

Wim Jan Riedel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

6,099
citations

46
h-index

77
g-index

112
ext. papers

6,824
ext. citations

5.1
avg, IF

5.61
L-index

#	Paper	IF	Citations
103	Fatigue in Aviation: Safety Risks, Preventive Strategies and Pharmacological Interventions. <i>Frontiers in Physiology</i> , 2021 , 12, 712628	4.6	4
102	The Special Challenges of Developing CNS Drugs 2021 , 231-234		
101	Nicotine deprivation elevates neural representation of smoking-related cues in object-sensitive visual cortex: a proof of concept study. <i>Psychopharmacology</i> , 2017 , 234, 2375-2384	4.7	4
100	Why an M1 Antagonist Could Be a More Selective Model for Memory Impairment than Scopolamine. <i>Frontiers in Neurology</i> , 2016 , 7, 167	4.1	8
99	Declarative memory. <i>Handbook of Experimental Pharmacology</i> , 2015 , 228, 215-36	3.2	14
98	Biperiden selectively induces memory impairment in healthy volunteers: no interaction with citalopram. <i>Psychopharmacology</i> , 2015 , 232, 1887-97	4.7	20
97	On-the-road driving performance and driving-related skills in older untreated insomnia patients and chronic users of hypnotics. <i>Psychopharmacology</i> , 2014 , 231, 2851-65	4.7	17
96	Residual effects of zopiclone 7.5 mg on highway driving performance in insomnia patients and healthy controls: a placebo controlled crossover study. <i>Psychopharmacology</i> , 2014 , 231, 2785-98	4.7	21
95	Cognitive effects of methylphenidate in healthy volunteers: a review of single dose studies. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 961-77	5.8	93
94	Cognitive effects of methylphenidate and levodopa in healthy volunteers. <i>European Neuropsychopharmacology</i> , 2014 , 24, 200-6	1.2	13
93	Cognitive impairment in depression: a systematic review and meta-analysis. <i>Psychological Medicine</i> , 2014 , 44, 2029-40	6.9	911
92	Antihistamine induced blood oxygenation level dependent response changes related to visual processes during sensori-motor performance. <i>Human Brain Mapping</i> , 2014 , 35, 3095-106	5.9	1
91	Preventing cognitive decline in preclinical Alzheimer's disease. <i>Current Opinion in Pharmacology</i> , 2014 , 14, 18-22	5.1	14
90	Cholinergic modulation of auditory processing, sensory gating and novelty detection in human participants. <i>Psychopharmacology</i> , 2013 , 225, 903-21	4.7	20
89	Higher, faster, stronger: the effect of dynamic stimuli on response preparation and CNV amplitude. <i>Behavioural Brain Research</i> , 2013 , 237, 308-12	3.4	8
88	Electrophysiological correlates of automatic spreading of activation in patients with psychotic disorder and first-degree relatives. <i>International Journal of Psychophysiology</i> , 2012 , 84, 102-12	2.9	7
87	Methylphenidate effects on prefrontal functioning during attentional-capture and response inhibition. <i>Biological Psychiatry</i> , 2012 , 72, 142-9	7.9	47

86	Methylphenidate produces selective enhancement of declarative memory consolidation in healthy volunteers. <i>Psychopharmacology</i> , 2012 , 221, 611-9	4.7	63
85	Human electrophysiological correlates of learned irrelevance: effects of the muscarinic M1 antagonist biperiden. <i>International Journal of Neuropsychopharmacology</i> , 2012 , 15, 1375-85	5.8	5
84	Auditory P300 and N100 components as intermediate phenotypes for psychotic disorder: familial liability and reliability. <i>Clinical Neurophysiology</i> , 2011 , 122, 1984-90	4.3	18
83	40-Hz steady state response in Alzheimer's disease and mild cognitive impairment. <i>Neurobiology of Aging</i> , 2011 , 32, 24-30	5.6	49
82	Drug targets for cognitive enhancement in neuropsychiatric disorders. <i>Pharmacology Biochemistry and Behavior</i> , 2011 , 99, 130-45	3.9	107
81	Contingent negative variation as a dopaminergic biomarker: evidence from dose-related effects of methylphenidate. <i>Psychopharmacology</i> , 2011 , 218, 533-42	4.7	49
80	Effects of tyrosine/phenylalanine depletion on electrophysiological correlates of memory in healthy volunteers. <i>Journal of Psychopharmacology</i> , 2011 , 25, 230-8	4.6	10
79	Histamine H1 receptor antagonist cetirizine impairs working memory processing speed, but not episodic memory. <i>British Journal of Pharmacology</i> , 2010 , 161, 456-66	8.6	11
78	Serotonin transporter polymorphisms (SLC6A4 insertion/deletion and rs25531) do not affect the availability of 5-HTT to [11C] DASB binding in the living human brain. <i>NeuroImage</i> , 2010 , 52, 50-4	7.9	80
77	Association between serotonin transporter binding, physiological and environmental factors in healthy male subjects. <i>NeuroImage</i> , 2010 , 52, S93-S94	7.9	
76	Method development studies for repeatedly measuring anxiolytic drug effects in healthy humans. <i>Journal of Psychopharmacology</i> , 2010 , 24, 657-66	4.6	18
75	Memory in humans is unaffected by central H1-antagonism, while objectively and subjectively measured sedation is increased. <i>European Neuropsychopharmacology</i> , 2010 , 20, 226-35	1.2	6
74	The effects of acute tryptophan depletion on brain activation during cognition and emotional processing in healthy volunteers. <i>Current Pharmaceutical Design</i> , 2010 , 16, 1998-2011	3.3	19
73	Cognitive domains affected by histamine H(1)-antagonism in humans: a literature review. <i>Brain Research Reviews</i> , 2010 , 64, 263-82		25
72	Ketamine and schizophrenic speech: more difference than originally reported. <i>Journal of Psychopharmacology</i> , 2009 , 23, 111-2	4.6	4
71	Effects of acute tryptophan depletion on memory, attention and executive functions: a systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 926-52	9	117
70	Histamine H1 receptor blockade predominantly impairs sensory processes in human sensorimotor performance. <i>British Journal of Pharmacology</i> , 2009 , 157, 76-85	8.6	11
69	Effects of L-histidine depletion and L-tyrosine/L-phenylalanine depletion on sensory and motor processes in healthy volunteers. <i>British Journal of Pharmacology</i> , 2009 , 157, 92-103	8.6	14

68	Response speed, contingent negative variation and P300 in Alzheimer's disease and MCI. <i>Brain and Cognition</i> , 2009 , 69, 592-9	2.7	59
67	Memory impairments in humans after acute tryptophan depletion using a novel gelatin-based protein drink. <i>Journal of Psychopharmacology</i> , 2009 , 23, 56-64	4.6	27
66	Histamine H1-receptor blockade in humans affects psychomotor performance but not memory. <i>Journal of Psychopharmacology</i> , 2008 , 22, 663-72	4.6	21
65	Increased EEG gamma band activity in Alzheimer's disease and mild cognitive impairment. <i>Journal of Neural Transmission</i> , 2008 , 115, 1301-11	4.3	98
64	Sex differences in the effect of acute tryptophan depletion on declarative episodic memory: a pooled analysis of nine studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2007 , 31, 516-29	9	61
63	Serotonergic vulnerability and depression: assumptions, experimental evidence and implications. <i>Molecular Psychiatry</i> , 2007 , 12, 522-43	15.1	271
62	Cholinergic drugs affect novel object recognition in rats: relation with hippocampal EEG?. <i>European Journal of Pharmacology</i> , 2007 , 572, 151-9	5.3	43
61	Does ketamine mimic aspects of schizophrenic speech?. <i>Journal of Psychopharmacology</i> , 2007 , 21, 338-46	4.6	23
60	Negative-ion chemical ionization gas chromatography-mass spectrometry assay for enantioselective measurement of amphetamines in oral fluid: application to a controlled study with MDMA and driving under the influence cases. <i>Clinical Chemistry</i> , 2007 , 53, 702-10	5.5	29
59	Human cognition assessment in drug research. <i>Current Pharmaceutical Design</i> , 2006 , 12, 2525-39	3.3	18
58	Serotonin and human cognitive performance. <i>Current Pharmaceutical Design</i> , 2006 , 12, 2473-86	3.3	187
57	Dopaminergic enhancement of cognitive function. <i>Current Pharmaceutical Design</i> , 2006 , 12, 2487-500	3.3	68
56	Effects of 5-HT on memory and the hippocampus: model and data. <i>Neuropsychopharmacology</i> , 2006 , 31, 712-20	8.7	52
55	Acute tryptophan depletion in depressed patients treated with a selective serotonin-noradrenalin reuptake inhibitor: augmentation of antidepressant response?. <i>Journal of Affective Disorders</i> , 2005 , 86, 305-11	6.6	20
54	The effects of high-dose and low-dose tryptophan depletion on mood and cognitive functions of remitted depressed patients. <i>Journal of Psychopharmacology</i> , 2005 , 19, 267-75	4.6	84
53	Memory function in women with premenstrual complaints and the effect of serotonergic stimulation by acute administration of an alpha-lactalbumin protein. <i>Journal of Psychopharmacology</i> , 2005 , 19, 375-84	4.6	32
52	Drug testing in blood: validated negative-ion chemical ionization gas chromatographic-mass spectrometric assay for enantioselective measurement of the designer drugs MDEA, MDMA, and MDA and its application to samples from a controlled study with MDMA. <i>Clinical Chemistry</i> , 2005 , 51, 1811-22	5.5	47
51	Specific serotonergic reuptake inhibition impairs vigilance performance acutely and after subchronic treatment. <i>Journal of Psychopharmacology</i> , 2005 , 19, 12-20	4.6	58

50	Lower high-density lipoprotein cholesterol and increased omega-6 polyunsaturated fatty acids in first-degree relatives of bipolar patients. <i>Psychological Medicine</i> , 2004 , 34, 103-12	6.9	51
49	Acute tryptophan depletion affects brain-gut responses in irritable bowel syndrome patients and controls. <i>Gut</i> , 2004 , 53, 1794-800	19.2	72
48	Acute tryptophan depletion slows gastric emptying in females. <i>British Journal of Nutrition</i> , 2004 , 91, 351-356	15	
47	Dissociable effects of a single dose of ecstasy (MDMA) on psychomotor skills and attentional performance. <i>Journal of Psychopharmacology</i> , 2003 , 17, 379-87	4.6	70
46	Reply: Pronounced Cognitive Deficits Following an Intravenous L-Tryptophan Challenge in First-degree Relatives of Bipolar Patients Compared to Healthy Controls. <i>Neuropsychopharmacology</i> , 2003 , 28, 2214-2216	8.7	
45	Pronounced cognitive deficits following an intravenous L-tryptophan challenge in first-degree relatives of bipolar patients compared to healthy controls. <i>Neuropsychopharmacology</i> , 2003 , 28, 711-9	8.7	54
44	Reply: Dissociable Hormonal, Cognitive, and Mood Responses to Neuroendocrine Challenge: Evidence for Receptor-Specific Serotonergic Dysregulation in Depressed Mood. <i>Neuropsychopharmacology</i> , 2003 , 28, 1012-1013	8.7	
43	Nutritional manipulation and psychiatric conditions: focus on mood and cognition. <i>Acta Neuropsychiatrica</i> , 2003 , 15, 4-7	3.9	2
42	Monoamine depletion in psychiatric and healthy populations: review. <i>Molecular Psychiatry</i> , 2003 , 8, 951-73.1	184	
41	Tryptophan modulation and cognition. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 527, 207-133.6	32	
40	Memory functions and focussed attention in middle-aged and elderly subjects are unaffected by a low, acute dose of caffeine. <i>Journal of Nutrition, Health and Aging</i> , 2003 , 7, 301-3	5.2	12
39	Mood, prolactin and cortisol responses following intravenous L-tryptophan challenge: evidence for serotonergic vulnerability in first-degree relatives of bipolar patients. <i>International Journal of Neuropsychopharmacology</i> , 2002 , 5, 249-54	5.8	5
38	Nutrients, age and cognition. <i>Clinical Nutrition</i> , 2002 , 21, 89-95	5.9	11
37	Atypical cognitive profile in patients with depression after myocardial infarction. <i>Journal of Affective Disorders</i> , 2002 , 70, 181-90	6.6	14
36	Dissociable hormonal, cognitive and mood responses to neuroendocrine challenge: evidence for receptor-specific serotonergic dysregulation in depressed mood. <i>Neuropsychopharmacology</i> , 2002 , 26, 358-67	8.7	51
35	Effects of acute tryptophan depletion on mood and cortisol release in first-degree relatives of type I and type II bipolar patients and healthy matched controls. <i>Neuropsychopharmacology</i> , 2002 , 27, 834-42	8.7	47
34	Modulation of the critical flicker fusion effects of serotonin reuptake inhibitors by concomitant pupillary changes. <i>Psychopharmacology</i> , 2002 , 160, 381-6	4.7	41
33	Serotonergic dysregulation in bipolar disorders: a literature review of serotonergic challenge studies. <i>Bipolar Disorders</i> , 2002 , 4, 347-56	3.8	46

32	Stress, cortisol and memory as markers of serotonergic vulnerability. <i>Acta Neuropsychiatrica</i> , 2002 , 14, 186-91	3.9	7
31	Plasma, oral fluid and sweat wipe ecstasy concentrations in controlled and real life conditions. <i>Forensic Science International</i> , 2002 , 128, 90-7	2.6	70
30	Safety of soy-derived phosphatidylserine in elderly people. <i>Nutritional Neuroscience</i> , 2002 , 5, 337-43	3.6	32
29	Additional dopamine reuptake inhibition attenuates vigilance impairment induced by serotonin reuptake inhibition in man. <i>Journal of Psychopharmacology</i> , 2002 , 16, 207-14	4.6	56
28	Cognition following acute tryptophan depletion: difference between first-degree relatives of bipolar disorder patients and matched healthy control volunteers. <i>Psychological Medicine</i> , 2002 , 32, 503-13	6.9	101
27	Mood congruent memory bias induced by tryptophan depletion. <i>Psychological Medicine</i> , 2002 , 32, 167-76	6.9	58
26	Tryptophan, mood, and cognitive function. <i>Brain, Behavior, and Immunity</i> , 2002 , 16, 581-9	16.6	91
25	Neuroendocrine response to meta-chlorophenylpiperazine and ipsapirone in relation to anxiety and aggression. <i>Psychiatry Research</i> , 2002 , 113, 29-40	9.9	24
24	Differential residual effects of zaleplon and zopiclone on actual driving: a comparison with a low dose of alcohol. <i>Sleep</i> , 2002 , 25, 224-31	1.1	76
23	Acute dietary tryptophan depletion impairs maintenance of "affective set" and delayed visual recognition in healthy volunteers. <i>Psychopharmacology</i> , 2001 , 154, 319-26	4.7	75
22	Non-serotonergic pharmacological profiles and associated cognitive effects of serotonin reuptake inhibitors. <i>Journal of Psychopharmacology</i> , 2001 , 15, 173-9	4.6	93
21	The influence of soy-derived phosphatidylserine on cognition in age-associated memory impairment. <i>Nutritional Neuroscience</i> , 2001 , 4, 121-34	3.6	50
20	Acute tryptophan depletion in bipolar disorders; literature review and directives for further research. <i>Acta Neuropsychiatrica</i> , 2000 , 12, 69-72	3.9	10
19	Habitual caffeine consumption and its relation to memory, attention, planning capacity and psychomotor performance across multiple age groups. <i>Human Psychopharmacology</i> , 2000 , 15, 573-581	2.3	90
18	The nature of the effect of female gonadal hormone replacement therapy on cognitive function in post-menopausal women: a meta-analysis. <i>Neuroscience</i> , 2000 , 101, 485-512	3.9	354
17	Tryptophan depletion impairs memory consolidation but improves focussed attention in healthy young volunteers. <i>Journal of Psychopharmacology</i> , 2000 , 14, 21-9	4.6	183
16	Caffeine improves cognitive performance after strenuous physical exercise. <i>International Journal of Sports Medicine</i> , 1999 , 20, 354-61	3.6	38
15	Specificity of the tryptophan depletion method. <i>Psychopharmacology</i> , 1999 , 141, 279-86	4.7	59

14	Tryptophan depletion in normal volunteers produces selective impairment in memory consolidation. <i>Psychopharmacology</i> , 1999 , 141, 362-9	4.7	218
13	1998 Curt P. Richter Award. The effect of hormone replacement therapy on cognitive function in elderly women. <i>Psychoneuroendocrinology</i> , 1999 , 24, 43-68	5	69
12	The influence of trazodone treatment on cognitive functions in outpatients with major depressive disorder. <i>Human Psychopharmacology</i> , 1999 , 14, 499-508	2.3	11
11	Mood effects of 24-hour tryptophan depletion in healthy first-degree relatives of patients with affective disorders. <i>Biological Psychiatry</i> , 1999 , 46, 489-97	7.9	119
10	Lithium induced cognitive side-effects in bipolar disorder: a qualitative analysis and implications for daily practice. <i>International Clinical Psychopharmacology</i> , 1999 , 14, 167-171	2.2	21
9	Caffeine improves memory performance during distraction in middle-aged, but not in young or old subjects. <i>Human Psychopharmacology</i> , 1998 , 13, 277-284	2.3	19
8	The influence of piracetam on actual driving behaviour of elderly subjects. <i>Human Psychopharmacology</i> , 1998 , 13, S108-S114	2.3	3
7	Mechanisms of drug-induced driving impairment: a dimensional approach. <i>Human Psychopharmacology</i> , 1998 , 13, S49-S63	2.3	13
6	Nutrients, age and cognitive function. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 1998 , 1, 579-85	3.8	18
5	Cognition enhancers in age-related cognitive decline. <i>Drugs and Aging</i> , 1996 , 8, 245-74	4.7	53
4	Cognitive performance after strenuous physical exercise. <i>Perceptual and Motor Skills</i> , 1996 , 83, 479-88	2.2	166
3	Caffeine attenuates scopolamine-induced memory impairment in humans. <i>Psychopharmacology</i> , 1995 , 122, 158-68	4.7	105
2	Cognitive impairment in elderly people. Predisposing factors and implications for experimental drug studies. <i>Drugs and Aging</i> , 1995 , 7, 459-79	4.7	37
1	Avoiding and Managing Anticholinergic Effects of Antidepressants. <i>CNS Drugs</i> , 1995 , 3, 245-259	6.7	17