

Marc Wittmann

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

7,709
citations

66234

42
h-index

58464

82
g-index

161
all docs

161
docs citations

161
times ranked

6869
citing authors

#	ARTICLE	IF	CITATIONS
1	Social Jetlag: Misalignment of Biological and Social Time. <i>Chronobiology International</i> , 2006, 23, 497-509.	0.9	1,835
2	Decision making, impulsivity and time perception. <i>Trends in Cognitive Sciences</i> , 2008, 12, 7-12.	4.0	458
3	The inner sense of time: how the brain creates a representation of duration. <i>Nature Reviews Neuroscience</i> , 2013, 14, 217-223.	4.9	272
4	The inner experience of time. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1955-1967.	1.8	241
5	Time and decision making: differential contribution of the posterior insular cortex and the striatum during a delay discounting task. <i>Experimental Brain Research</i> , 2007, 179, 643-653.	0.7	224
6	Effects of psilocybin on time perception and temporal control of behaviour in humans. <i>Journal of Psychopharmacology</i> , 2007, 21, 50-64.	2.0	172
7	Accumulation of neural activity in the posterior insula encodes the passage of time. <i>Neuropsychologia</i> , 2010, 48, 3110-3120.	0.7	158
8	Impaired time perception and motor timing in stimulant-dependent subjects. <i>Drug and Alcohol Dependence</i> , 2007, 90, 183-192.	1.6	140
9	Age Effects in Perception of Time. <i>Psychological Reports</i> , 2005, 97, 921-935.	0.9	137
10	Effects of display position of a visual in-vehicle task on simulated driving. <i>Applied Ergonomics</i> , 2006, 37, 187-199.	1.7	131
11	Decreased Psychological Well-Being in Late "Chronotypes" Is Mediated by Smoking and Alcohol Consumption. <i>Substance Use and Misuse</i> , 2010, 45, 15-30.	0.7	124
12	Body signals, cardiac awareness, and the perception of time. <i>Biological Psychology</i> , 2011, 86, 289-297.	1.1	124
13	Time Perception and Temporal Processing Levels of the Brain. <i>Chronobiology International</i> , 1999, 16, 17-32.	0.9	122
14	Moments in Time. <i>Frontiers in Integrative Neuroscience</i> , 2011, 5, 66.	1.0	102
15	Cortical involvement in temporal reproduction: evidence for differential roles of the hemispheres. <i>Neuropsychologia</i> , 2002, 40, 357-366.	0.7	97
16	The experience of time: neural mechanisms and the interplay of emotion, cognition and embodiment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1809-1813.	1.8	95
17	Neural substrates of time perception and impulsivity. <i>Brain Research</i> , 2011, 1406, 43-58.	1.1	88
18	Modulations of the experience of self and time. <i>Consciousness and Cognition</i> , 2015, 38, 172-181.	0.8	87

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19	A Workplace Mindfulness Intervention May Be Associated With Improved Psychological Well-Being and Productivity. A Preliminary Field Study in a Company Setting. <i>Frontiers in Psychology</i> , 2018, 9, 195.	1.1	86
20	Evaluation of a Seven-Week Web-Based Happiness Training to Improve Psychological Well-Being, Reduce Stress, and Enhance Mindfulness and Flourishing: A Randomized Controlled Occupational Health Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-14.	0.5	84
21	Temporal reproduction: Further evidence for two processes. <i>Acta Psychologica</i> , 2007, 125, 51-65.	0.7	77
22	Time perception as a workload measure in simulated car driving. <i>Applied Ergonomics</i> , 2009, 40, 929-935.	1.7	71
23	Altered cingulate and insular cortex activation during risk-taking in methamphetamine dependence: losses lose impact. <i>Addiction</i> , 2014, 109, 237-247.	1.7	70
24	Auditory temporal-order judgement is impaired in patients with cortical lesions in posterior regions of the left hemisphere. <i>Neuroscience Letters</i> , 1999, 264, 168-171.	1.0	68
25	Now or later? Striatum and insula activation to immediate versus delayed rewards.. <i>Journal of Neuroscience, Psychology, and Economics</i> , 2010, 3, 15-26.	0.4	68
26	The neural substrates of subjective time dilation. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 2.	1.0	65
27	The relation between the experience of time and psychological distress in patients with hematological malignancies. <i>Palliative and Supportive Care</i> , 2006, 4, 357-363.	0.6	61
28	Temporal structure of consciousness and minimal self in schizophrenia. <i>Frontiers in Psychology</i> , 2014, 5, 1175.	1.1	61
29	Daily Rhythm of Temporal Resolution in the Auditory System. <i>Cortex</i> , 1999, 35, 89-100.	1.1	57
30	Effects of varied doses of psilocybin on time interval reproduction in human subjects. <i>Neuroscience Letters</i> , 2008, 435, 51-55.	1.0	57
31	Interoceptive Focus Shapes the Experience of Time. <i>PLoS ONE</i> , 2014, 9, e86934.	1.1	57
32	Striatum and insula dysfunction during reinforcement learning differentiates abstinent and relapsed methamphetamine-dependent individuals. <i>Addiction</i> , 2014, 109, 460-471.	1.7	57
33	Individualized relapse prediction: Personality measures and striatal and insular activity during reward-processing robustly predict relapse. <i>Drug and Alcohol Dependence</i> , 2015, 152, 93-101.	1.6	57
34	Individual Differences in Self-Rated Impulsivity Modulate the Estimation of Time in a Real Waiting Situation. <i>Timing and Time Perception</i> , 2018, 6, 71-89.	0.4	56
35	AGE EFFECTS IN PERCEPTION OF TIME. <i>Psychological Reports</i> , 2005, 97, 921.	0.9	56
36	Perception of Temporal Order: The Effects of Age, Sex, and Cognitive Factors. <i>Aging, Neuropsychology, and Cognition</i> , 2009, 16, 183-202.	0.7	55

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37	How long is now for mindfulness meditators?. <i>Personality and Individual Differences</i> , 2012, 52, 750-754.	1.6	54
38	Subjective expansion of extended time-spans in experienced meditators. <i>Frontiers in Psychology</i> , 2015, 5, 1586.	1.1	52
39	The readiness potential reflects intentional binding. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 421.	1.0	50
40	Individual differences in self-attributed mindfulness levels are related to the experience of time and cognitive self-control. <i>Personality and Individual Differences</i> , 2014, 64, 41-45.	1.6	49
41	“Catching the waves” slow cortical potentials as moderator of voluntary action. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 68, 639-650.	2.9	49
42	Time Perspective and Emotion Regulation as Predictors of Age-Related Subjective Passage of Time. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 16027-16042.	1.2	47
43	Effects of brain-lesion size and location on temporal-order judgment. <i>NeuroReport</i> , 2004, 15, 2401-2405.	0.6	46
44	Attenuated Insular Processing During Risk Predicts Relapse in Early Abstinent Methamphetamine-Dependent Individuals. <i>Neuropsychopharmacology</i> , 2014, 39, 1379-1387.	2.8	46
45	Spontaneous EEG fluctuations determine the readiness potential: is preconscious brain activation a preparation process to move?. <i>Experimental Brain Research</i> , 2013, 231, 495-500.	0.7	45
46	Psychological and Neural Mechanisms of Subjective Time Dilation. <i>Frontiers in Neuroscience</i> , 2011, 5, 56.	1.4	42
47	Temporal mechanisms of the brain as fundamentals of communication with special reference to music perception and performance. <i>Musicae Scientiae</i> , 1999, 3, 13-28.	2.2	40
48	Reduced Behavioral and Neural Activation in Stimulant Users to Different Error Rates during Decision Making. <i>Biological Psychiatry</i> , 2008, 63, 1054-1060.	0.7	40
49	Temporal horizons in decision making.. <i>Journal of Neuroscience, Psychology, and Economics</i> , 2009, 2, 1-11.	0.4	40
50	Time perception and impulsivity: A proposed relationship in addictive disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 106, 182-201.	2.9	40
51	Do meditators have higher awareness of their intentions to act?. <i>Cortex</i> , 2015, 65, 149-158.	1.1	38
52	Temporal processing and context dependency of phoneme discrimination in patients with aphasia. <i>Brain and Language</i> , 2006, 98, 1-11.	0.8	37
53	Hemispheric specialisation for self-paced motor sequences. <i>Cognitive Brain Research</i> , 2001, 10, 341-344.	3.3	36
54	Hair analysis and self-report of methamphetamine use by methamphetamine dependent individuals. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 541-547.	1.2	36

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55	What happens while waiting? How self-regulation affects boredom and subjective time during a real waiting situation. <i>Acta Psychologica</i> , 2020, 205, 103061.	0.7	36
56	Effects of working permanent night shifts and two shifts on cognitive and psychomotor performance. <i>International Archives of Occupational and Environmental Health</i> , 2005, 78, 109-116.	1.1	35
57	Content-Free Awareness: EEG-fcMRI Correlates of Consciousness as Such in an Expert Meditator. <i>Frontiers in Psychology</i> , 2019, 10, 3064.	1.1	34
58	Mindful Leader Development: How Leaders Experience the Effects of Mindfulness Training on Leader Capabilities. <i>Frontiers in Psychology</i> , 2019, 10, 1081.	1.1	33
59	The effects of temporal unpredictability in anticipation of negative events in combat veterans with PTSD. <i>Journal of Affective Disorders</i> , 2013, 146, 426-432.	2.0	32
60	Time Speeds Up During Flow States: A Study in Virtual Reality with the Video Game Thumper. <i>Timing and Time Perception</i> , 2021, 9, 353-376.	0.4	32
61	Assessment of auditory temporal-order thresholds - a comparison of different measurement procedures and the influences of age and gender. <i>Restorative Neurology and Neuroscience</i> , 2005, 23, 281-96.	0.4	30
62	How impulsiveness, trait anger, and extracurricular activities might affect aggression in school children. <i>Personality and Individual Differences</i> , 2008, 45, 618-623.	1.6	29
63	Psychophysiology of duration estimation in experienced mindfulness meditators and matched controls. <i>Frontiers in Psychology</i> , 2015, 6, 1215.	1.1	29
64	First-person approaches in neuroscience of consciousness: Brain dynamics correlate with the intention to act. <i>Consciousness and Cognition</i> , 2014, 26, 105-116.	0.8	28
65	Time consciousness: the missing link in theories of consciousness. <i>Neuroscience of Consciousness</i> , 2021, 2021, niab011.	1.4	26
66	Dispositional Mindfulness and Subjective Time in Healthy Individuals. <i>Frontiers in Psychology</i> , 2016, 7, 786.	1.1	24
67	Temporal processing as a base for language universals: Cross-linguistic comparisons on sequencing abilities with some implications for language therapy. <i>Restorative Neurology and Neuroscience</i> , 2011, 29, 35-45.	0.4	23
68	Time perception, mindfulness and attentional capacities in transcendental meditators and matched controls. <i>Personality and Individual Differences</i> , 2016, 93, 16-21.	1.6	23
69	Changes in States of Consciousness during a Period of Silence after a Session of Depth Relaxation Music Therapy (DRMT). <i>Music and Medicine</i> , 2016, 8, 180.	0.2	23
70	The Varieties of Presence: Hierarchical Levels of Temporal Integration. <i>Timing and Time Perception</i> , 2014, 2, 325-338.	0.4	22
71	Cocaine dependent individuals with attenuated striatal activation during reinforcement learning are more susceptible to relapse. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 129-139.	0.9	22
72	Integration of balanced time perspective and time perception: The role of executive control and neuroticism. <i>Personality and Individual Differences</i> , 2020, 163, 110061.	1.6	22

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73	Sex Differences in Perception of Temporal Order. <i>Perceptual and Motor Skills</i> , 2003, 96, 105-112.	0.6	21
74	Disrupting times in the wake of the pandemic: Dispositional time attitudes, time perception and temporal focus. <i>Time and Society</i> , 2022, 31, 110-131.	0.8	21
75	Auditory language comprehension of temporally reversed speech signals in native and non-native speakers. <i>Acta Neurobiologiae Experimentalis</i> , 2008, 68, 204-13.	0.4	21
76	Peripheral-physiological and neural correlates of the flow experience while playing video games: a comprehensive review. <i>PeerJ</i> , 2020, 8, e10520.	0.9	20
77	Increased relaxation and present orientation after a period of silence in a natural surrounding. <i>Nordic Journal of Music Therapy</i> , 2020, 29, 75-92.	0.7	18
78	Altered states of consciousness are related to higher sexual responsiveness. <i>Consciousness and Cognition</i> , 2016, 42, 135-141.	0.8	17
79	Time and language—critical remarks on diagnosis and training methods of temporal-order judgment. <i>Acta Neurobiologiae Experimentalis</i> , 2004, 64, 341-8.	0.4	17
80	Timing in perceptual and motor tasks after disturbances of the brain. <i>Advances in Psychology</i> , 1996, 115, 281-304.	0.1	16
81	Temporal Processing in Bistable Perception of the Necker Cube. <i>Perception</i> , 2015, 44, 157-168.	0.5	16
82	Dispositional orientation to the present and future and its role in pro-environmental behavior and sustainability. <i>Heliyon</i> , 2018, 4, e00882.	1.4	16
83	The phenomenology and cognitive neuroscience of experienced temporality. <i>Phenomenology and the Cognitive Sciences</i> , 2020, 19, 747-771.	1.1	16
84	Duration discrimination in the context of age, sex, and cognition. <i>Journal of Cognitive Psychology</i> , 2012, 24, 893-900.	0.4	15
85	Doubling Down: Increased Risk-Taking Behavior Following a Loss by Individuals With Cocaine Use Disorder Is Associated With Striatal and Anterior Cingulate Dysfunction. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 94-103.	1.1	15
86	Time perception in yogic mindfulness meditation—Effects on retrospective duration judgments and time passage.. <i>Psychology of Consciousness: Theory Research, and Practice</i> , 2016, 3, 316-325.	0.3	14
87	What happens in the brain of meditators when perception changes but not the stimulus?. <i>PLoS ONE</i> , 2019, 14, e0223843.	1.1	14
88	Subjective Passage of Time during the Pandemic: Routine, Boredom, and Memory. <i>KronoScope</i> , 2020, 20, 260-271.	0.1	14
89	Effects of emotional valence and arousal on acoustic duration reproduction assessed via the œœdual klepsydra model. <i>Frontiers in Neurorobotics</i> , 2014, 8, 11.	1.6	13
90	The Now and the Passage of Time. <i>KronoScope</i> , 2015, 15, 191-213.	0.1	13

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91	The Sense of Time While Watching a Dance Performance. SAGE Open, 2017, 7, 215824401774557.	0.8	13
92	Waiting, Thinking, and Feeling: Variations in the Perception of Time During Silence. Frontiers in Psychology, 2020, 11, 602.	1.1	13
93	The subjective experience of time during the pandemic in Germany: The big slowdown. PLoS ONE, 2022, 17, e0267709.	1.1	13
94	A system for the assessment and training of temporal-order discrimination. Computer Methods and Programs in Biomedicine, 2001, 64, 125-131.	2.6	12
95	Enhanced relaxation in students after combined Depth Relaxation Music Therapy and silence in a natural setting. Arts in Psychotherapy, 2019, 63, 68-76.	0.6	11
96	Measurement of temporal-order judgment in children. Acta Neurobiologiae Experimentalis, 2004, 64, 387-94.	0.4	11
97	Functional neuroimaging of duration discrimination on two different time scales. Neuroscience Letters, 2010, 469, 411-415.	1.0	10
98	Time reproduction deficits in essential tremor patients. Movement Disorders, 2016, 31, 1234-1240.	2.2	10
99	Exploring the maximum duration of the contingent negative variation. International Journal of Psychophysiology, 2018, 128, 52-61.	0.5	10
100	Neural Representation of Temporal Duration: Coherent Findings Obtained with the "Lossy Integration" Model. Frontiers in Integrative Neuroscience, 2011, 5, 37.	1.0	9
101	What happens while waiting in virtual reality? A comparison between a virtual and a real waiting situation concerning boredom, self-regulation, and the experience of time.. Technology Mind and Behavior, 2021, 2, .	1.1	9
102	Temporal constraints of perceiving, generating, and integrating information: Clinical indications. Restorative Neurology and Neuroscience, 1999, 14, 167-182.	0.4	9
103	Intertemporal choice: Neuronal and psychological determinants of economic decisions.. Journal of Neuroscience, Psychology, and Economics, 2009, 2, 71-74.	0.4	8
104	Physical exercise speeds up motor timing. Frontiers in Psychology, 2013, 4, 612.	1.1	8
105	How the Experience of Time Shapes Decision-Making. Studies in Neuroscience, Psychology and Behavioral Economics, 2016, , 133-144.	0.1	8
106	Experiencing Waiting Time in Virtual Reality. , 2019, , .		8
107	"Just Think" Students Feel Significantly More Relaxed, Less Aroused, and in a Better Mood after a Period of Silence Alone in a Room. Psych, 2019, 1, 343-352.	0.7	8
108	The Duration of Presence. , 2016, , 101-113.		8

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109	Mindfulness Meditation and Fantasy Relaxation in a Group Setting Leads to a Diminished Sense of Self and an Increased Present Orientation. Behavioral Sciences (Basel, Switzerland), 2019, 9, 87.	1.0	7
110	Accumulation of Neural Activity in the Posterior Insula Encodes the Passage of Time. Nature Precedings, 2008, , .	0.1	6
111	Meditation-Induced States, Vagal Tone, and Breathing Activity Are Related to Changes in Auditory Temporal Integration. Behavioral Sciences (Basel, Switzerland), 2019, 9, 51.	1.0	5
112	A German Validation of Four Questionnaires Crucial to the Study of Time Perception: BPS, CFC-14, SAQ, and MQT. International Journal of Environmental Research and Public Health, 2020, 17, 8477.	1.2	5
113	Red visual stimulation in the <i>Ganzfeld</i> leads to a relative overestimation of duration compared to green. PsyCh Journal, 2021, 10, 5-19.	0.5	5
114	The Phenomenology of "Pure" Consciousness as Reported by an Experienced Meditator of the Tibetan Buddhist Karma Kagyu Tradition. Analysis of Interview Content Concerning Different Meditative States. Philosophies, 2021, 6, 50.	0.4	5
115	Preventing music performance anxiety (MPA): Music students judge combined Depth Relaxation Music Therapy (DRMT) and silence to be an effective methodology. Music and Medicine, 2020, 12, 148.	0.2	5
116	Effects of Age and Memory Grouping on Simulated Car Driving. Proceedings of the Human Factors and Ergonomics Society, 2002, 46, 1853-1857.	0.2	4
117	Duration Reproduction: Lossy Integration and Effects of Sensory Modalities, Cognitive Functioning, Age, and Sex. Perceptual and Motor Skills, 2012, 115, 370-384.	0.6	4
118	A disembodied man: A case of somatopsychic depersonalization in schizotypal disorder. PsyCh Journal, 2015, 4, 186-198.	0.5	4
119	Rolandic beta-band activity correlates with decision time to move. Neuroscience Letters, 2016, 616, 119-124.	1.0	4
120	Meditation Experience and Mindfulness Are Associated with Reduced Self-Reported Mind-Wandering in Meditators" A German Version of the Daydreaming Frequency Scale. Psych, 2019, 1, 193-206.	0.7	4
121	Brain-Heart Interaction and the Experience of Flow While Playing a Video Game. Frontiers in Human Neuroscience, 2022, 16, 819834.	1.0	4
122	Neurobiologie des Lesens. , 0, , .		3
123	Perception of acoustically presented time series with varied intervals. Acta Psychologica, 2014, 147, 105-110.	0.7	3
124	Women's finger pressure sensitivity at rest and recalled body awareness during partnered sexual activity. International Journal of Impotence Research, 2017, 29, 157-159.	1.0	3
125	Remote meditation support " a multimodal distant intention experiment. Explore: the Journal of Science and Healing, 2019, 15, 334-339.	0.4	3
126	Altered states of consciousness: With special reference to time and the self. PsyCh Journal, 2019, 8, 5-7.	0.5	3

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127	The power of Dionysusâ€”Effects of red wine on consciousness in a naturalistic setting. PLoS ONE, 2021, 16, e0256198.	1.1	3
128	Differences in Time Perspectives Measured under the Dramatically Changing Socioeconomic Conditions during the Ukrainian Political Crises in 2014/2015. International Journal of Environmental Research and Public Health, 2022, 19, 7465.	1.2	3
129	Editorial: Sub- and Supra-Second Timing: Brain, Learning and Development. Frontiers in Psychology, 2016, 7, 747.	1.1	2
130	Sex Differences in Perception of Temporal Order. , 0, .		2
131	Toward embodied artificial cognition: TIME is on my side. Frontiers in Neurorobotics, 2014, 8, 25.	1.6	2
132	Mindfulness Meditation Influences Implicit but Not Explicit Coding of Temporal Simultaneity. Journal of Cognitive Enhancement: Towards the Integration of Theory and Practice, 0, , 1.	0.8	2
133	Modulations in the Experience of Duration. , 2019, , 145-162.		2
134	Mindfulness and the Experience of Time. Procedia, Social and Behavioral Sciences, 2014, 126, 129.	0.5	1
135	Variance of essential tremor patients' time reproduction deficits. Movement Disorders, 2016, 31, 1428-1429.	2.2	1
136	The German version of a retroactive priming task shows mixed effects.. Psychology of Consciousness: Theory Research, and Practice, 0, , .	0.3	1
137	The embodiment of time: How interoception shapes the perception of time. , 2018, , .		1
138	Zeitwahrnehmung. Sozialtheorie, 2020, , 359-364.	0.0	1
139	Neural substrates of duration reproduction and impulsivity. International Journal of Psychophysiology, 2010, 77, 323-323.	0.5	0
140	Brain Correlates of Intentional Binding: An EEG Study in Mindfulness Meditators. Procedia, Social and Behavioral Sciences, 2014, 126, 240.	0.5	0
141	Why Time Slows Down during an Accident. Frontiers for Young Minds, 2017, 5, .	0.8	0
142	Zeitwahrnehmung. , 2020, , 359-364.		0
143	Supplemental Material for What happens while waiting in virtual reality? A comparison between a virtual and a real waiting situation concerning boredom, self-regulation, and the experience of time.. Technology Mind and Behavior, 2021, 2, .	1.1	0