

# Wim Jan Riedel

## List of Publications by Citations

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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	Cognitive impairment in depression: a systematic review and meta-analysis. <i>Psychological Medicine</i> , <b>2014</b> , 44, 2029-40	6.9	911
102	The nature of the effect of female gonadal hormone replacement therapy on cognitive function in post-menopausal women: a meta-analysis. <i>Neuroscience</i> , <b>2000</b> , 101, 485-512	3.9	354
101	Serotonergic vulnerability and depression: assumptions, experimental evidence and implications. <i>Molecular Psychiatry</i> , <b>2007</b> , 12, 522-43	15.1	271
100	Tryptophan depletion in normal volunteers produces selective impairment in memory consolidation. <i>Psychopharmacology</i> , <b>1999</b> , 141, 362-9	4.7	218
99	Serotonin and human cognitive performance. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 2473-86	3.3	187
98	Monoamine depletion in psychiatric and healthy populations: review. <i>Molecular Psychiatry</i> , <b>2003</b> , 8, 951-73.1	7.1	184
97	Tryptophan depletion impairs memory consolidation but improves focussed attention in healthy young volunteers. <i>Journal of Psychopharmacology</i> , <b>2000</b> , 14, 21-9	4.6	183
96	Cognitive performance after strenuous physical exercise. <i>Perceptual and Motor Skills</i> , <b>1996</b> , 83, 479-88	2.2	166
95	Mood effects of 24-hour tryptophan depletion in healthy first-degree relatives of patients with affective disorders. <i>Biological Psychiatry</i> , <b>1999</b> , 46, 489-97	7.9	119
94	Effects of acute tryptophan depletion on memory, attention and executive functions: a systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2009</b> , 33, 926-52	9	117
93	Drug targets for cognitive enhancement in neuropsychiatric disorders. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 99, 130-45	3.9	107
92	Caffeine attenuates scopolamine-induced memory impairment in humans. <i>Psychopharmacology</i> , <b>1995</b> , 122, 158-68	4.7	105
91	Cognition following acute tryptophan depletion: difference between first-degree relatives of bipolar disorder patients and matched healthy control volunteers. <i>Psychological Medicine</i> , <b>2002</b> , 32, 503-15	6.9	101
90	Increased EEG gamma band activity in Alzheimer's disease and mild cognitive impairment. <i>Journal of Neural Transmission</i> , <b>2008</b> , 115, 1301-11	4.3	98
89	Cognitive effects of methylphenidate in healthy volunteers: a review of single dose studies. <i>International Journal of Neuropsychopharmacology</i> , <b>2014</b> , 17, 961-77	5.8	93
88	Non-serotonergic pharmacological profiles and associated cognitive effects of serotonin reuptake inhibitors. <i>Journal of Psychopharmacology</i> , <b>2001</b> , 15, 173-9	4.6	93
87	Tryptophan, mood, and cognitive function. <i>Brain, Behavior, and Immunity</i> , <b>2002</b> , 16, 581-9	16.6	91

86	Habitual caffeine consumption and its relation to memory, attention, planning capacity and psychomotor performance across multiple age groups. <i>Human Psychopharmacology</i> , <b>2000</b> , 15, 573-581	2.3	90
85	The effects of high-dose and low-dose tryptophan depletion on mood and cognitive functions of remitted depressed patients. <i>Journal of Psychopharmacology</i> , <b>2005</b> , 19, 267-75	4.6	84
84	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> , <b>2010</b> , 52, 50-4	7.9	80
83	Differential residual effects of zaleplon and zopiclone on actual driving: a comparison with a low dose of alcohol. <i>Sleep</i> , <b>2002</b> , 25, 224-31	1.1	76
82	Acute dietary tryptophan depletion impairs maintenance of "affective set" and delayed visual recognition in healthy volunteers. <i>Psychopharmacology</i> , <b>2001</b> , 154, 319-26	4.7	75
81	Acute tryptophan depletion affects brain-gut responses in irritable bowel syndrome patients and controls. <i>Gut</i> , <b>2004</b> , 53, 1794-800	19.2	72
80	Dissociable effects of a single dose of ecstasy (MDMA) on psychomotor skills and attentional performance. <i>Journal of Psychopharmacology</i> , <b>2003</b> , 17, 379-87	4.6	70
79	Plasma, oral fluid and sweat wipe ecstasy concentrations in controlled and real life conditions. <i>Forensic Science International</i> , <b>2002</b> , 128, 90-7	2.6	70
78	1998 Curt P. Richter Award. The effect of hormone replacement therapy on cognitive function in elderly women. <i>Psychoneuroendocrinology</i> , <b>1999</b> , 24, 43-68	5	69
77	Dopaminergic enhancement of cognitive function. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 2487-500	3.3	68
76	Methylphenidate produces selective enhancement of declarative memory consolidation in healthy volunteers. <i>Psychopharmacology</i> , <b>2012</b> , 221, 611-9	4.7	63
75	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> , <b>2007</b> , 31, 516-29	9	61
74	Response speed, contingent negative variation and P300 in Alzheimer's disease and MCI. <i>Brain and Cognition</i> , <b>2009</b> , 69, 592-9	2.7	59
73	Specificity of the tryptophan depletion method. <i>Psychopharmacology</i> , <b>1999</b> , 141, 279-86	4.7	59
72	Specific serotonergic reuptake inhibition impairs vigilance performance acutely and after subchronic treatment. <i>Journal of Psychopharmacology</i> , <b>2005</b> , 19, 12-20	4.6	58
71	Mood congruent memory bias induced by tryptophan depletion. <i>Psychological Medicine</i> , <b>2002</b> , 32, 167-75	5.9	58
70	Additional dopamine reuptake inhibition attenuates vigilance impairment induced by serotonin reuptake inhibition in man. <i>Journal of Psychopharmacology</i> , <b>2002</b> , 16, 207-14	4.6	56
69	Pronounced cognitive deficits following an intravenous L-tryptophan challenge in first-degree relatives of bipolar patients compared to healthy controls. <i>Neuropsychopharmacology</i> , <b>2003</b> , 28, 711-9	8.7	54

68	Cognition enhancers in age-related cognitive decline. <i>Drugs and Aging</i> , <b>1996</b> , 8, 245-74	4.7	53
67	Effects of 5-HT on memory and the hippocampus: model and data. <i>Neuropsychopharmacology</i> , <b>2006</b> , 31, 712-20	8.7	52
66	Lower high-density lipoprotein cholesterol and increased omega-6 polyunsaturated fatty acids in first-degree relatives of bipolar patients. <i>Psychological Medicine</i> , <b>2004</b> , 34, 103-12	6.9	51
65	Dissociable hormonal, cognitive and mood responses to neuroendocrine challenge: evidence for receptor-specific serotonergic dysregulation in depressed mood. <i>Neuropsychopharmacology</i> , <b>2002</b> , 26, 358-67	8.7	51
64	The influence of soy-derived phosphatidylserine on cognition in age-associated memory impairment. <i>Nutritional Neuroscience</i> , <b>2001</b> , 4, 121-34	3.6	50
63	40-Hz steady state response in Alzheimer's disease and mild cognitive impairment. <i>Neurobiology of Aging</i> , <b>2011</b> , 32, 24-30	5.6	49
62	Contingent negative variation as a dopaminergic biomarker: evidence from dose-related effects of methylphenidate. <i>Psychopharmacology</i> , <b>2011</b> , 218, 533-42	4.7	49
61	Methylphenidate effects on prefrontal functioning during attentional-capture and response inhibition. <i>Biological Psychiatry</i> , <b>2012</b> , 72, 142-9	7.9	47
60	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> , <b>2002</b> , 27, 834-42	8.7	47
59	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> , <b>2005</b> , 51, 1811-22	5.5	47
58	Serotonergic dysregulation in bipolar disorders: a literature review of serotonergic challenge studies. <i>Bipolar Disorders</i> , <b>2002</b> , 4, 347-56	3.8	46
57	Cholinergic drugs affect novel object recognition in rats: relation with hippocampal EEG?. <i>European Journal of Pharmacology</i> , <b>2007</b> , 572, 151-9	5.3	43
56	Modulation of the critical flicker fusion effects of serotonin reuptake inhibitors by concomitant pupillary changes. <i>Psychopharmacology</i> , <b>2002</b> , 160, 381-6	4.7	41
55	Caffeine improves cognitive performance after strenuous physical exercise. <i>International Journal of Sports Medicine</i> , <b>1999</b> , 20, 354-61	3.6	38
54	Cognitive impairment in elderly people. Predisposing factors and implications for experimental drug studies. <i>Drugs and Aging</i> , <b>1995</b> , 7, 459-79	4.7	37
53	Tryptophan modulation and cognition. <i>Advances in Experimental Medicine and Biology</i> , <b>2003</b> , 527, 207-13	3.6	32
52	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> , <b>2005</b> , 19, 375-84	4.6	32
51	Safety of soy-derived phosphatidylserine in elderly people. <i>Nutritional Neuroscience</i> , <b>2002</b> , 5, 337-43	3.6	32

50	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> , <b>2007</b> , 53, 702-10	5.5	29
49	Memory impairments in humans after acute tryptophan depletion using a novel gelatin-based protein drink. <i>Journal of Psychopharmacology</i> , <b>2009</b> , 23, 56-64	4.6	27
48	Cognitive domains affected by histamine H(1)-antagonism in humans: a literature review. <i>Brain Research Reviews</i> , <b>2010</b> , 64, 263-82		25
47	Neuroendocrine response to meta-chlorophenylpiperazine and ipsapirone in relation to anxiety and aggression. <i>Psychiatry Research</i> , <b>2002</b> , 113, 29-40	9.9	24
46	Does ketamine mimic aspects of schizophrenic speech?. <i>Journal of Psychopharmacology</i> , <b>2007</b> , 21, 338-46	4.6	23
45	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> , <b>2014</b> , 231, 2785-98	4.7	21
44	Histamine H1-receptor blockade in humans affects psychomotor performance but not memory. <i>Journal of Psychopharmacology</i> , <b>2008</b> , 22, 663-72	4.6	21
43	Lithium induced cognitive side-effects in bipolar disorder: a qualitative analysis and implications for daily practice. <i>International Clinical Psychopharmacology</i> , <b>1999</b> , 14, 167-171	2.2	21
42	Cholinergic modulation of auditory processing, sensory gating and novelty detection in human participants. <i>Psychopharmacology</i> , <b>2013</b> , 225, 903-21	4.7	20
41	Biperiden selectively induces memory impairment in healthy volunteers: no interaction with citalopram. <i>Psychopharmacology</i> , <b>2015</b> , 232, 1887-97	4.7	20
40	Acute tryptophan depletion in depressed patients treated with a selective serotonin-noradrenalin reuptake inhibitor: augmentation of antidepressant response?. <i>Journal of Affective Disorders</i> , <b>2005</b> , 86, 305-11	6.6	20
39	The effects of acute tryptophan depletion on brain activation during cognition and emotional processing in healthy volunteers. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 1998-2011	3.3	19
38	Caffeine improves memory performance during distraction in middle-aged, but not in young or old subjects. <i>Human Psychopharmacology</i> , <b>1998</b> , 13, 277-284	2.3	19
37	Auditory P300 and N100 components as intermediate phenotypes for psychotic disorder: familial liability and reliability. <i>Clinical Neurophysiology</i> , <b>2011</b> , 122, 1984-90	4.3	18
36	Method development studies for repeatedly measuring anxiolytic drug effects in healthy humans. <i>Journal of Psychopharmacology</i> , <b>2010</b> , 24, 657-66	4.6	18
35	Human cognition assessment in drug research. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 2525-39	3.3	18
34	Nutrients, age and cognitive function. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>1998</b> , 1, 579-85	3.8	18
33	On-the-road driving performance and driving-related skills in older untreated insomnia patients and chronic users of hypnotics. <i>Psychopharmacology</i> , <b>2014</b> , 231, 2851-65	4.7	17

32	Avoiding and Managing Anticholinergic Effects of Antidepressants. <i>CNS Drugs</i> , <b>1995</b> , 3, 245-259	6.7	17
31	Acute tryptophan depletion slows gastric emptying in females. <i>British Journal of Nutrition</i> , <b>2004</b> , 91, 351-356	5.6	15
30	Declarative memory. <i>Handbook of Experimental Pharmacology</i> , <b>2015</b> , 228, 215-36	3.2	14
29	Preventing cognitive decline in preclinical Alzheimer's disease. <i>Current Opinion in Pharmacology</i> , <b>2014</b> , 14, 18-22	5.1	14
28	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> , <b>2009</b> , 157, 92-103	8.6	14
27	Atypical cognitive profile in patients with depression after myocardial infarction. <i>Journal of Affective Disorders</i> , <b>2002</b> , 70, 181-90	6.6	14
26	Cognitive effects of methylphenidate and levodopa in healthy volunteers. <i>European Neuropsychopharmacology</i> , <b>2014</b> , 24, 200-6	1.2	13
25	Mechanisms of drug-induced driving impairment: a dimensional approach. <i>Human Psychopharmacology</i> , <b>1998</b> , 13, S49-S63	2.3	13
24	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> , <b>2003</b> , 7, 301-3	5.2	12
23	Histamine H1 receptor antagonist cetirizine impairs working memory processing speed, but not episodic memory. <i>British Journal of Pharmacology</i> , <b>2010</b> , 161, 456-66	8.6	11
22	Histamine H1 receptor blockade predominantly impairs sensory processes in human sensorimotor performance. <i>British Journal of Pharmacology</i> , <b>2009</b> , 157, 76-85	8.6	11
21	Nutrients, age and cognition. <i>Clinical Nutrition</i> , <b>2002</b> , 21, 89-95	5.9	11
20	The influence of trazodone treatment on cognitive functions in outpatients with major depressive disorder. <i>Human Psychopharmacology</i> , <b>1999</b> , 14, 499-508	2.3	11
19	Effects of tyrosine/phenylalanine depletion on electrophysiological correlates of memory in healthy volunteers. <i>Journal of Psychopharmacology</i> , <b>2011</b> , 25, 230-8	4.6	10
18	Acute tryptophan depletion in bipolar disorders; literature review and directives for further research. <i>Acta Neuropsychiatrica</i> , <b>2000</b> , 12, 69-72	3.9	10
17	Higher, faster, stronger: the effect of dynamic stimuli on response preparation and CNV amplitude. <i>Behavioural Brain Research</i> , <b>2013</b> , 237, 308-12	3.4	8
16	Why an M1 Antagonist Could Be a More Selective Model for Memory Impairment than Scopolamine. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 167	4.1	8
15	Electrophysiological correlates of automatic spreading of activation in patients with psychotic disorder and first-degree relatives. <i>International Journal of Psychophysiology</i> , <b>2012</b> , 84, 102-12	2.9	7

14	Stress, cortisol and memory as markers of serotonergic vulnerability. <i>Acta Neuropsychiatrica</i> , <b>2002</b> , 14, 186-91	3.9	7
13	Memory in humans is unaffected by central H1-antagonism, while objectively and subjectively measured sedation is increased. <i>European Neuropsychopharmacology</i> , <b>2010</b> , 20, 226-35	1.2	6
12	Human electrophysiological correlates of learned irrelevance: effects of the muscarinic M1 antagonist biperiden. <i>International Journal of Neuropsychopharmacology</i> , <b>2012</b> , 15, 1375-85	5.8	5
11	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> , <b>2002</b> , 5, 249-54	5.8	5
10	Nicotine deprivation elevates neural representation of smoking-related cues in object-sensitive visual cortex: a proof of concept study. <i>Psychopharmacology</i> , <b>2017</b> , 234, 2375-2384	4.7	4
9	Ketamine and schizophrenic speech: more difference than originally reported. <i>Journal of Psychopharmacology</i> , <b>2009</b> , 23, 111-2	4.6	4
8	Fatigue in Aviation: Safety Risks, Preventive Strategies and Pharmacological Interventions. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 712628	4.6	4
7	The influence of piracetam on actual driving behaviour of elderly subjects. <i>Human Psychopharmacology</i> , <b>1998</b> , 13, S108-S114	2.3	3
6	Nutritional manipulation and psychiatric conditions: focus on mood and cognition. <i>Acta Neuropsychiatrica</i> , <b>2003</b> , 15, 4-7	3.9	2
5	Antihistamine induced blood oxygenation level dependent response changes related to visual processes during sensori-motor performance. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 3095-106	5.9	1
4	Association between serotonin transporter binding, physiological and environmental factors in healthy male subjects. <i>NeuroImage</i> , <b>2010</b> , 52, S93-S94	7.9	
3	Reply: Pronounced Cognitive Deficits Following an Intravenous L-Tryptophan Challenge in First-degree Relatives of Bipolar Patients Compared to Healthy Controls. <i>Neuropsychopharmacology</i> , <b>2003</b> , 28, 2214-2216	8.7	
2	Reply: Dissociable Hormonal, Cognitive, and Mood Responses to Neuroendocrine Challenge: Evidence for Receptor-Specific Serotonergic Dysregulation in Depressed Mood. <i>Neuropsychopharmacology</i> , <b>2003</b> , 28, 1012-1013	8.7	
1	The Special Challenges of Developing CNS Drugs <b>2021</b> , 231-234		