular Implant Prototype in Humans. <i>Audiology and Neuro-Otology</i> , 2020, 25, 91-95.	0.6	19
4	Skeleton data pre-processing for human pose recognition using Neural Network. , 2020, 2020, 4265-4268.		7
5	Automatic Pose Recognition for Monitoring Dangerous Situations in Ambient-Assisted Living. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 415.	2.0	16
6	Editorial: Functional Testing of Vestibular Function. <i>Frontiers in Neurology</i> , 2020, 11, 654.	1.1	0
7	The integration of multisensory motion stimuli is impaired in vestibular migraine patients. <i>Journal of Neurology</i> , 2020, 267, 2842-2850.	1.8	18
8	Understanding the rotational vestibular ocular reflex: From differential equations to Laplace transforms. <i>Progress in Brain Research</i> , 2019, 248, 29-44.	0.9	17
9	Functional Head Impulse Test in Professional Athletes: Sport-Specific Normative Values and Implication for Sport-Related Concussion. <i>Frontiers in Neurology</i> , 2019, 10, 387.	1.1	11
10	Preface. <i>Progress in Brain Research</i> , 2019, 249, xxv.	0.9	0
11	Preface. <i>Progress in Brain Research</i> , 2019, 248, xxiii-xxv.	0.9	0
12	The functional head impulse test: Comparing gain and percentage of correct answers. <i>Progress in Brain Research</i> , 2019, 248, 241-248.	0.9	11
13	Value of passive whole-body rotation: a model-based approach. <i>Journal of Neurology</i> , 2019, 266, 123-125.	1.8	1
14	Non-linearity in gaze holding: Experimental results and possible mechanisms. <i>Progress in Brain Research</i> , 2019, 248, 167-181.	0.9	6
15	The Functional Head Impulse Test to Assess Oscillopsia in Bilateral Vestibulopathy. <i>Frontiers in Neurology</i> , 2019, 10, 365.	1.1	25
16	Vestibulo-Ocular Responses and Dynamic Visual Acuity During Horizontal Rotation and Translation. <i>Frontiers in Neurology</i> , 2019, 10, 321.	1.1	12
17	An Update on Mathematical Models of the Saccadic Mechanism. <i>Contemporary Clinical Neuroscience</i> , 2019, , 123-140.	0.3	0
18	Bilateral vestibular impairment in Vogt Koyanagi Harada syndrome: a case report. <i>Neurological Sciences</i> , 2018, 39, 1609-1611.	0.9	1

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19	The functional head impulse test: preliminary data. <i>Journal of Neurology</i> , 2018, 265, 35-39.	1.8	29
20	New insights into vestibular-saccade interaction based on covert corrective saccades in patients with unilateral vestibular deficits. <i>Journal of Neurophysiology</i> , 2017, 117, 2324-2338.	0.9	29
21	A role for NMDAR-dependent cerebellar plasticity in adaptive control of saccades in humans. <i>Brain Stimulation</i> , 2017, 10, 817-827.	0.7	10
22	After Effects of Cerebellar Continuous Theta Burst Stimulation on Reflexive Saccades and Smooth Pursuit in Humans. <i>Cerebellum</i> , 2017, 16, 764-771.	1.4	5
23	Gaze-evoked nystagmus induced by alcohol intoxication. <i>Journal of Physiology</i> , 2017, 595, 2161-2173.	1.3	23
24	Characteristic Eye Movements in Ataxia-Telangiectasia-Like Disorder: An Explanatory Hypothesis. <i>Frontiers in Neurology</i> , 2017, 8, 596.	1.1	14
25	A Wearable and Modular Inertial Unit for Measuring Limb Movements and Balance Control Abilities. <i>IEEE Sensors Journal</i> , 2016, 16, 790-797.	2.4	37
26	Extraction of traditional COP-based features from COM sway in postural stability evaluation. , 2015, 2015, 3715-8.		3
27	Multiple timescales in the adaptation of the rotational VOR. <i>Journal of Neurophysiology</i> , 2015, 113, 3130-3142.	0.9	17
28	Enhanced toxicity of silver nanoparticles in transgenic <i>Caenorhabditis elegans</i> expressing amyloidogenic proteins. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2015, 22, 221-228.	1.4	9
29	Reading while moving: The functional assessment of VOR. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2014, 24, 459-464.	0.8	19
30	Evaluation of Upper Limb Sense of Position in Healthy Individuals and Patients after Stroke. <i>Journal of Healthcare Engineering</i> , 2014, 5, 145-162.	1.1	22
31	A wearable system for measuring limb movements and balance control abilities based on a modular and low-cost inertial unit. , 2014, 2014, 3496-9.		3
32	Optimizing spatial filter pairs for EEG classification based on phase-synchronization. , 2014, , .		19
33	Effect of bluetooth headset and mobile phone electromagnetic fields on the human auditory nerve. <i>Laryngoscope</i> , 2014, 124, 255-259.	1.1	12
34	Affordable, automatic quantitative fall risk assessment based on clinical balance scales and Kinect data. , 2014, 2014, 3500-3.		11
35	Artifact avoidance for head impulse testing. <i>Clinical Neurophysiology</i> , 2014, 125, 1071-1073.	0.7	17
36	An Instrumented Insole for Long Term Monitoring Movement, Comfort, and Ergonomics. <i>IEEE Sensors Journal</i> , 2014, 14, 1564-1572.	2.4	23

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37	The Effect of Vestibulo-Ocular Reflex Deficits and Covert Saccades on Dynamic Vision in Opioid-Induced Vestibular Dysfunction. PLoS ONE, 2014, 9, e110322.	1.1	27
38	Dynamics of Learning in the Open Loop VOR. IFMBE Proceedings, 2014, , 1675-1678.	0.2	0
39	A General Purpose Approach to BCI Feature Computation Based on a Genetic Algorithm: Preliminary Results. IFMBE Proceedings, 2014, , 1714-1717.	0.2	1
40	A New Tool for Investigating the Functional Testing of the VOR. Frontiers in Neurology, 2013, 4, 165.	1.1	37
41	Feature computation for BCI applications: A general purpose approach using a genetic algorithm. Preliminary results. , 2013, , .		1
42	Is Vestibular Self-Motion Perception Controlled by the Velocity Storage? Insights from Patients with Chronic Degeneration of the Vestibulo-Cerebellum. PLoS ONE, 2012, 7, e36763.	1.1	48
43	A Device for the Functional Evaluation of the VOR in Clinical Settings. Frontiers in Neurology, 2012, 3, 39.	1.1	39
44	Introduction to Basic and Clinical Ocular Motor and Vestibular Research. Annals of the New York Academy of Sciences, 2011, 1233, ix-xi.	1.8	1
45	The effects of ion channel blockers validate the conductance-based model of saccadic oscillations. Annals of the New York Academy of Sciences, 2011, 1233, 58-63.	1.8	22
46	A new device to assess static ocular torsion. Annals of the New York Academy of Sciences, 2011, 1233, 226-230.	1.8	4
47	The role of the medial longitudinal fasciculus in horizontal gaze: tests of current hypotheses for saccade-vergence interactions. Experimental Brain Research, 2011, 208, 335-343.	0.7	14
48	Velocity storage in the human vertical rotational vestibulo-ocular reflex. Experimental Brain Research, 2011, 209, 51-63.	0.7	19
49	Theta-Burst Stimulation of the Cerebellum Interferes with Internal Representations of Sensory-Motor Information Related to Eye Movements in Humans. Cerebellum, 2011, 10, 711-719.	1.4	17
50	A computational framework for the standardization of motion analysis exploiting wearable inertial sensors. , 2011, 2011, 4963-6.		3
51	Intraoperative observation of changes in cochlear nerve action potentials during exposure to electromagnetic fields generated by mobile phones. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 766-771.	0.9	9
52	Velocity Storage Contribution to Vestibular Self-Motion Perception in Healthy Human Subjects. Journal of Neurophysiology, 2011, 105, 209-223.	0.9	75
53	Predicting losses of balance during upright stance: evaluation of a novel approach based on wearable accelerometers. , 2010, 2010, 4918-21.		1
54	A software program for the Head Impulse Testing Device (HITD). , 2010, 2010, 6615-8.		10

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55	Otolith testing. Handbook of Clinical Neurophysiology, 2010, , 217-229.	0.0	0
56	A computer program for the functional assessment of the rotational vestibulo-ocular reflex (VOR). IFMBE Proceedings, 2010, , 502-505.	0.2	0
57	Studying postural sway using wearable sensors: fall prediction. IFMBE Proceedings, 2010, , 620-623.	0.2	1
58	Transcranial magnetic stimulation over the cerebellum and eye movements: state of the art. Functional Neurology, 2010, 25, 165-71.	1.3	10
59	Fitting rVOR responses using current models. , 2009, 2009, 3259-62.		0
60	Estimating the Time Constants of the rVOR. Annals of the New York Academy of Sciences, 2009, 1164, 140-146.	1.8	14
61	Saccadic palsy after cardiac surgery: characteristics and pathogenesis. Annals of Neurology, 2008, 63, 355-365.	2.8	39
62	Hypothetical membrane mechanisms in essential tremor. Journal of Translational Medicine, 2008, 6, 68.	1.8	30
63	Estimating the time constant of pitch rVOR by separation of otoliths and semicircular canals contributions. , 2008, 2008, 1060-3.		4
64	Irregularity distinguishes limb tremor in cervical dystonia from essential tremor. Journal of Neurology, Neurosurgery and Psychiatry, 2008, 79, 187-189.	0.9	58
65	Do humans show velocity-storage in the vertical rVOR?. Progress in Brain Research, 2008, 171, 207-210.	0.9	14
66	Applying saccade models to account for oscillations. Progress in Brain Research, 2008, 171, 123-130.	0.9	31
67	A quick look at slow saccades after cardiac surgery: where is the lesion?. Progress in Brain Research, 2008, 171, 587-590.	0.9	8
68	Saccadic Burst Cell Membrane Dysfunction Is Responsible for Saccadic Oscillations. Journal of Neuro-Ophthalmology, 2008, 28, 329-336.	0.4	85
69	A new familial disease of saccadic oscillations and limb tremor provides clues to mechanisms of common tremor disorders. Brain, 2007, 130, 3020-3031.	3.7	61
70	Identification and Recognition of Objects in Color Stereo Images Using a Hierachial SOM. , 2007, , .		2
71	Pursuit Responses to Target Steps During Ongoing Tracking. Journal of Neurophysiology, 2007, 97, 1266-1279.	0.9	7
72	A model arm for testing motor control theories on corrective movements during reaching. , 2007, , 986-989.		0

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73	Oculomotor Responses to Active Head Movements in Darkness. Annals of the New York Academy of Sciences, 2006, 942, 482-485.	1.8	0
74	Latency Detection in Motor Responses: A Model-Based Approach With Genetic Algorithm Optimization. IEEE Transactions on Biomedical Engineering, 2006, 53, 2015-2023.	2.5	3
75	An internal model of self-motion based on inertial signals. , 2006, 2006, 4961-4.		1
76	What clinical disorders tell us about the neural control of saccadic eye movements. Brain, 2006, 130, 10-35.	3.7	197
77	Vertical skew due to changes in gravito-inertial force: A possible consequence of otolith asymmetry. Journal of Vestibular Research: Equilibrium and Orientation, 2006, 16, 117-125.	0.8	8
78	Vertical skew due to changes in gravito-inertial force: a possible consequence of otolith asymmetry. Journal of Vestibular Research: Equilibrium and Orientation, 2006, 16, 117-25.	0.8	6
79	Binocular Coordination in Fore/Aft Motion. Annals of the New York Academy of Sciences, 2005, 1039, 36-53.	1.8	9
80	Evaluating Large Saccades in Patients with Brain-Stem or Cerebellar Disorders. Annals of the New York Academy of Sciences, 2005, 1039, 404-416.	1.8	9
81	About the Effects of Velocity Saturation on Smooth Pursuit. Annals of the New York Academy of Sciences, 2005, 1039, 459-462.	1.8	3
82	Preface: A Tribute to David S. Zee. Annals of the New York Academy of Sciences, 2005, 1039, xiii-xiv.	1.8	0
83	Ocular oscillations generated by coupling of brainstem excitatory and inhibitory saccadic burst neurons. Experimental Brain Research, 2005, 160, 89-106.	0.7	98
84	Interaural Translational VOR: Suppression, Enhancement, and Cognitive Control. Journal of Neurophysiology, 2005, 94, 2391-2402.	0.9	31
85	Influence of Orientation of Exiting Wire of Search Coil Annulus on Torsion after Saccades. , 2004, 45, 131.		32
86	Design, Methods, and Evaluation Directions of a Multi-Access Service for the Management of Diabetes Mellitus Patients. Diabetes Technology and Therapeutics, 2003, 5, 621-629.	2.4	58
87	Ocular Motor Responses to Abrupt Interaural Head Translation in Normal Humans. Journal of Neurophysiology, 2003, 90, 887-902.	0.9	68
88	Eye-head coordination in darkness: formulation and testing of a mathematical model. Journal of Vestibular Research: Equilibrium and Orientation, 2003, 13, 79-91.	0.8	3
89	A parallel neural processor for real-time applications. IEEE Micro, 2002, 22, 20-31.	1.8	23
90	Context-specific adaptation of the gain of the oculomotor response to lateral translation using roll and pitch head tilts as contexts. Experimental Brain Research, 2002, 146, 388-393.	0.7	13

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91	The Cerebellar Contribution to Eye Movements Based upon Lesions. Annals of the New York Academy of Sciences, 2002, 956, 178-189.	1.8	23
92	Vergence-Mediated Modulation of the Human Horizontal Angular VOR Provides Evidence of Pathway-Specific Changes in VOR Dynamics. Annals of the New York Academy of Sciences, 2002, 956, 324-337.	1.8	29
93	Anticipatory Saccadic-Vergence Responses in Humans. Annals of the New York Academy of Sciences, 2002, 956, 495-498.	1.8	3
94	Translational VOR Responses to Abrupt Interaural Accelerations in Normal Humans. Annals of the New York Academy of Sciences, 2002, 956, 551-554.	1.8	9
95	Eye Movement Analysis During Visual Exploration of Graphical Interfaces. , 2002, , 135-143.		0
96	Ocular oscillations induced by shifts of the direction and depth of visual fixation. Annals of Neurology, 2001, 49, 24-28.	2.8	16
97	Translational Vestibulo-Ocular Reflex Evoked by a "Head Heave" Stimulus. Annals of the New York Academy of Sciences, 2001, 942, 95-113.	1.8	33
98	Technical aspects in the recording of scanpath eye movements (poster session). , 2000, , .		0
99	Tests of two hypotheses to account for different-sized saccades during disjunctive gaze shifts. Experimental Brain Research, 1999, 129, 0500-0510.	0.7	21
100	Neuropharmacologic aspects of the ocular motor system and the treatment of abnormal eye movements. Current Opinion in Neurology, 1999, 12, 21-27.	1.8	11
101	A parallel neurochip for neural networks implementing the reactive tabu search algorithm: application case studies. , 0, , .		1