

# Cristiano Chiamulera

## List of Publications by Year in descending order

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113  
papers

3,976  
citations

172207

29  
h-index

128067

60  
g-index

117  
all docs

117  
docs citations

117  
times ranked

4259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcing and locomotor stimulant effects of cocaine are absent in mGluR5 null mutant mice. <i>Nature Neuroscience</i> , 2001, 4, 873-874.	7.1	517
2	Common Neural Substrates for the Addictive Properties of Nicotine and Cocaine. <i>Science</i> , 1997, 275, 83-86.	6.0	376
3	Removing Obstacles in Neuroscience Drug Discovery: The Future Path for Animal Models. <i>Neuropsychopharmacology</i> , 2009, 34, 74-89.	2.8	301
4	Nicotinic Acetylcholine Receptors in the Mesolimbic Pathway: Primary Role of Ventral Tegmental Area $\alpha 6 \beta 2^*$ Receptors in Mediating Systemic Nicotine Effects on Dopamine Release, Locomotion, and Reinforcement. <i>Journal of Neuroscience</i> , 2010, 30, 5311-5325.	1.7	208
5	The Anterior Insular Cortex's Central Amygdala Glutamatergic Pathway Is Critical to Relapse after Contingency Management. <i>Neuron</i> , 2017, 96, 414-427.e8.	3.8	136
6	Post-retrieval extinction as reconsolidation interference: methodological issues or boundary conditions?. <i>Psychopharmacology</i> , 2013, 226, 631-647.	1.5	121
7	Cue reactivity in nicotine and tobacco dependence: a "multiple-action" model of nicotine as a primary reinforcement and as an enhancer of the effects of smoking-associated stimuli. <i>Brain Research Reviews</i> , 2005, 48, 74-97.	9.1	120
8	Nicotine reinstatement of nicotine self-administration after long-term extinction. <i>Psychopharmacology</i> , 1996, 127, 102-107.	1.5	116
9	Ketamine enhances structural plasticity in mouse mesencephalic and human iPSC-derived dopaminergic neurons via AMPAR-driven BDNF and mTOR signaling. <i>Molecular Psychiatry</i> , 2018, 23, 812-823.	4.1	106
10	Telemedicine and Virtual Reality for Cognitive Rehabilitation: A Roadmap for the COVID-19 Pandemic. <i>Frontiers in Neurology</i> , 2020, 11, 926.	1.1	102
11	Effect of NMDA- and strychnine-insensitive glycine site antagonists on NMDA-mediated convulsions and learning. <i>Psychopharmacology</i> , 1990, 102, 551-552.	1.5	90
12	Activation of metabotropic receptors has a neuroprotective effect in a rodent model of focal ischaemia. <i>European Journal of Pharmacology</i> , 1992, 216, 335-336.	1.7	85
13	Upregulation of [ <sup>3</sup> H]methyllycaconitine binding sites following continuous infusion of nicotine, without changes of $\alpha 7$ or $\alpha 6$ subunit mRNA: an autoradiography and in situ hybridization study in rat brain. <i>European Journal of Neuroscience</i> , 2002, 16, 1633-1646.	1.2	81
14	The Reinforcing Properties of Nicotine are Associated with a Specific Patterning of c-fos Expression in the Rat Brain. <i>European Journal of Neuroscience</i> , 1996, 8, 2247-2256.	1.2	74
15	Nicotine self-administration and withdrawal: modulation of anxiety in the social interaction test in rats. <i>Psychopharmacology</i> , 2001, 153, 315-320.	1.5	67
16	Tobacco Addiction and Smoking Status in Heroin Addicts under Methadone vs. Buprenorphine Therapy. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 932-942.	1.2	56
17	Novel stem/progenitor cells with neuronal differentiation potential reside in the leptomeningeal niche. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3195-3208.	1.6	54
18	Effects of the metabotropic glutamate receptor antagonist MCPG on spatial and context-specific learning. <i>Neuropharmacology</i> , 1996, 35, 1557-1565.	2.0	50

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19	Synthesis and pharmacological characterisation of 2,4-Dicarboxy-pyrroles as selective non-Competitive mGluR1 antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 171-183.	1.4	48
20	Nicotine reinforcement in rats with histories of cocaine self-administration. <i>Psychopharmacology</i> , 1995, 121, 282-283.	1.5	46
21	Extinction, applied after retrieval of auditory fear memory, selectively increases zinc-finger protein 268 and phosphorylated ribosomal protein S6 expression in prefrontal cortex and lateral amygdala. <i>Neurobiology of Learning and Memory</i> , 2014, 115, 78-85.	1.0	45
22	Increases in cholinergic neurotransmission measured by using choline-sensitive microelectrodes: Enhanced detection by hydrolysis of acetylcholine on recording sites?. <i>Neurochemistry International</i> , 2008, 52, 1343-1350.	1.9	43
23	Increased Protein Nitration in Mitochondrial Diseases: Evidence for Vessel Wall Involvement. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.002964.	2.5	39
24	Qualitative and quantitative analysis of the progressive cerebral damage after middle cerebral artery occlusion in mice. <i>Brain Research</i> , 1993, 606, 251-258.	1.1	38
25	Correspondence. <i>Neuroscience</i> , 1997, 79, 1-5.	1.1	36
26	The expression of p75 neurotrophin receptor protects against the neurotoxicity of soluble oligomers of $\beta$ -amyloid. <i>Experimental Cell Research</i> , 2005, 311, 126-134.	1.2	33
27	Sphingosine 1-Phosphate Receptor Modulator Fingolimod (FTY720) Attenuates Myocardial Fibrosis in Post-heterotopic Heart Transplantation. <i>Frontiers in Pharmacology</i> , 2017, 8, 645.	1.6	33
28	Cigarette Smoking Knowledge and Perceptions Among Students in Four Italian Medical Schools. <i>Nicotine and Tobacco Research</i> , 2012, 14, 1065-1072.	1.4	32
29	Resumption of ethanol seeking behaviour in rats. <i>Behavioural Pharmacology</i> , 1995, 6, 32-39.	0.8	31
30	The modulation of BDNF expression and signalling dissects the antidepressant from the reinforcing properties of ketamine: Effects of single infusion vs. chronic self-administration in rats. <i>Pharmacological Research</i> , 2016, 104, 22-30.	3.1	29
31	(2R,6R)-Hydroxynorketamine promotes dendrite outgrowth in human inducible pluripotent stem cell-derived neurons through AMPA receptor with timing and exposure compatible with ketamine infusion pharmacokinetics in humans. <i>NeuroReport</i> , 2018, 29, 1425-1430.	0.6	29
32	Pharmacological and non-pharmacological factors that regulate the acquisition of ketamine self-administration in rats. <i>Psychopharmacology</i> , 2015, 232, 4505-4514.	1.5	27
33	Methoxetamine, a novel psychoactive substance with serious adverse pharmacological effects: a review of case reports and preclinical findings. <i>Behavioural Pharmacology</i> , 2016, 27, 489-496.	0.8	26
34	Ketamine Self-Administration Elevates $\hat{I}\pm$ CaMKII Autophosphorylation in Mood and Reward-Related Brain Regions in Rats. <i>Molecular Neurobiology</i> , 2018, 55, 5453-5461.	1.9	26
35	Domoic Acid Toxicity in Rats and Mice after Intracerebroventricular Administration: Comparison with Excitatory Amino Acid Agonists. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1992, 70, 115-120.	0.0	25
36	Nicotine-seeking reinstatement is reduced by inhibition of instrumental memory reconsolidation. <i>Behavioural Pharmacology</i> , 2014, 25, 725-731.	0.8	24

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37	Ketamine Self-Administration Reduces the Homeostasis of the Glutamate Synapse in the Rat Brain. <i>Molecular Neurobiology</i> , 2017, 54, 7186-7193.	1.9	24
38	Glutamate receptors and metaplasticity in addiction. <i>Current Opinion in Pharmacology</i> , 2021, 56, 39-45.	1.7	24
39	Musculoskeletal Adverse Drug Reactions: A Review of Literature and Data from ADR Spontaneous Reporting Databases. <i>Current Drug Safety</i> , 2007, 2, 47-63.	0.3	23
40	Nicotine increases the expression of neurotrophin receptor tyrosine kinase receptor A in basal forebrain cholinergic neurons. <i>Neuroscience</i> , 2010, 166, 580-589.	1.1	23
41	Propranolol transiently inhibits reinstatement of nicotine-seeking behaviour in rats. <i>Journal of Psychopharmacology</i> , 2010, 24, 389-395.	2.0	23
42	Acute ketamine-induced neuroplasticity. <i>NeuroReport</i> , 2013, 24, 388-393.	0.6	23
43	The ketamine-like compound methoxetamine substitutes for ketamine in the self-administration paradigm and enhances mesolimbic dopaminergic transmission. <i>Psychopharmacology</i> , 2016, 233, 2241-2251.	1.5	22
44	Methoxetamine affects brain processing involved in emotional response in rats. <i>British Journal of Pharmacology</i> , 2017, 174, 3333-3345.	2.7	21
45	Psychedelics and reconsolidation of traumatic and appetitive maladaptive memories: focus on cannabinoids and ketamine. <i>Psychopharmacology</i> , 2018, 235, 433-445.	1.5	21
46	Molecular mechanisms of the positive reinforcing effect of nicotine. <i>Behavioural Pharmacology</i> , 1999, 10, 587-596.	0.8	19
47	The ketamine analogue methoxetamine generalizes to ketamine discriminative stimulus in rats. <i>Behavioural Pharmacology</i> , 2016, 27, 204-210.	0.8	19
48	The motor way: Clinical implications of understanding and shaping actions with the motor system in autism and drug addiction. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 191-206.	1.0	17
49	Virtual Reality for Neuroarchitecture: Cue Reactivity in Built Spaces. <i>Frontiers in Psychology</i> , 2017, 8, 185.	1.1	17
50	Chronic nicotine treatment decreases neurofilament immunoreactivity in the rat ventral tegmental area. <i>European Journal of Pharmacology</i> , 2000, 393, 249-253.	1.7	15
51	Ketamine increases the expression of GluR1 and GluR2 $\pm$ -amino-3-hydroxy-5-methy-4-isoxazole propionate receptor subunits in human dopaminergic neurons differentiated from induced pluripotent stem cells. <i>NeuroReport</i> , 2019, 30, 207-212.	0.6	15
52	Metaplastic Effects of Ketamine and MK-801 on Glutamate Receptors Expression in Rat Medial Prefrontal Cortex and Hippocampus. <i>Molecular Neurobiology</i> , 2021, 58, 3443-3456.	1.9	15
53	Acute effect of $\beta$ -blockers on physical performance and perceived cognitive load on amateur footballers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, e423-31.	1.3	14
54	The effects of oral smokeless tobacco administration on endurance performance. <i>Journal of Sport and Health Science</i> , 2018, 7, 465-472.	3.3	14

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55	The metaplastic effects of ketamine on sucrose renewal and contextual memory reconsolidation in rats. <i>Behavioural Brain Research</i> , 2020, 379, 112347.	1.2	14
56	Chronic nicotine treatment changes the axonal distribution of 68 kDa neurofilaments in the rat ventral tegmental area. <i>European Journal of Neuroscience</i> , 2002, 16, 877-882.	1.2	13
57	Expression of small-conductance calcium-activated potassium channels (SK3) in skeletal muscle: regulation by muscle activity. <i>Journal of Physiology</i> , 2008, 586, 4763-4774.	1.3	13
58	Choline up-regulates BDNF and down-regulates TrkB neurotrophin receptor in rat cortical cell culture. <i>NeuroReport</i> , 2009, 20, 828-832.	0.6	13
59	Acetylcholinesterase inhibitors partially generalize to nicotine discriminative stimulus effect in rats. <i>Behavioural Pharmacology</i> , 2011, 22, 1-6.	0.8	13
60	Metabotropic glutamate receptor 5 as a potential target for smoking cessation. <i>Psychopharmacology</i> , 2017, 234, 1357-1370.	1.5	13
61	Where Dopaminergic and Cholinergic Systems Interact: A Gateway for Tuning Neurodegenerative Disorders. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 661973.	1.0	13
62	Sub-chronic nicotine-induced changes in regional cerebral blood volume and transversal relaxation time patterns in the rat: a magnetic resonance study. <i>Neuroscience Letters</i> , 2005, 377, 195-199.	1.0	12
63	Drug discovery for the treatment of substance use disorders: novel targets, repurposing, and the need for new paradigms. <i>Current Opinion in Pharmacology</i> , 2017, 35, 120-124.	1.7	12
64	A Preliminary Investigation on Smokeless Tobacco Use and Its Cognitive Effects Among Athletes. <i>Frontiers in Pharmacology</i> , 2018, 9, 216.	1.6	12
65	The metaplastic effects of NMDA receptors blockade on reactivation of instrumental memories in rats. <i>Neurobiology of Learning and Memory</i> , 2018, 154, 87-96.	1.0	11
66	Exercise performance increase in smokeless tobacco user athletes after overnight nicotine abstinence. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 430-439.	1.3	11
67	Remote clinical trials: A timely opportunity for a virtual reality approach and its potential application in neurology. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 3639-3642.	1.1	11
68	Knowledge about Health Effects of Cigarette Smoking and Quitting among Italian University Students: The Importance of Teaching Nicotine Dependence and Treatment in the Medical Curriculum. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	10
69	The Effect of Postretrieval Extinction of Nicotine Pavlovian Memories in Rats Trained to Self-Administer Nicotine. <i>Nicotine and Tobacco Research</i> , 2014, 16, 1599-1605.	1.4	10
70	Continuous Infusion of Flumazenil in the Management of Benzodiazepines Detoxification. <i>Frontiers in Psychiatry</i> , 2021, 12, 646038.	1.3	10
71	SK3 Trafficking in Hippocampal Cells: The Role of Different Molecular Domains. <i>Bioscience Reports</i> , 2006, 26, 399-412.	1.1	9
72	Nicotinic Receptors and the Treatment of Attentional and Cognitive Deficits in Neuropsychiatric Disorders: Focus on the $\alpha 7$ Nicotinic Acetylcholine Receptor as a Promising Drug Target for Schizophrenia. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2007, 7, 269-288.	0.5	9

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73	Nicotine-induced phosphorylation of phosphorylated cyclic AMP response element-binding protein (pCREB) in hippocampal neurons is potentiated by agrin. <i>Neuroscience Letters</i> , 2008, 442, 234-238.	1.0	9
74	Reconsolidation of Maladaptive Memories as a Therapeutic Target: Pre-Clinical Data and Clinical Approaches. <i>Frontiers in Psychiatry</i> , 2014, 5, 107.	1.3	9
75	Smoking-related cue reactivity in a virtual reality setting: association between craving and EEG measures. <i>Psychopharmacology</i> , 2021, 238, 1363-1371.	1.5	9
76	A virtual reality study on postretrieval extinction of smoking memory reconsolidation in smokers. <i>Journal of Substance Abuse Treatment</i> , 2021, 125, 108317.	1.5	9
77	Protocols for instrumental memory reconsolidation in rodents: A methodological review. <i>Journal of Neuroscience Methods</i> , 2020, 342, 108766.	1.3	9
78	Neural substrate of nicotine addiction as defined by functional brain maps of gene expression. <i>Journal of Physiology (Paris)</i> , 1998, 92, 225-228.	2.1	8
79	Reconsolidation of sucrose instrumental memory in rats: The role of retrieval context. <i>Brain Research</i> , 2019, 1714, 193-201.	1.1	8
80	p75 neurotrophin receptor distribution and transport in cultured neurons. <i>Neuroscience Research</i> , 2008, 62, 32-42.	1.0	7
81	Opportunities, threats and limitations of neuroscience data in forensic psychiatric evaluation. <i>Current Opinion in Psychiatry</i> , 2013, 26, 468-473.	3.1	7
82	Revealing Dissociable Attention Biases in Chronic Smokers Through an Individual-Differences Approach. <i>Scientific Reports</i> , 2019, 9, 4930.	1.6	7
83	GABAergic neurons expressing p75 in rat substantia innominata and nucleus basalis. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 625-632.	1.0	6
84	Which Future for Neuroscience in Forensic Psychiatry: Theoretical Hurdles and Empirical Chances. <i>Frontiers in Psychiatry</i> , 2013, 4, 74.	1.3	5
85	Ketamine nano-delivery based on poly-lactic-co-glycolic acid (PLGA) nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 655-663.	1.6	5
86	Ketamine effects on mammalian target of rapamycin signaling in the mouse limbic system depend on functional dopamine D3 receptors. <i>NeuroReport</i> , 2018, 29, 615-620.	0.6	5
87	The importance of nicotine use among winter sports athletes especially in skiers. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 1072.	0.6	5
88	Cytokine-, Neurotrophin-, and Motor Rehabilitation-Induced Plasticity in Parkinson's Disease. <i>Neural Plasticity</i> , 2020, 2020, 1-15.	1.0	5
89	Environmental Enrichment Induces Meningeal Niche Remodeling through TrkB-Mediated Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10657.	1.8	5
90	Smokeless tobacco use in sports: "legal doping"? <i>Addiction</i> , 2007, 102, 1847-1848.	1.7	4

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91	The Effects of Nicotine on Cortical Excitability After Exercise. <i>Journal of Clinical Psychopharmacology</i> , 2020, 40, 495-498.	0.7	4
92	Brief Environmental Enrichment exposure enhances contextual-induced sucrose-seeking with and without memory reactivation in rats. <i>Behavioural Brain Research</i> , 2022, 416, 113556.	1.2	4
93	Research is needed on the use of cognitive enhancer drugs in sport. <i>Journal of Science and Medicine in Sport</i> , 2011, 14, 2-3.	0.6	3
94	Evidence for caspase-dependent programmed cell death along with repair processes in affected skeletal muscle fibres in patients with mitochondrial disorders. <i>Clinical Science</i> , 2016, 130, 167-181.	1.8	3
95	A descriptive study of exercise dependence: a short report among Italian and Japanese runners. <i>Journal of Addictive Diseases</i> , 2020, 39, 133-137.	0.8	3
96	Drinking reduction and reversibility of neuroadaptation in alcoholism. <i>Journal of Psychopharmacology</i> , 2014, 28, 810-812.	2.0	2
97	Hippocampal gamma oscillations by sucrose instrumental memory retrieval in rats across sleep/wake cycle. <i>Neuroscience Letters</i> , 2020, 736, 135255.	1.0	2
98	Smokers "Context Reactivity" in Virtual Domestic Environments. <i>European Addiction Research</i> , 2021, 27, 439-446.	1.3	2
99	What role does dopamine really play in tobacco addiction?. <i>Addiction</i> , 2018, 113, 1379-1380.	1.7	1
100	The interaction between Environmental Enrichment and fluoxetine in inhibiting sucrose-seeking renewal in mice depend on social living condition. <i>Psychopharmacology</i> , 2022, 239, 2351-2361.	1.5	1
101	An in vivo study suggesting the existence of different subtypes of quisqualate receptors. <i>European Journal of Pharmacology</i> , 1990, 183, 956.	1.7	0
102	New anxiolytics in development. <i>Pharmacological Research</i> , 1992, 26, 192.	3.1	0
103	Contribution of mGluR1 and mGluR5 to addiction to psycho stimulants. <i>European Neuropsychopharmacology</i> , 2002, 12, 156.	0.3	0
104	A8 CONTEXT-DEPENDENT ACTION OF NICOTINE ON LEARNING: OPPOSITE EFFECTS IN THE OBJECT RECOGNITION TASK IN MICE. <i>Behavioural Pharmacology</i> , 2005, 16, S25-S26.	0.8	0
105	G.P.3.11 Increased protein nitration in mitochondrial diseases: Evidence for vessel wall involvement. <i>Neuromuscular Disorders</i> , 2009, 19, 564-565.	0.3	0
106	A New Chapter in the History of SRNT: The Formation of the European Chapter of SRNT (SRNT-E)--A Letter from the Presidents of SRNT and SRNT Europe. <i>Nicotine and Tobacco Research</i> , 2010, 12, 1181-1182.	1.4	0
107	E.17 - WEEKLY KETAMINE SELF-ADMINISTRATION IN RATS AS A MODEL OF INTERMITTENT KETAMINE USE. <i>Behavioural Pharmacology</i> , 2013, 24, e46.	0.8	0
108	S.24.01 mTOR controls structural plasticity of dopaminergic neurons: implication in the actions of ketamine. <i>European Neuropsychopharmacology</i> , 2015, 25, S145-S146.	0.3	0

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109	P.1.007 Ketamine-induced plasticity in mouse-primary and human-iPSC-derived dopaminergic neurons involves D3R and mTOR pathway. <i>European Neuropsychopharmacology</i> , 2016, 26, S8-S9.	0.3	0
110	12. Relapse to Methamphetamine Seeking After Choice-Based Voluntary Abstinence (Contingency) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 S5.	0.7	0
111	Smoker and smokeless tobacco user athletes: dual users?. <i>QJM - Monthly Journal of the Association of Physicians</i> , 2020, , .	0.2	0
112	Effects of nicotine on microvascular responsiveness after nicotine satiety versus overnight nicotine abstinence. <i>Vascular Medicine</i> , 2020, 25, 223-225.	0.8	0
113	Le nuove frontiere dell'intervento integrato farmacologico e psicosociale per il trattamento dei disturbi da uso di sostanze. <i>Rivista Sperimentale Di Freniatria</i> , 2016, , 103-125.	0.1	0