# Stefano Comai

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5117938/publications.pdf

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| 84 | 3,314 | 147801 | 161849 |
|---|---|---|---|
| papers | citations | 31 h-index | 54 g-index |

| 86 | 86 | 86 | 4062 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cannabidiol modulates serotonergic transmission and reverses both allodynia and anxiety-like behavior in a model of neuropathic pain. Pain, 2019, 160, 136-150. | 4.2 | 239 |
| 2 | Drugs for Insomnia beyond Benzodiazepines: Pharmacology, Clinical Applications, and Discovery. Pharmacological Reviews, 2018, 70, 197-245. | 16.0 | 231 |
| 3 | Epilepsy, Antiepileptic Drugs, and Aggression: An Evidence-Based Review. Pharmacological Reviews, 2016, 68, 563-602. | 16.0 | 186 |
| 4 | Tryptophan in health and disease. Advances in Clinical Chemistry, 2020, 95, 165-218. | 3.7 | 150 |
| 5 | Unveiling the role of melatonin MT2 receptors in sleep, anxiety and other neuropsychiatric diseases: a novel target in psychopharmacology. Journal of Psychiatry and Neuroscience, 2014, 39, 6-21. | 2.4 | 142 |
| 6 | The content of proteic and nonproteic (free and protein-bound) tryptophan in quinoa and cereal flours. Food Chemistry, 2007, 100, 1350-1355. | 8.2 | 129 |
| 7 | Promotion of Non-Rapid Eye Movement Sleep and Activation of Reticular Thalamic Neurons by a Novel MT<sub>2</sub>Melatonin Receptor Ligand. Journal of Neuroscience, 2011, 31, 18439-18452. | 3.6 | 113 |
| 8 | The Psychopharmacology of Aggressive Behavior. Journal of Clinical Psychopharmacology, 2012, 32, 83-94. | 1.4 | 106 |
| 9 | The Psychopharmacology of Aggressive Behavior. Journal of Clinical Psychopharmacology, 2012, 32, 237-260. | 1.4 | 103 |
| 10 | Sleepâ€“wake characterization of double MT1/MT2 receptor knockout mice and comparison with MT1 and MT2 receptor knockout mice. Behavioural Brain Research, 2013, 243, 231-238. | 2.2 | 95 |
| 11 | Differential Function of Melatonin MT1 and MT2 Receptors in REM and NREM Sleep. Frontiers in Endocrinology, 2019, 10, 87. | 3.5 | 93 |
| 12 | Monoamine oxidase a gene promoter methylation and transcriptional downregulation in an offender population with antisocial personality disorder. British Journal of Psychiatry, 2015, 206, 216-222. | 2.8 | 91 |
| 13 | d-Lysergic Acid Diethylamide (LSD) as a Model of Psychosis: Mechanism of Action and Pharmacology. International Journal of Molecular Sciences, 2016, 17, 1953. | 4.1 | 76 |
| 14 | The hallucinogen d -lysergic diethylamide (LSD) decreases dopamine firing activity through 5-HT 1A , D 2 and TAAR 1 receptors. Pharmacological Research, 2016, 113, 81-91. | 7.1 | 76 |
| 15 | Selective melatonin MT2 receptor ligands relieve neuropathic pain through modulation of brainstem descending antinociceptive pathways. Pain, 2015, 156, 305-317. | 4.2 | 68 |
| 16 | Translational control of depression-like behavior via phosphorylation of eukaryotic translation initiation factor 4E. Nature Communications, 2018, 9, 2459. | 12.8 | 65 |
| 17 | Reduced peripheral availability of tryptophan and increased activation of the kynurenine pathway and cortisol correlate with major depression and suicide. World Journal of Biological Psychiatry, 2019, 20, 703-711. | 2.6 | 61 |
| 18 | Anxiolytic effects of the melatonin MT2 receptor partial agonist UCM765: Comparison with melatonin and diazepam. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 39, 318-325. | 4.8 | 60 |

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|---|---|---|---|
| 19 | Serotonin Dysfunction, Aggressive Behavior, and Mental Illness: Exploring the Link Using a Dimensional Approach. ACS Chemical Neuroscience, 2017, 8, 961-972. | 3.5 | 59 |
| 20 | Melancholic-Like Behaviors and Circadian Neurobiological Abnormalities in Melatonin MT1 Receptor Knockout Mice. International Journal of Neuropsychopharmacology, 2015, 18, pyu075-pyu075. | 2.1 | 56 |
| 21 | Lysergic acid diethylamide (LSD) promotes social behavior through mTORC1 in the excitatory neurotransmission. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 55 |
| 22 | Centella asiatica (L.) urban from Nepal: Quali-quantitative analysis of samples from several sites, and selection of high terpene containing populations for cultivation. Biochemical Systematics and Ecology, 2010, 38, 12-22. | 1.3 | 48 |
| 23 | Tryptophan via serotonin/kynurenine pathways abnormalities in a large cohort of aggressive inmates: markers for aggression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 70, 8-16. | 4.8 | 48 |
| 24 | Effects of PEG-interferon alpha plus ribavirin on tryptophan metabolism in patients with chronic hepatitis C. Pharmacological Research, 2011, 63, 85-92. | 7.1 | 46 |
| 25 | Targeting Melatonin MT2 Receptors: A Novel Pharmacological Avenue for Inflammatory and Neuropathic Pain. Current Medicinal Chemistry, 2018, 25, 3866-3882. | 2.4 | 44 |
| 26 | The effect of age on the enzyme activities of tryptophan metabolism along the kynurenine pathway in rats. Clinica Chimica Acta, 2005, 360, 67-80. | 1.1 | 42 |
| 27 | Sleep well. Untangling the role of melatonin MT1 and MT2 receptors in sleep. Journal of Pineal Research, 2019, 66, e12544. | 7.4 | 40 |
| 28 | Melatonin MT1 receptor as a novel target in neuropsychopharmacology: MT1 ligands, pathophysiological and therapeutic implications, and perspectives. Pharmacological Research, 2019, 144, 343-356. | 7.1 | 38 |
| 29 | Ventricular cerebrospinal fluid melatonin concentrations investigated with an endoscopic technique. Journal of Pineal Research, 2007, 42, 113-118. | 7.4 | 36 |
| 30 | The content of protein and non-protein (free and protein-bound) tryptophan in Theobroma cacao beans. Food Chemistry, 2011, 124, 93-96. | 8.2 | 36 |
| 31 | Repeated lysergic acid diethylamide (LSD) reverses stress-induced anxiety-like behavior, cortical synaptogenesis deficits and serotonergic neurotransmission decline. Neuropsychopharmacology, 2022, 47, 1188-1198. | 5.4 | 36 |
| 32 | Protein and non-protein (free and protein-bound) tryptophan in legume seeds. Food Chemistry, 2007, 103, 657-661. | 8.2 | 33 |
| 33 | Antinociceptive properties of selective MT2 melatonin receptor partial agonists. European Journal of Pharmacology, 2015, 764, 424-432. | 3.5 | 32 |
| 34 | Essential oil of Lindera neesiana fruit: Chemical analysis and its potential use in topical applications. FÃ¬toterapÃ¬Ã¢, 2010, 81, 11-16. | 2.2 | 31 |
| 35 | Melatonin, selective and non-selective MT1/MT2 receptors agonists: Differential effects on the 24-h vigilance states. Neuroscience Letters, 2014, 561, 156-161. | 2.1 | 27 |
| 36 | Grey and white matter structure associates with the activation of the tryptophan to kynurenine pathway in bipolar disorder. Journal of Affective Disorders, 2019, 259, 404-412. | 4.1 | 25 |

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|---|---|---|---|
| 37 | Lysergic acid diethylamide differentially modulates the reticular thalamus, mediodorsal thalamus, and infralimbic prefrontal cortex: An in vivo electrophysiology study in male mice. Journal of Psychopharmacology, 2021, 35, 469-482. | 4.0 | 24 |
| 38 | Tryptophan Metabolites, Cytokines, and Fatty Acid Binding Protein 2 in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. Biomedicines, 2021, 9, 1724. | 3.2 | 23 |
| 39 | Antidepressant combination versus antidepressants plus second-generation antipsychotic augmentation in treatment-resistant unipolar depression. International Clinical Psychopharmacology, 2018, 33, 34-43. | 1.7 | 22 |
| 40 | Role of palmitoylethanolamide (PEA) in depression: Translational evidence. Journal of Affective Disorders, 2019, 255, 195-200. | 4.1 | 22 |
| 41 | Valproate augmentation in a subgroup of patients with treatment-resistant unipolar depression. World Journal of Biological Psychiatry, 2016, 17, 165-170. | 2.6 | 21 |
| 42 | Melatonin MT1 and MT2 Receptors Exhibit Distinct Effects in the Modulation of Body Temperature across the Light/Dark Cycle. International Journal of Molecular Sciences, 2019, 20, 2452. | 4.1 | 20 |
| 43 | Selective association of cytokine levels and kynurenine/tryptophan ratio with alterations in white matter microstructure in bipolar but not in unipolar depression. European Neuropsychopharmacology, 2022, 55, 96-109. | 0.7 | 20 |
| 44 | Prenatal IL-6 levels and activation of the tryptophan to kynurenine pathway are associated with depressive but not anxiety symptoms across the perinatal and the post-partum period in a low-risk sample. Brain, Behavior, and Immunity, 2020, 89, 175-183. | 4.1 | 19 |
| 45 | Investigation of the Relationship among Cortisol, Pro-inflammatory Cytokines, and the Degradation of Tryptophan into Kynurenine in Patients with Major Depression and Suicidal Behavior. Current Topics in Medicinal Chemistry, 2022, 22, 2119-2125. | 2.1 | 18 |
| 46 | Psychopathological and sociodemographic features in treatment-resistant unipolar depression versus bipolar depression: a comparative study. BMC Psychiatry, 2018, 18, 68. | 2.6 | 17 |
| 47 | Biomarkers in aggression. Advances in Clinical Chemistry, 2019, 93, 169-237. | 3.7 | 17 |
| 48 | Dysfunction of serotonergic activity and emotional responses across the lightâ€dark cycle in mice lackingÂmelatoninÂ MT<sub>2</sub> receptors. Journal of Pineal Research, 2020, 69, e12653. | 7.4 | 17 |
| 49 | Two phenolic glycosides from Curculigo orchioides Gaertn. FÃ¬toterapÃ¬Ã¢, 2009, 80, 279-282. | 2.2 | 16 |
| 50 | High frequency stimulation of the anterior vermis modulates behavioural response to chronic stress: involvement of the prefrontal cortex and dorsal raphe?. Neurobiology of Disease, 2018, 116, 166-178. | 4.4 | 16 |
| 51 | The role of peptides and proteins in melanoidin formation. Journal of Mass Spectrometry, 2009, 44, 410-418. | 1.6 | 14 |
| 52 | Sex Differences in Responses to Antidepressant Augmentations in Treatment-Resistant Depression. International Journal of Neuropsychopharmacology, 2022, 25, 479-488. | 2.1 | 14 |
| 53 | The protein profile of Theobroma cacao L. seeds as obtained by matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 2035-2042. | 1.5 | 13 |
| 54 | Endoscopic Selective Sampling of Human Ventricular CSF: A New Perspective. Minimally Invasive Neurosurgery, 2004, 47, 350-354. | 0.9 | 11 |

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|---|---|---|---|
| 55 | Transcranial direct current stimulation of the mouse prefrontal cortex modulates serotonergic neural activity of the dorsal raphe nucleus. Brain Stimulation, 2020, 13, 548-550. | 1.6 | 11 |
| 56 | Investigating the relationship between melatonin levels, melatonin system, microbiota composition and bipolar disorder psychopathology across the different phases of the disease. International Journal of Bipolar Disorders, 2019, 7, 27. | 2.2 | 11 |
| 57 | Trace elements among a sample of prisoners with mental and personality disorders and aggression: correlation with impulsivity and ADHD indices. Journal of Trace Elements in Medicine and Biology, 2019, 51, 123-129. | 3.0 | 10 |
| 58 | An investigation on the role of 3-hydroxykynurenine in pigment formation by matrix-assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1413-1420. | 1.5 | 9 |
| 59 | An investigation on the possible role of melatonin in melanogenesis. Journal of Mass Spectrometry, 2006, 41, 517-526. | 1.6 | 9 |
| 60 | Study of tryptophan metabolism via serotonin in cerebrospinal fluid of patients with noncommunicating hydrocephalus using a new endoscopic technique. Journal of Neuroscience Research, 2006, 84, 683-691. | 2.9 | 9 |
| 61 | Phytochemical and Antioxidant-Related Investigations on Bark of Abies spectabilis (D. Don) Spach. from Nepal. Molecules, 2012, 17, 1686-1697. | 3.8 | 9 |
| 62 | Effects of quetiapine and olanzapine in patients with psychosis and violent behavior: a pilot randomized, open-label, comparative study. Neuropsychiatric Disease and Treatment, 2014, 10, 757. | 2.2 | 9 |
| 63 | Melatonin recovers sleep phase delayed by MKâ€801 through the melatonin MT<sub>2</sub> receptorâ€• Ca<sup>2+</sup>â€CaMKIIâ€CREB pathway in the ventrolateral preoptic nucleus. Journal of Pineal Research, 2020, 69, e12674. | 7.4 | 9 |
| 64 | A mass spectrometric investigation on the possible role of tryptophan and 7-hydroxytryptophan in melanogenesis. Journal of Mass Spectrometry, 2006, 41, 921-930. | 1.6 | 8 |
| 65 | Dysfunction of the serotonergic system in the brain of synapsin triple knockout mice is associated with behavioral abnormalities resembling synapsin-related human pathologies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 105, 110135. | 4.8 | 8 |
| 66 | Tryptophan metabolism along the kynurenine pathway in diet-induced and genetic hypercholesterolemic rabbits. Clinica Chimica Acta, 2004, 350, 41-49. | 1.1 | 7 |
| 67 | Melatonin and aggressive behavior: A systematic review of the literature on preclinical and clinical evidence. Journal of Pineal Research, 2022, 72, . | 7.4 | 7 |
| 68 | Search for Melanoma Markers in Plasma and Serum Samples. European Journal of Mass Spectrometry, 2005, 11, 353-360. | 1.0 | 6 |
| 69 | Is Poor Lithium Response in Individuals with Bipolar Disorder Associated with Increased Degradation of Tryptophan along the Kynurenine Pathway? Results of an Exploratory Study. Journal of Clinical Medicine, 2022, 11, 2517. | 2.4 | 6 |
| 70 | A Study of Tryptophan Metabolism via Serotonin in Ventricular Cerebrospinal Fluid in HIV-1 Infection Using a Neuroendoscopic Technique. Current HIV Research, 2007, 5, 267-272. | 0.5 | 5 |
| 71 | Reduction of serum serotonin precursors after veralipride treatment for postmenopausal hot flushes. Climacteric, 2010, 13, 141-146. | 2.4 | 5 |
| 72 | Quinoa: Protein and Nonprotein Tryptophan in Comparison with Other Cereal and Legume Flours and Bread. , 2011, , 113-125. | | 5 |

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|---|---|---|---|
| 73 | Composition of Cacao Beans. , 2013, , 105-117. | | 5 |
| 74 | Early Dysfunction of Substantia Nigra Dopamine Neurons in the ParkinQ311X Mouse. Biomedicines, 2021, 9, 514. | 3.2 | 5 |
| 75 | Translational Research in Suicide: Is It Possible to Study Suicide in Animal Models?. , 2016, , 177-188. | | 5 |
| 76 | Cloricromene effect on the enzyme activities of the tryptophanâ€“nicotinic acid pathway in diabetic/hyperlipidemic rabbits. Life Sciences, 2006, 78, 785-794. | 4.3 | 4 |
| 77 | Neurobiology of Violence. Comprehensive Approach To Psychiatry, 2020, , 25-47. | 1.0 | 4 |
| 78 | Non-protein (free and protein-bound) tryptophan content in cereal and legume seed flours. International Congress Series, 2007, 1304, 227-232. | 0.2 | 2 |
| 79 | Triterpene Derivatives from Abies Spectabilis Leaves of Nepalese Origin. Natural Product Communications, 2011, 6, 1934578X1100600. | 0.5 | 2 |
| 80 | Lifetime Cannabis Use Disorder Is Not Associated With Lifetime Impulsive Behavior and Severe Violence in Patients With Schizophrenia Spectrum Disorders From a High-Security Hospital. Journal of Clinical Psychopharmacology, 2021, 41, 623-628. | 1.4 | 2 |
| 81 | Distinct Effects of Antidepressants in Association With Mood Stabilizers and/or Antipsychotics in Unipolar and Bipolar Depression. Journal of Clinical Psychopharmacology, 2022, Publish Ahead of Print, . | 1.4 | 2 |
| 82 | Changes in serum tryptophan during antiviral therapy with recombinant Î±-interferon in chronic hepatitis C. International Congress Series, 2007, 1304, 362-366. | 0.2 | 0 |
| 83 | Tryptophan metabolism via serotonin in human CSF of different brain sites using a new neuroendoscopic technique. International Congress Series, 2007, 1304, 150-158. | 0.2 | 0 |
| 84 | Franco Fraschini, MD, PhD (1932â€2020). Journal of Pineal Research, 2021, 70, . | 7.4 | 0 |