Sophie Erhardt

List of Publications by Year
in descending order

119 papers	7,747 citations	57719 44 h-index	54882 84 g-index
129 all docs	129 docs citations	129 times ranked	8491 citing authors

#	Article	IF	Citations
1	Two-day fasting affects kynurenine pathway with additional modulation of short-term whole-body cooling: a quasi-randomised crossover trial. British Journal of Nutrition, 2023, 129, 992-999.	1.2	4
2	Thalamic dopamine D2-receptor availability in schizophrenia: a study on antipsychotic-naive patients with first-episode psychosis and a meta-analysis. Molecular Psychiatry, 2022, 27, 1233-1240.	4.1	13
3	Peripheral and central kynurenine pathway abnormalities in major depression. Brain, Behavior, and Immunity, 2022, 101, 136-145.	2.0	46
4	Elevated endogenous GDNF induces altered dopamine signalling in mice and correlates with clinical severity in schizophrenia. Molecular Psychiatry, 2022, 27, 3247-3261.	4.1	9
5	Identification of cerebrospinal fluid and serum metabolomic biomarkers in first episode psychosis patients. Translational Psychiatry, 2022, 12, .	2.4	6
6	Blockade of KAT II Facilitates LTP in Kynurenine 3-Monooxygenase Depleted Mice. International Journal of Tryptophan Research, 2021, 14, 117864692110413.	1.0	5
7	Central levels of tryptophan metabolites in subjects with bipolar disorder. European Neuropsychopharmacology, 2021, 43, 52-62.	0.3	24
8	Disrupted sensorimotor gating in first-episode psychosis patients is not affected by short-term antipsychotic treatment. Schizophrenia Research, 2021, 228, 118-123.	1.1	7
9	Plasma bilirubin levels are reduced in first-episode psychosis patients and associates to working memory and duration of untreated psychosis. Scientific Reports, 2021, 11, 7527.	1.6	9
10	GRK3 deficiency elicits brain immune activation and psychosis. Molecular Psychiatry, 2021, 26, 6820-6832.	4.1	12
11	Physical Activity Is Associated With Lower Long-Term Incidence of Anxiety in a Population-Based, Large-Scale Study. Frontiers in Psychiatry, 2021, 12, 714014.	1.3	11
12	Vitamin C and E Treatment Blocks Changes in Kynurenine Metabolism Triggered by Three Weeks of Sprint Interval Training in Recreationally Active Elderly Humans. Antioxidants, 2021, 10, 1443.	2.2	1
13	No association between cortical dopamine D2 receptor availability and cognition in antipsychotic-naive first-episode psychosis. NPJ Schizophrenia, 2021, 7, 46.	2.0	3
14	Differential effects on blood and cerebrospinal fluid immune protein markers and kynurenine pathway metabolites from aerobic physical exercise in healthy subjects. Scientific Reports, 2021, 11, 1669.	1.6	18
15	Screening for pathogenic neuronal autoantibodies in serum and CSF of patients with first-episode psychosis. Translational Psychiatry, 2021, 11, 566.	2.4	19
16	Twin study shows association between monocyte chemoattractant protein-1 and kynurenic acid in cerebrospinal fluid. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 933-938.	1.8	4
17	Effects of IDO1 and TDO2 inhibition on cognitive deficits and anxiety following LPS-induced neuroinflammation. Acta Neuropsychiatrica, 2020, 32, 43-53.	1.0	17
18	Brain Age Prediction Reveals Aberrant Brain White Matter in Schizophrenia and Bipolar Disorder: A Multisample Diffusion Tensor Imaging Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 1095-1103.	1.1	28

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19	Repeated administration of LPS exaggerates amphetamine-induced locomotor response and causes learning deficits in mice. Journal of Neuroimmunology, 2020, 349, 577401.	1.1	8
20	Quantification of Plasma Kynurenine Metabolites Following One Bout of Sprint Interval Exercise. International Journal of Tryptophan Research, 2020, 13, 117864692097824.	1.0	17
21	CSF levels of synaptosomal-associated protein 25 and synaptotagmin-1 in first-episode psychosis subjects. IBRO Reports, 2020, 8, 136-142.	0.3	5
22	Synthesis and Preclinical Evaluation of 6-[¹⁸F]Fluorine-Î±-methyl-<scp>l</scp>-tryptophan, a Novel PET Tracer for Measuring Tryptophan Uptake. ACS Chemical Neuroscience, 2020, 11, 1756-1761.	1.7	8
23	A novel, robust method for quantification of multiple kynurenine pathway metabolites in the cerebrospinal fluid. Bioanalysis, 2020, 12, 379-392.	0.6	28
24	Long distance ski racing is associated with lower long-term incidence of depression in a population based, large-scale study. Psychiatry Research, 2019, 281, 112546.	1.7	14
25	Peripheral and central levels of kynurenic acid in bipolar disorder subjects and healthy controls. Translational Psychiatry, 2019, 9, 37.	2.4	51
26	Neurogranin as a potential synaptic marker in the cerebrospinal fluid of patients with a first episode psychosis. Schizophrenia Research, 2019, 208, 490-492.	1.1	5
27	Lipopolysaccharide Increases Cortical Kynurenic Acid and Deficits in Reference Memory in Mice. International Journal of Tryptophan Research, 2019, 12, 117864691989116.	1.0	8
28	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. Biological Psychiatry, 2019, 85, e35-e39.	0.7	5
29	Increased peripheral levels of TARC/CCL17 in first episode psychosis patients. Schizophrenia Research, 2019, 210, 221-227.	1.1	8
30	Bioenergetics and synaptic plasticity as potential targets for individualizing treatment for depression. Neuroscience and Biobehavioral Reviews, 2018, 90, 212-220.	2.9	34
31	Cerebrospinal fluid levels of sphingolipids associate with disease severity in first episode psychosis patients. Schizophrenia Research, 2018, 199, 438-441.	1.1	8
32	CSF GABA is reduced in first-episode psychosis and associates to symptom severity. Molecular Psychiatry, 2018, 23, 1244-1250.	4.1	44
33	First-episode psychosis patients display increased plasma IL-18 that correlates with cognitive dysfunction. Schizophrenia Research, 2018, 195, 406-408.	1.1	15
34	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	0.7	627
35	Increased number of monocytes and plasma levels of <scp>MCP</scp>â€1 and <scp>YKL</scp>â€40 in firstâ€episode psychosis. Acta Psychiatrica Scandinavica, 2018, 138, 432-440.	2.2	20
36	Importance of kynurenine 3-monooxygenase for spontaneous firing and pharmacological responses of midbrain dopamine neurons: Relevance for schizophrenia. Neuropharmacology, 2018, 138, 130-139.	2.0	25

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37	The kynurenine pathway in schizophrenia and bipolar disorder. Neuropharmacology, 2017, 112, 297-306.	2.0	187
38	Adaptive and Behavioral Changes in Kynurenine 3-Monooxygenase Knockout Mice: Relevance to Psychotic Disorders. Biological Psychiatry, 2017, 82, 756-765.	0.7	57
39	Decreased levels of kynurenic acid in prefrontal cortex in a genetic animal model of depression. Acta Neuropsychiatrica, 2017, 29, 54-58.	1.0	13
40	Lower levels of the glial cell marker TSPO in drug-naive first-episode psychosis patients as measured using PET and [11C]PBR28. Molecular Psychiatry, 2017, 22, 850-856.	4.1	94
41	658. Metformin Enhances Antidepressant Response Rate to Ketamine in a Rodent Model of Antidepressant Treatment Resistance. Biological Psychiatry, 2017, 81, S266-S267.	0.7	1
42	LPS-induced cortical kynurenic acid and neurogranin-NFAT signaling is associated with deficits in stimulus processing during Pavlovian conditioning. Journal of Neuroimmunology, 2017, 313, 1-9.	1.1	12
43	Kynurenic acid and psychotic symptoms and personality traits in twins with psychiatric morbidity. Psychiatry Research, 2017, 247, 105-112.	1.7	18
44	Twelve-week physical exercise does not have a long-lasting effect on kynurenines in plasma of depressed patients. Neuropsychiatric Disease and Treatment, 2017, Volume 13, 967-972.	1.0	30
45	EWSâ€FLI1 impairs aryl hydrocarbon receptor activation by blocking tryptophan breakdown via the kynurenine pathway. FEBS Letters, 2016, 590, 2063-2075.	1.3	11
46	Tryptophan Metabolism Along the Kynurenine Pathway Downstream of Tollâ€like Receptor Stimulation in Peripheral Monocytes. Scandinavian Journal of Immunology, 2016, 84, 262-271.	1.3	32
47	An enzyme in the kynurenine pathway that governs vulnerability to suicidal behavior by regulating excitotoxicity and neuroinflammation. Translational Psychiatry, 2016, 6, e865-e865.	2.4	141
48	Direct effects of exercise on kynurenine metabolism in people with normal glucose tolerance or type 2 diabetes. Diabetes/Metabolism Research and Reviews, 2016, 32, 754-761.	1.7	39
49	Endurance exercise increases skeletal muscle kynurenine aminotransferases and plasma kynurenic acid in humans. American Journal of Physiology - Cell Physiology, 2016, 310, C836-C840.	2.1	119
50	Repeated LPS Injection Induces Distinct Changes in the Kynurenine Pathway in Mice. Neurochemical Research, 2016, 41, 2243-2255.	1.6	27
51	Tryptophan, kynurenine, and kynurenine metabolites: Relationship to lifetime aggression and inflammatory markers in human subjects. Psychoneuroendocrinology, 2016, 71, 189-196.	1.3	32
52	Electroconvulsive therapy suppresses the neurotoxic branch of the kynurenine pathway in treatment-resistant depressed patients. Journal of Neuroinflammation, 2016, 13, 51.	3.1	69
53	Inhibition of kynurenine aminotransferase II reduces activity of midbrain dopamine neurons. Neuropharmacology, 2016, 102, 42-47.	2.0	33
54	The CD44 ligand hyaluronic acid is elevated in the cerebrospinal fluid of suicide attempters and is associated with increased bloodâ€“brain barrier permeability. Journal of Affective Disorders, 2016, 193, 349-354.	2.0	27

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55	A genome-wide association study of kynurenic acid in cerebrospinal fluid: implications for psychosis and cognitive impairment in bipolar disorder. Molecular Psychiatry, 2016, 21, 1342-1350.	4.1	71
56	Cerebrospinal fluid kynurenines in multiple sclerosis; relation to disease course and neurocognitive symptoms. Brain, Behavior, and Immunity, 2016, 51, 47-55.	2.0	56
57	The role of inflammation in suicidal behaviour. Acta Psychiatrica Scandinavica, 2015, 132, 192-203.	2.2	137
58	Chronic Antipsychotic Treatment in the Rat â€“ Effects on Brain Interleukin-8 and Kynurenic Acid. International Journal of Tryptophan Research, 2015, 8, IJTR.S25915.	1.0	15
59	Low <scp>IL</scp>â€8 is associated with anxiety in suicidal patients: genetic variation and decreased protein levels. Acta Psychiatrica Scandinavica, 2015, 131, 269-278.	2.2	62
60	Increased levels of IL-6 in the cerebrospinal fluid of patients with chronic schizophrenia â€" significance for activation of the kynurenine pathway. Journal of Psychiatry and Neuroscience, 2015, 40, 126-133.	1.4	173
61	A role for inflammatory metabolites as modulators of the glutamate N-methyl-d-aspartate receptor in depression and suicidality. Brain, Behavior, and Immunity, 2015, 43, 110-117.	2.0	240
62	Abstract 1162: Investigating the NAD metabolome in Ewing Sarcoma. , 2015, , .		0
63	The KMO allele encoding Arg452 is associated with psychotic features in bipolar disorder type 1, and with increased CSF KYNA level and reduced KMO expression. Molecular Psychiatry, 2014, 19, 334-341.	4.1	91
64	Behavioral disturbances in adult mice following neonatal virus infection or kynurenine treatment â€" Role of brain kynurenic acid. Brain, Behavior, and Immunity, 2014, 36, 80-89.	2.0	37
65	Skeletal Muscle PGC-1Î±1 Modulates Kynurenine Metabolism and Mediates Resilience to Stress-Induced Depression. Cell, 2014, 159, 33-45.	13.5	581
66	Imbalanced Kynurenine Pathway in Schizophrenia. International Journal of Tryptophan Research, 2014, 7, IJTR.S16800.	1.0	95
67	Kynurenic Acid Levels in Cerebrospinal Fluid from Patients with Alzheimer's Disease or Dementia with Lewy Bodies. International Journal of Tryptophan Research, 2014, 7, IJTR.S13958.	1.0	36
68	Connecting inflammation with glutamate agonism in suicidality. Neuropsychopharmacology, 2013, 38, 743-752.	2.8	287
69	CSF kynurenic acid and suicide risk in schizophrenia spectrum psychosis. Psychiatry Research, 2013, 205, 165-167.	1.7	26
70	Altered chemokine levels in the cerebrospinal fluid and plasma of suicide attempters. Psychoneuroendocrinology, 2013, 38, 853-862.	1.3	53
71	Increased Levels of Kynurenine and Kynurenic Acid in the CSF of Patients With Schizophrenia. Schizophrenia Bulletin, 2012, 38, 426-432.	2.3	248
72	Kynurenine 3-monooxygenase polymorphisms: relevance for kynurenic acid synthesis in patients with schizophrenia and healthy controls. Journal of Psychiatry and Neuroscience, 2012, 37, 53-57.	1.4	65

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73	Cerebrospinal fluid kynurenic acid is associated with manic and psychotic features in patients with bipolar I disorder. Bipolar Disorders, 2012, 14, 719-726.	1.1	70
74	Subchronic elevation of brain kynurenic acid augments amphetamine-induced locomotor response in mice. Journal of Neural Transmission, 2012, 119, 155-163.	1.4	24
75	Kynurenine 3-monooxygenase (KMO) polymorphisms in schizophrenia: An association study. Schizophrenia Research, 2011, 127, 270-272.	1.1	19
76	CSF biomarkers in suicide attempters â€“ a principal component analysis. Acta Psychiatrica Scandinavica, 2011, 124, 52-61.	2.2	65
77	Elevation of cerebrospinal fluid interleukin-1Î² in bipolar disorder. Journal of Psychiatry and Neuroscience, 2011, 36, 114-118.	1.4	151
78	Neonatal infection with neurotropic influenza A virus induces the kynurenine pathway in early life and disrupts sensorimotor gating in adult Tap1â^'/â^' mice. International Journal of Neuropsychopharmacology, 2010, 13, 475.	1.0	46
79	Role of the NMDA-receptor in Prepulse Inhibition in the Rat. International Journal of Tryptophan Research, 2010, 3, IJTR.S4260.	1.0	14
80	Elevated levels of kynurenic acid in the cerebrospinal fluid of patients with bipolar disorder. Journal of Psychiatry and Neuroscience, 2010, 35, 195-199.	1.4	87
81	Acyclovir inhibition of IDO to decrease Tregs as a glioblastoma treatment adjunct. Journal of Neuroinflammation, 2010, 7, 44.	3.1	24
82	P.2.014 Neonatal influenza A infection potentiates amphetamine induced increase in locomotor activity in the adult mouse. European Neuropsychopharmacology, 2010, 20, S40.	0.3	0
83	Activation of brain interleukin-1Î² in schizophrenia. Molecular Psychiatry, 2009, 14, 1069-1071.	4.1	147
84	Interleukin-6 Is Elevated in the Cerebrospinal Fluid of Suicide Attempters and Related to Symptom Severity. Biological Psychiatry, 2009, 66, 287-292.	0.7	436
85	Pharmacological Manipulation of Kynurenic Acid. CNS Drugs, 2009, 23, 91-101.	2.7	138
86	S.03.01 Do virus infections cause schizophrenia?. European Neuropsychopharmacology, 2009, 19, S178.	0.3	0
87	Elevated levels of kynurenic acid change the dopaminergic response to amphetamine: implications for schizophrenia. International Journal of Neuropsychopharmacology, 2009, 12, 501.	1.0	47
88	Clozapine interacts with the glycine site of the NMDA receptor: Electrophysiological studies of dopamine neurons in the rat ventral tegmental area. Life Sciences, 2008, 83, 170-175.	2.0	74
89	Prenatal Dexamethasone Impairs Behavior and the Activation of the BDNF Exon IV Promoter in the Paraventricular Nucleus in Adult Offspring. Endocrinology, 2008, 149, 6356-6365.	1.4	43
90	The kynurenic acid hypothesis of schizophrenia. Physiology and Behavior, 2007, 92, 203-209.	1.0	148

#	Article	IF	Citations
91	Activation of rat ventral tegmental area dopamine neurons by endogenous kynurenic acid: A pharmacological analysis. Neuropharmacology, 2007, 53, 918-924.	2.0	42
92	P.1.c.039 Increased midbrain dopaminergic firing by the competitive N-methyl-D-aspartate receptor antagonist SDZ 220â€“581. European Neuropsychopharmacology, 2007, 17, S264-S265.	0.3	0
93	P.3.b.004 Subchronic elevation of endogenous levels of kynurenic acid increase dopamine release in rat nucleus accumbens. European Neuropsychopharmacology, 2007, 17, S419-S420.	0.3	1
94	Cerebrospinal fluid kynurenic acid in male patients with schizophrenia â€“ correlation with monoamine metabolites. Acta Neuropsychiatrica, 2007, 19, 45-52.	1.0	14
95	Cerebrospinal fluid kynurenic acid in male and female controls â€“ Correlation with monoamine metabolites and influences of confounding factors. Journal of Psychiatric Research, 2007, 41, 144-151.	1.5	31
96	P.3.d.012 The response of clozapine on midbrain dopamine neurons depends on endogenous concentration of kynurenic acid. European Neuropsychopharmacology, 2006, 16, S435-S436.	0.3	0
97	Effects of COX-1 and COX-2 inhibitors on the firing of rat midbrain dopaminergic neuronsâ€”Possible involvement of endogenous kynurenic acid. Synapse, 2006, 59, 290-298.	0.6	58
98	Subchronic treatment with kynurenine and probenecid: effects on prepulse inhibition and firing of midbrain dopamine neurons. Journal of Neural Transmission, 2006, 113, 557-571.	1.4	51
99	Activation of noradrenergic locus coeruleus neurons by clozapine and haloperidol: involvement of glutamatergic mechanisms. International Journal of Neuropsychopharmacology, 2005, 8, 329-339.	1.0	29
100	Prostaglandin-mediated control of rat brain kynurenic acid synthesis â€“ opposite actions by COX-1 and COX-2 isoforms. Journal of Neural Transmission, 2005, 112, 863-872.	1.4	77
101	Elevated levels of kynurenic acid in the cerebrospinal fluid of male patients with schizophrenia. Schizophrenia Research, 2005, 80, 315-322.	1.1	214
102	Clozapine modulates midbrain dopamine neuron firing via interaction with the NMDA receptor complex. Synapse, 2004, 52, 114-122.	0.6	60
103	Endogenous kynurenic acid disrupts prepulse inhibition. Biological Psychiatry, 2004, 56, 255-260.	0.7	164
104	The anaesthetic agent propofol interacts with GABAB-receptors: an electrophysiological study in rat. Life Sciences, 2003, 72, 2793-2801.	2.0	31
105	Inhibitory Action of Clozapine on Rat Ventral Tegmental Area Dopamine Neurons Following Increased Levels of Endogenous Kynurenic Acid. Neuropsychopharmacology, 2003, 28, 1770-1777.	2.8	33
106	Kynurenic Acid And Schizophrenia. Advances in Experimental Medicine and Biology, 2003, 527, 155-165.	0.8	65
107	GABA B receptor-mediated modulation of the firing pattern of ventral tegmental area dopamine neurons in vivo. Naunyn-Schmiedeberg's Archives of Pharmacology, 2002, 365, 173-180.	1.4	101
108	Increased phasic activity of dopaminergic neurones in the rat ventral tegmental area following pharmacologically elevated levels of endogenous kynurenic acid. Acta Physiologica Scandinavica, 2002, 175, 45-53.	2.3	73

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109	Excitatory and inhibitory responses of dopamine neurons in the ventral tegmental area to nicotine. Synapse, 2002, 43, 227-237.	0.6	71
110	Kynurenic acid levels are elevated in the cerebrospinal fluid of patients with schizophrenia. Neuroscience Letters, 2001, 313, 96-98.	1.0	411
111	Pharmacologically elevated levels of endogenous kynurenic acid prevent nicotine-induced activation of nigral dopamine neurons. Naunyn-Schmiedeberg's Archives of Pharmacology, 2001, 363, 21-27.	1.4	32
112	Pharmacological elevation of endogenous kynurenic acid levels activates nigral dopamine neurons. Amino Acids, 2001, 20, 353-362.	1.2	60
113	Nicotine-induced excitation of locus coeruleus neurons is blocked by elevated levels of endogenous kynurenic acid. Synapse, 2000, 37, 104-108.	0.6	32
114	Excitation of nigral dopamine neurons by the GABAA receptor agonist muscimol is mediated via release of glutamate. Life Sciences, 2000, 67, 1901-1911.	2.0	13
115	Inhibition of glucose-induced insulin secretion by a peripheral-type benzodiazepine receptor ligand (PK) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	15
116	Nicotine-induced excitation of locus coeruleus neurons is blocked by elevated levels of endogenous kynurenic acid. , 2000, 37, 104.		1
117	Activation of nigral dopamine neurons by the selective GABA B -receptor antagonist SCH 50911. Journal of Neural Transmission, 1999, 106, 383-394.	1.4	28
118	Inhibition of firing rate and changes in the firing pattern of nigral dopamine neurons by Î³-hydroxybutyric acid (GHBA) are specifically induced by activation of GABAB receptors. Naunyn-Schmiedeberg's Archives of Pharmacology, 1998, 357, 611-619.	1.4	59
119	Oxytocin increases locus coeruleus alpha 2-adrenoreceptor responsiveness in rats. Neuroscience Letters, 1998, 255, 115-118.	1.0	62