

# Katrin H Preller

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

4,661  
citations

147801

31  
h-index

114465

63  
g-index

84  
all docs

84  
docs citations

84  
times ranked

3210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute Effects of Lysergic Acid Diethylamide in Healthy Subjects. <i>Biological Psychiatry</i> , 2015, 78, 544-553.	1.3	340
2	The Fabric of Meaning and Subjective Effects in LSD-Induced States Depend on Serotonin 2A Receptor Activation. <i>Current Biology</i> , 2017, 27, 451-457.	3.9	281
3	MDMA enhances emotional empathy and prosocial behavior. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1645-1652.	3.0	244
4	Changes in global and thalamic brain connectivity in LSD-induced altered states of consciousness are attributable to the 5-HT <sub>2A</sub> receptor. <i>ELife</i> , 2018, 7, .	6.0	244
5	Psychedelic drugs: neurobiology and potential for treatment of psychiatric disorders. <i>Nature Reviews Neuroscience</i> , 2020, 21, 611-624.	10.2	244
6	Psilocybin-Induced Decrease in Amygdala Reactivity Correlates with Enhanced Positive Mood in Healthy Volunteers. <i>Biological Psychiatry</i> , 2015, 78, 572-581.	1.3	206
7	Dynamic causal modelling revisited. <i>NeuroImage</i> , 2019, 199, 730-744.	4.2	196
8	Effective connectivity changes in LSD-induced altered states of consciousness in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2743-2748.	7.1	186
9	Cognitive dysfunctions in recreational and dependent cocaine users: role of attention-deficit hyperactivity disorder, craving and early age at onset. <i>British Journal of Psychiatry</i> , 2013, 203, 35-43.	2.8	150
10	Cognitive Impairment in Cocaine Users is Drug-Induced but Partially Reversible: Evidence from a Longitudinal Study. <i>Neuropsychopharmacology</i> , 2014, 39, 2200-2210.	5.4	139
11	Phenomenology, Structure, and Dynamic of Psychedelic States. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 36, 221-256.	1.7	134
12	Effect of Psilocybin on Empathy and Moral Decision-Making. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 747-757.	2.1	134
13	Effects of serotonin 2A/1A receptor stimulation on social exclusion processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5119-5124.	7.1	125
14	Impaired emotional empathy and related social network deficits in cocaine users. <i>Addiction Biology</i> , 2014, 19, 452-466.	2.6	117
15	Dreamlike effects of LSD on waking imagery in humans depend on serotonin 2A receptor activation. <i>Psychopharmacology</i> , 2017, 234, 2031-2046.	3.1	117
16	Psilocybin Induces Time-Dependent Changes in Global Functional Connectivity. <i>Biological Psychiatry</i> , 2020, 88, 197-207.	1.3	104
17	Hallucinogens in Mental Health: Preclinical and Clinical Studies on LSD, Psilocybin, MDMA, and Ketamine. <i>Journal of Neuroscience</i> , 2021, 41, 891-900.	3.6	99
18	Modulatory effect of the 5-HT <sub>1A</sub> agonist buspirone and the mixed non-hallucinogenic 5-HT <sub>1A</sub> /2A agonist ergotamine on psilocybin-induced psychedelic experience. <i>European Neuropsychopharmacology</i> , 2016, 26, 756-766.	0.7	97

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19	Functional changes of the reward system underlie blunted response to social gaze in cocaine users. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2842-2847.	7.1	89
20	The mixed serotonin receptor agonist psilocybin reduces threat-induced modulation of amygdala connectivity. <i>NeuroImage: Clinical</i> , 2016, 11, 53-60.	2.7	75
21	LSD Increases Primary Process Thinking via Serotonin 2A Receptor Activation. <i>Frontiers in Pharmacology</i> , 2017, 8, 814.	3.5	70
22	Differences in self-reported and behavioral measures of impulsivity in recreational and dependent cocaine users. <i>Drug and Alcohol Dependence</i> , 2013, 133, 61-70.	3.2	64
23	Two dose investigation of the 5-HT-agonist psilocybin on relative and global cerebral blood flow. <i>NeuroImage</i> , 2017, 159, 70-78.	4.2	61
24	Role of the 5-HT <sub>2A</sub> Receptor in Self- and Other-Initiated Social Interaction in Lysergic Acid Diethylamide-Induced States: A Pharmacological fMRI Study. <i>Journal of Neuroscience</i> , 2018, 38, 3603-3611.	3.6	56
25	Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. <i>Schizophrenia Bulletin</i> , 2020, 46, 1396-1408.	4.3	55
26	LSD acutely impairs working memory, executive functions, and cognitive flexibility, but not risk-based decision-making. <i>Psychological Medicine</i> , 2020, 50, 2255-2264.	4.5	53
27	â€˜Verstehenâ€™ (â€˜understandâ€™) primes â€˜stehenâ€™ (â€˜standâ€™): Morphological structure overrides semantic compositionality in the lexical representation of German complex verbs. <i>Journal of Memory and Language</i> , 2014, 72, 16-36.	2.1	50
28	Longitudinal changes in cocaine intake and cognition are linked to cortical thickness adaptations in cocaine users. <i>NeuroImage: Clinical</i> , 2019, 21, 101652.	2.7	45
29	Psychedelic resting-state neuroimaging: A review and perspective on balancing replication and novel analyses. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 138, 104689.	6.1	45
30	Increased Sensorimotor Gating in Recreational and Dependent Cocaine Users Is Modulated by Craving and Attention-Deficit/Hyperactivity Disorder Symptoms. <i>Biological Psychiatry</i> , 2013, 73, 225-234.	1.3	41
31	Psychedelics and music: neuroscience and therapeutic implications. <i>International Review of Psychiatry</i> , 2018, 30, 350-362.	2.8	41
32	Cocaine Users Manifest Impaired Prosodic and Cross-Modal Emotion Processing. <i>Frontiers in Psychiatry</i> , 2013, 4, 98.	2.6	40
33	Shared neural basis of social and non-social reward deficits in chronic cocaine users. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1017-1025.	3.0	39
34	Neuropharmacological modulation of the aberrant bodily self through psychedelics. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 526-541.	6.1	37
35	Serotonin 2A Receptor Signaling Underlies LSD-induced Alteration of the Neural Response to Dynamic Changes in Music. <i>Cerebral Cortex</i> , 2018, 28, 3939-3950.	2.9	34
36	Classical Psychedelics as Therapeutics in Psychiatry â€“ Current Clinical Evidence and Potential Therapeutic Mechanisms in Substance Use and Mood Disorders. <i>Pharmacopsychiatry</i> , 2021, 54, 176-190.	3.3	34

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37	Preliminary Report on the Effects of a Low Dose of LSD on Resting-State Amygdala Functional Connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 461-467.	1.5	33
38	Effects of methylphenidate and MDMA on appraisal of erotic stimuli and intimate relationships. <i>European Neuropsychopharmacology</i> , 2015, 25, 17-25.	0.7	31
39	Cognitive and emotional impairments in adults with attention-deficit/hyperactivity disorder and cocaine use. <i>Drug and Alcohol Dependence</i> , 2016, 163, 92-99.	3.2	29
40	Modulation of Social Cognition via Hallucinogens and "Entactogens". <i>Frontiers in Psychiatry</i> , 2019, 10, 881.	2.6	29
41	Glutamatergic and neurometabolic alterations in chronic cocaine users measured with <sup>1</sup> H-magnetic resonance spectroscopy. <i>Addiction Biology</i> , 2016, 21, 205-217.	2.6	28
42	Cognitive and neuroanatomical impairments associated with chronic exposure to levamisole-contaminated cocaine. <i>Translational Psychiatry</i> , 2018, 8, 235.	4.8	28
43	Negative affect moderates the effect of social rejection on frontal and anterior cingulate cortex activation in borderline personality disorder. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019, 19, 1273-1285.	2.0	24
44	Sustained incentive value of heroin-related cues in short- and long-term abstinent heroin users. <i>European Neuropsychopharmacology</i> , 2013, 23, 1270-1279.	0.7	23
45	Glucocorticoid receptor gene variants and lower expression of <i>NR3C1</i> are associated with cocaine use. <i>Addiction Biology</i> , 2019, 24, 730-742.	2.6	23
46	P300 mediated modulations in self-other processing under psychedelic psilocybin are related to connectedness and changed meaning: A window into the self-other overlap. <i>Human Brain Mapping</i> , 2020, 41, 4982-4996.	3.6	22
47	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. <i>ELife</i> , 2021, 10, .	6.0	22
48	Mapping brain-behavior space relationships along the psychosis spectrum. <i>ELife</i> , 2021, 10, .	6.0	21
49	Neural underpinnings of prosexual effects induced by gamma-hydroxybutyrate in healthy male humans. <i>European Neuropsychopharmacology</i> , 2017, 27, 372-382.	0.7	20
50	LSD-induced increases in social adaptation to opinions similar to one's own are associated with stimulation of serotonin receptors. <i>Scientific Reports</i> , 2020, 10, 12181.	3.3	20
51	LSD and ketanserin and their impact on the human autonomic nervous system. <i>Psychophysiology</i> , 2021, 58, e13822.	2.4	19
52	Improvement of Emotional Empathy and Cluster B Personality Disorder Symptoms Associated With Decreased Cocaine Use Severity. <i>Frontiers in Psychiatry</i> , 2019, 10, 213.	2.6	18
53	Blue-yellow colour vision impairment and cognitive deficits in occasional and dependent stimulant users. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 535-547.	2.1	17
54	Serotonin Transporter and Tryptophan Hydroxylase Gene Variations Mediate Working Memory Deficits of Cocaine Users. <i>Neuropsychopharmacology</i> , 2015, 40, 2929-2937.	5.4	16

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55	Socio-cognitive functioning in stimulant polysubstance users. <i>Drug and Alcohol Dependence</i> , 2018, 190, 94-103.	3.2	16
56	Rostral Anterior Cingulate Thickness Predicts the Emotional Psilocybin Experience. <i>Biomedicines</i> , 2020, 8, 34.	3.2	15
57	Psilocybin Induces Aberrant Prediction Error Processing of Tactile Mismatch Responses—A Simultaneous EEG—fMRI Study. <i>Cerebral Cortex</i> , 2021, 32, 186-196.	2.9	15
58	Adrenergic receptor polymorphisms and mRNA expression levels are associated with delay discounting in cocaine users. <i>Addiction Biology</i> , 2017, 22, 561-569.	2.6	14
59	Stable self-serving personality traits in recreational and dependent cocaine users. <i>PLoS ONE</i> , 2017, 12, e0172853.	2.5	13
60	A neurobiological perspective on social influence: Serotonin and social adaptation. <i>Journal of Neurochemistry</i> , 2022, 162, 60-79.	3.9	11
61	Influence of Aripiprazole, Risperidone, and Amisulpride on Sensory and Sensorimotor Gating in Healthy Low and High Gating Humans and Relation to Psychometry. <i>Neuropsychopharmacology</i> , 2014, 39, 2485-2496.	5.4	10
62	The Effects of Low Doses of Lysergic Acid Diethylamide in Healthy Humans: Demystifying the Microdosing of Psychedelics. <i>Biological Psychiatry</i> , 2019, 86, 736-737.	1.3	9
63	Psychedelic-Assisted Therapy for Substance Use Disorders and Potential Mechanisms of Action. <i>Current Topics in Behavioral Neurosciences</i> , 2021, , 187-211.	1.7	8
64	Thinking about the past to shape the present: neural activation during the recall of relationship episodes. <i>Behavioural Brain Research</i> , 2019, 359, 783-791.	2.2	5
65	Social and Non-Social Cognitive Enhancement in Cocaine Users—A Closer Look on Enhancement Motives for Cocaine Consumption. <i>Frontiers in Psychiatry</i> , 2020, 11, 618.	2.6	1
66	Altered Prediction-Error Processing May Underlie Psilocybin-Induced Changes in Self-Processing. <i>Biological Psychiatry</i> , 2021, 89, S6.	1.3	1
67	Neurobiologische Grundlagen der Wirkung von Psychedelika. , 2016, , 1-18.		1
68	90. Computational Modeling of Topographic Variation in Microcircuitry Across Human Cortex: Toward Linking Molecular Alterations With Neuroimaging Biomarkers. <i>Biological Psychiatry</i> , 2018, 83, S37-S38.	1.3	0
69	S159. NMDA Receptor Antagonism Effects on Delayed Spatial Working Memory and Distraction in Comparison With Schizophrenia. <i>Biological Psychiatry</i> , 2019, 85, S358.	1.3	0
70	S175. Large-Scale Model of Human Cortex Captures LSD-Induced Functional Alterations via HTR2A-Mediated Neural Gain Modulation. <i>Biological Psychiatry</i> , 2019, 85, S365.	1.3	0
71	Neurobiologische Grundlagen der Wirkung von Psychedelika. , 2018, , 423-436.		0