

# 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  | A neurobiological perspective on social influence: Serotonin and social adaptation. <i>Journal of Neurochemistry</i> , 2022, 162, 60-79.   | 3.9  | 11        |
| 2  | 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        |
| 3  | 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        |
| 4  | LSD and ketanserin and their impact on the human autonomic nervous system. <i>Psychophysiology</i> , 2021, 58, e13822.   | 2.4  | 19        |
| 5  | Altered Prediction-Error Processing May Underlie Psilocybin-Induced Changes in Self-Processing. <i>Biological Psychiatry</i> , 2021, 89, S6.   | 1.3  | 1         |
| 6  | Mapping brain-behavior space relationships along the psychosis spectrum. <i>ELife</i> , 2021, 10, .  | 6.0  | 21        |
| 7  | Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. <i>ELife</i> , 2021, 10, .   | 6.0  | 22        |
| 8  | 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        |
| 9  | Classical Psychedelics as Therapeutics in Psychiatry — Current Clinical Evidence and Potential Therapeutic Mechanisms in Substance Use and Mood Disorders. <i>Pharmacopsychiatry</i> , 2021, 54, 176-190.                  | 3.3  | 34        |
| 10 | 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         |
| 11 | 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        |
| 12 | 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        |
| 13 | Neuropharmacological modulation of the aberrant bodily self through psychedelics. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 526-541.  | 6.1  | 37        |
| 14 | 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        |
| 15 | Hallucinations Under Psychedelics and in the Schizophrenia Spectrum: An Interdisciplinary and Multiscale Comparison. <i>Schizophrenia Bulletin</i> , 2020, 46, 1396-1408.  | 4.3  | 55        |
| 16 | Psychedelic drugs: neurobiology and potential for treatment of psychiatric disorders. <i>Nature Reviews Neuroscience</i> , 2020, 21, 611-624.  | 10.2 | 244       |
| 17 | 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        |
| 18 | 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         |

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|----|---|-----|-----------|
| 19 | Rostral Anterior Cingulate Thickness Predicts the Emotional Psilocybin Experience. <i>Biomedicines</i> , 2020, 8, 34.   | 3.2 | 15        |
| 20 | Psilocybin Induces Time-Dependent Changes in Global Functional Connectivity. <i>Biological Psychiatry</i> , 2020, 88, 197-207.  | 1.3 | 104       |
| 21 | 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         |
| 22 | 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        |
| 23 | 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         |
| 24 | 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       |
| 25 | 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        |
| 26 | 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         |
| 27 | 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         |
| 28 | 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        |
| 29 | Modulation of Social Cognition via Hallucinogens and "Entactogens". <i>Frontiers in Psychiatry</i> , 2019, 10, 881.   | 2.6 | 29        |
| 30 | 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        |
| 31 | Dynamic causal modelling revisited. <i>NeuroImage</i> , 2019, 199, 730-744.   | 4.2 | 196       |
| 32 | 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        |
| 33 | 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        |
| 34 | 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       |
| 35 | Psychedelics and music: neuroscience and therapeutic implications. <i>International Review of Psychiatry</i> , 2018, 30, 350-362.   | 2.8 | 41        |
| 36 | Cognitive and neuroanatomical impairments associated with chronic exposure to levamisole-contaminated cocaine. <i>Translational Psychiatry</i> , 2018, 8, 235.  | 4.8 | 28        |

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|----|---|-----|-----------|
| 37 | 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         |
| 38 | Socio-cognitive functioning in stimulant polysubstance users. <i>Drug and Alcohol Dependence</i> , 2018, 190, 94-103.   | 3.2 | 16        |
| 39 | Neurobiologische Grundlagen der Wirkung von Psychedelika. , 2018, , 423-436.  |     | 0         |
| 40 | ± <sub>2A</sub> 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        |
| 41 | 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       |
| 42 | 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       |
| 43 | Neural underpinnings of prosexual effects induced by gamma-hydroxybutyrate in healthy male humans. <i>European Neuropsychopharmacology</i> , 2017, 27, 372-382.   | 0.7 | 20        |
| 44 | 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        |
| 45 | Effect of Psilocybin on Empathy and Moral Decision-Making. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 747-757.   | 2.1 | 134       |
| 46 | LSD Increases Primary Process Thinking via Serotonin 2A Receptor Activation. <i>Frontiers in Pharmacology</i> , 2017, 8, 814.   | 3.5 | 70        |
| 47 | Stable self-serving personality traits in recreational and dependent cocaine users. <i>PLoS ONE</i> , 2017, 12, e0172853.   | 2.5 | 13        |
| 48 | Phenomenology, Structure, and Dynamic of Psychedelic States. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 36, 221-256.   | 1.7 | 134       |
| 49 | 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       |
| 50 | 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        |
| 51 | 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        |
| 52 | Modulatory effect of the 5-HT1A agonist bupirone and the mixed non-hallucinogenic 5-HT1A/2A agonist ergotamine on psilocybin-induced psychedelic experience. <i>European Neuropsychopharmacology</i> , 2016, 26, 756-766. | 0.7 | 97        |
| 53 | The mixed serotonin receptor agonist psilocybin reduces threat-induced modulation of amygdala connectivity. <i>NeuroImage: Clinical</i> , 2016, 11, 53-60.  | 2.7 | 75        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | Neurobiologische Grundlagen der Wirkung von Psychedelika. , 2016, , 1-18.   |     | 1         |
| 56 | Serotonin Transporter and Tryptophan Hydroxylase Gene Variations Mediate Working Memory Deficits of Cocaine Users. Neuropsychopharmacology, 2015, 40, 2929-2937.  | 5.4 | 16        |
| 57 | Effects of methylphenidate and MDMA on appraisal of erotic stimuli and intimate relationships. European Neuropsychopharmacology, 2015, 25, 17-25.   | 0.7 | 31        |
| 58 | Acute Effects of Lysergic Acid Diethylamide in Healthy Subjects. Biological Psychiatry, 2015, 78, 544-553.  | 1.3 | 340       |
| 59 | Psilocybin-Induced Decrease in Amygdala Reactivity Correlates with Enhanced Positive Mood in Healthy Volunteers. Biological Psychiatry, 2015, 78, 572-581.  | 1.3 | 206       |
| 60 | Functional changes of the reward system underlie blunted response to social gaze in cocaine users. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2842-2847.                     | 7.1 | 89        |
| 61 | MDMA enhances emotional empathy and prosocial behavior. Social Cognitive and Affective Neuroscience, 2014, 9, 1645-1652.  | 3.0 | 244       |
| 62 | Influence of Aripiprazole, Risperidone, and Amisulpride on Sensory and Sensorimotor Gating in Healthy "Low and High Gating"™ Humans and Relation to Psychometry. Neuropsychopharmacology, 2014, 39, 2485-2496.                | 5.4 | 10        |
| 63 | Impaired emotional empathy and related social network deficits in cocaine users. Addiction Biology, 2014, 19, 452-466.  | 2.6 | 117       |
| 64 | Cognitive Impairment in Cocaine Users is Drug-Induced but Partially Reversible: Evidence from a Longitudinal Study. Neuropsychopharmacology, 2014, 39, 2200-2210.   | 5.4 | 139       |
| 65 | "Verstehen"™ ("understand"™) primes "stehen"™ ("stand"™): Morphological structure overrides semantic compositionality in the lexical representation of German complex verbs. Journal of Memory and Language, 2014, 72, 16-36. | 2.1 | 50        |
| 66 | Differences in self-reported and behavioral measures of impulsivity in recreational and dependent cocaine users. Drug and Alcohol Dependence, 2013, 133, 61-70.   | 3.2 | 64        |
| 67 | Sustained incentive value of heroin-related cues in short- and long-term abstinent heroin users. European Neuropsychopharmacology, 2013, 23, 1270-1279.   | 0.7 | 23        |
| 68 | Increased Sensorimotor Gating in Recreational and Dependent Cocaine Users Is Modulated by Craving and Attention-Deficit/Hyperactivity Disorder Symptoms. Biological Psychiatry, 2013, 73, 225-234.                            | 1.3 | 41        |
| 69 | Blue"yellow colour vision impairment and cognitive deficits in occasional and dependent stimulant users. International Journal of Neuropsychopharmacology, 2013, 16, 535-547.   | 2.1 | 17        |
| 70 | Cognitive dysfunctions in recreational and dependent cocaine users: role of attention-deficit hyperactivity disorder, craving and early age at onset. British Journal of Psychiatry, 2013, 203, 35-43.                        | 2.8 | 150       |
| 71 | Cocaine Users Manifest Impaired Prosodic and Cross-Modal Emotion Processing. Frontiers in Psychiatry, 2013, 4, 98.  | 2.6 | 40        |