

# Martin Cammarota

## List of Publications by Year in descending order

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147  
papers

9,570  
citations

36303

51  
h-index

42399

92  
g-index

148  
all docs

148  
docs citations

148  
times ranked

10009  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | BDNF is essential to promote persistence of long-term memory storage. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2711-2716.  | 7.1  | 559       |
| 2  | Persistence of Long-Term Memory Storage Requires a Late Protein Synthesis- and BDNF- Dependent Phase in the Hippocampus. Neuron, 2007, 53, 261-277.   | 8.1  | 550       |
| 3  | Physiology of the Prion Protein. Physiological Reviews, 2008, 88, 673-728.  | 28.8 | 523       |
| 4  | Different molecular cascades in different sites of the brain control memory consolidation. Trends in Neurosciences, 2006, 29, 496-505.  | 8.6  | 404       |
| 5  | Dopamine Controls Persistence of Long-Term Memory Storage. Science, 2009, 325, 1017-1020.   | 12.6 | 384       |
| 6  | BDNF and memory processing. Neuropharmacology, 2014, 76, 677-683.   | 4.1  | 296       |
| 7  | Learning-associated activation of nuclear MAPK, CREB and Elk-1, along with Fos production, in the rat hippocampus after a one-trial avoidance learning: abolition by NMDA receptor blockade. Molecular Brain Research, 2000, 76, 36-46. | 2.3  | 265       |
| 8  | Reviews: BDNF and Memory Formation and Storage. Neuroscientist, 2008, 14, 147-156.  | 3.5  | 260       |
| 9  | On the role of hippocampal protein synthesis in the consolidation and reconsolidation of object recognition memory. Learning and Memory, 2007, 14, 36-46.   | 1.3  | 235       |
| 10 | BDNF Activates mTOR to Regulate GluR1 Expression Required for Memory Formation. PLoS ONE, 2009, 4, e6007.   | 2.5  | 230       |
| 11 | Plastic modifications induced by object recognition memory processing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2652-2657.   | 7.1  | 220       |
| 12 | mTOR signaling in the hippocampus is necessary for memory formation. Neurobiology of Learning and Memory, 2007, 87, 303-307.  | 1.9  | 163       |
| 13 | Delayed wave of c-Fos expression in the dorsal hippocampus involved specifically in persistence of long-term memory storage. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 349-354.       | 7.1  | 136       |
| 14 | Learning-specific, time-dependent increases in hippocampal Ca <sup>2+</sup> /calmodulin-dependent protein kinase II activity and AMPA GluR1 subunit immunoreactivity. European Journal of Neuroscience, 1998, 10, 2669-2676.            | 2.6  | 121       |
| 15 | Endogenous BDNF is required for long-term memory formation in the rat parietal cortex. Learning and Memory, 2005, 12, 504-510.  | 1.3  | 112       |
| 16 | Further evidence for the involvement of a hippocampal cGMP/cGMP-dependent protein kinase cascade in memory consolidation. NeuroReport, 1997, 8, 2221-2224.  | 1.2  | 109       |
| 17 | The Vesicular Acetylcholine Transporter Is Required for Neuromuscular Development and Function. Molecular and Cellular Biology, 2009, 29, 5238-5250.  | 2.3  | 105       |
| 18 | Retrieval Does Not Induce Reconsolidation of Inhibitory Avoidance Memory. Learning and Memory, 2004, 11, 572-578.   | 1.3  | 104       |

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|----|--|-----|-----------|
| 19 | On the participation of mTOR in recognition memory. <i>Neurobiology of Learning and Memory</i> , 2008, 89, 338-351.  | 1.9 | 103       |
| 20 | Inhibition of hippocampal Jun N-terminal kinase enhances short-term memory but blocks long-term memory formation and retrieval of an inhibitory avoidance task. <i>European Journal of Neuroscience</i> , 2003, 17, 897-902.   | 2.6 | 98        |
| 21 | Retrieval induces hippocampal-dependent reconsolidation of spatial memory. <i>Learning and Memory</i> , 2006, 13, 431-440.   | 1.3 | 98        |
| 22 | Autonomous activity of CaMKII is only transiently increased following the induction of long-term potentiation in the rat hippocampus. <i>European Journal of Neuroscience</i> , 2004, 20, 3063-3072.   | 2.6 | 92        |
| 23 | Cyclic AMP-Responsive Element Binding Protein in Brain Mitochondria. <i>Journal of Neurochemistry</i> , 2002, 72, 2272-2277.   | 3.9 | 81        |
| 24 | Posttraining activation of CB1 cannabinoid receptors in the CA1 region of the dorsal hippocampus impairs object recognition long-term memory. <i>Neurobiology of Learning and Memory</i> , 2008, 90, 374-381.  | 1.9 | 81        |
| 25 | Inhibition of mRNA and Protein Synthesis in the CA1 Region of the Dorsal Hippocampus Blocks Reinstallment of an Extinguished Conditioned Fear Response. <i>Journal of Neuroscience</i> , 2003, 23, 737-741.  | 3.6 | 80        |
| 26 | Angiotensin II blocks memory consolidation through an AT2 receptor-dependent mechanism. <i>Psychopharmacology</i> , 2005, 179, 529-535.  | 3.1 | 79        |
| 27 | On the participation of hippocampal PKC in acquisition, consolidation and reconsolidation of spatial memory. <i>Neuroscience</i> , 2007, 147, 37-45.   | 2.3 | 79        |
| 28 | Short-term memory formation and long-term memory consolidation are enhanced by cellular prion association to stress-inducible protein 1. <i>Neurobiology of Disease</i> , 2007, 26, 282-290.   | 4.4 | 77        |
| 29 | Persistence of Long-Term Memory Storage: New Insights into its Molecular Signatures in the Hippocampus and Related Structures. <i>Neurotoxicity Research</i> , 2010, 18, 377-385.  | 2.7 | 76        |
| 30 | Angiotensin II disrupts inhibitory avoidance memory retrieval. <i>Hormones and Behavior</i> , 2006, 50, 308-313.   | 2.1 | 73        |
| 31 | Early postnatal maternal deprivation in rats induces memory deficits in adult life that can be reversed by donepezil and galantamine. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 59-64.  | 1.6 | 71        |
| 32 | Consolidation of object recognition memory requires simultaneous activation of dopamine D1/D5 receptors in the amygdala and medial prefrontal cortex but not in the hippocampus. <i>Neurobiology of Learning and Memory</i> , 2013, 106, 66-70.  | 1.9 | 67        |
| 33 | The interaction between prion protein and laminin modulates memory consolidation. <i>European Journal of Neuroscience</i> , 2006, 24, 3255-3264.   | 2.6 | 66        |
| 34 | Autobiographical Memory Disturbances in Depression: A Novel Therapeutic Target?. <i>Neural Plasticity</i> , 2015, 2015, 1-14.  | 2.2 | 65        |
| 35 | Physical exercise can reverse the deficit in fear memory induced by maternal deprivation. <i>Neurobiology of Learning and Memory</i> , 2009, 92, 364-369.  | 1.9 | 64        |
| 36 | Memory consolidation induces N-methyl-d-aspartic acid-receptor- and Ca <sup>2+</sup> /calmodulin-dependent protein kinase II-dependent modifications in L <sup>-</sup> amino-3-hydroxy-5-methylisoxazole-4-propionic acid receptor properties. <i>Neuroscience</i> , 2005, 136, 397-403. | 2.3 | 63        |

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|----|---|-----|-----------|
| 37 | D1/D5 dopamine receptors modulate spatial memory formation. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 271-275.   | 1.9 | 63        |
| 38 | Molecular signatures and mechanisms of long-lasting memory consolidation and storage. <i>Neurobiology of Learning and Memory</i> , 2013, 106, 40-47.  | 1.9 | 63        |
| 39 | Retrograde Amnesia Induced by Drugs Acting on Different Molecular Systems.. <i>Behavioral Neuroscience</i> , 2004, 118, 563-568.  | 1.2 | 61        |
| 40 | Histamine enhances inhibitory avoidance memory consolidation through a H2 receptor-dependent mechanism. <i>Neurobiology of Learning and Memory</i> , 2006, 86, 100-106.   | 1.9 | 61        |
| 41 | The connection between the hippocampal and the striatal memory systems of the brain: A review of recent findings. <i>Neurotoxicity Research</i> , 2006, 10, 113-121.  | 2.7 | 60        |
| 42 | Early Activation of Extracellular Signal-Regulated Kinase Signaling Pathway in the Hippocampus is Required for Short-Term Memory Formation of a Fear-Motivated Learning. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 81-6. | 3.3 | 59        |
| 43 | β-Adrenergic receptors link NO/sGC/PKG signaling to BDNF expression during the consolidation of object recognition long-term memory. <i>Hippocampus</i> , 2010, 20, 672-683.  | 1.9 | 59        |
| 44 | Activation of adenosine receptors in the posterior cingulate cortex impairs memory retrieval in the rat. <i>Neurobiology of Learning and Memory</i> , 2005, 83, 217-223.  | 1.9 | 58        |
| 45 | Do memories consolidate to persist or do they persist to consolidate?. <i>Behavioural Brain Research</i> , 2008, 192, 61-69.  | 2.2 | 58        |
| 46 | Gastrin-releasing Peptide Receptor Antagonist Effects on an Animal Model of Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 84-90.   | 5.6 | 57        |
| 47 | B-50/GAP-43 phosphorylation and PKC activity are increased in rat hippocampal synaptosomal membranes after an inhibitory avoidance training. <i>Neurochemical Research</i> , 1997, 22, 499-505.                                       | 3.3 | 56        |
| 48 | Participation of CaMKII in neuronal plasticity and memory formation. <i>Cellular and Molecular Neurobiology</i> , 2002, 22, 259-267.  | 3.3 | 56        |
| 49 | Effects of acute and chronic physical exercise and stress on different types of memory in rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 301-309.  | 0.8 | 56        |
| 50 | Requirement for BDNF in the Reconsolidation of Fear Extinction. <i>Journal of Neuroscience</i> , 2015, 35, 6570-6574.   | 3.6 | 55        |
| 51 | Inhibitory Avoidance Training Induces Rapid and Selective Changes in <sup>3</sup> [H]AMPA Receptor Binding in the Rat Hippocampal Formation. <i>Neurobiology of Learning and Memory</i> , 1995, 64, 257-264.                          | 1.9 | 54        |
| 52 | Retrieval and the Extinction of Memory. <i>Cellular and Molecular Neurobiology</i> , 2005, 25, 465-474.   | 3.3 | 53        |
| 53 | Reduced expression of the vesicular acetylcholine transporter causes learning deficits in mice. <i>Genes, Brain and Behavior</i> , 2009, 8, 23-35.  | 2.2 | 53        |
| 54 | Rapid and transient learning-associated increase in NMDA NR1 subunit in the rat hippocampus. <i>Neurochemical Research</i> , 2000, 25, 567-572.   | 3.3 | 52        |

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|----|---|------|-----------|
| 55 | On the role of retrosplenial cortex in long-lasting memory storage. <i>Hippocampus</i> , 2013, 23, 295-302.   | 1.9  | 52        |
| 56 | Inhibition of mRNA synthesis in the hippocampus impairs consolidation and reconsolidation of spatial memory. <i>Hippocampus</i> , 2008, 18, 29-39.  | 1.9  | 50        |
| 57 | Involvement of hippocampal PKC $\delta$ isoform in the early phase of memory formation of an inhibitory avoidance learning. <i>Brain Research</i> , 2000, 855, 199-205.   | 2.2  | 49        |
| 58 | BDNF controls object recognition memory reconsolidation. <i>Neurobiology of Learning and Memory</i> , 2017, 142, 79-84.   | 1.9  | 49        |
| 59 | Learning-specific, time-dependent increase in [ $^3$ H]phorbol dibutyrate binding to protein kinase C in selected regions of the rat brain. <i>Brain Research</i> , 1995, 685, 163-168.                               | 2.2  | 47        |
| 60 | NEUROSCIENCE: Zif and the Survival of Memory. <i>Science</i> , 2004, 304, 829-830.  | 12.6 | 47        |
| 61 | Parallel memory processing by the CA1 region of the dorsal hippocampus and the basolateral amygdala. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10279-10284. | 7.1  | 47        |
| 62 | Different time course for the memory facilitating effect of bicuculline in hippocampus, entorhinal cortex, and posterior parietal cortex of rats. <i>Neurobiology of Learning and Memory</i> , 2004, 82, 52-56.       | 1.9  | 46        |
| 63 | A link between role of two prefrontal areas in immediate memory and in long-term memory consolidation. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 160-166.  | 1.9  | 46        |
| 64 | Effect of isoquinoline alkaloids from two <i>Hippeastrum</i> species on in vitro acetylcholinesterase activity. <i>Phytomedicine</i> , 2010, 17, 698-701.   | 5.3  | 46        |
| 65 | AMPA/kainate and group-I metabotropic receptor antagonists infused into different brain areas impair memory formation of inhibitory avoidance in rats. <i>Behavioural Pharmacology</i> , 2003, 14, 161-166.           | 1.7  | 43        |
| 66 | The entorhinal cortex plays a role in extinction. <i>Neurobiology of Learning and Memory</i> , 2006, 85, 192-197.   | 1.9  | 43        |
| 67 | Pharmacological Findings on the Biochemical Bases of Memory Processes: A General View. <i>Neural Plasticity</i> , 2004, 11, 159-189.  | 2.2  | 42        |
| 68 | Retinol induces the ERK1/2-dependent phosphorylation of CREB through a pathway involving the generation of reactive oxygen species in cultured Sertoli cells. <i>Cellular Signalling</i> , 2006, 18, 1685-1694.       | 3.6  | 42        |
| 69 | Relationship between short- and long-term memory and short- and long-term extinction. <i>Neurobiology of Learning and Memory</i> , 2005, 84, 25-32.   | 1.9  | 41        |
| 70 | On the participation of hippocampal p38 mitogen-activated protein kinase in extinction and reacquisition of inhibitory avoidance memory. <i>Neuroscience</i> , 2006, 143, 15-23.                                      | 2.3  | 41        |
| 71 | Phosphorylation of CaMKII at Thr253 occurs in vivo and enhances binding to isolated postsynaptic densities. <i>Journal of Neurochemistry</i> , 2006, 98, 289-299.   | 3.9  | 41        |
| 72 | Neonatal handling and the maternal odor preference in rat pups: Involvement of monoamines and cyclic AMP response element-binding protein pathway in the olfactory bulb. <i>Neuroscience</i> , 2009, 159, 31-38.      | 2.3  | 41        |

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|----|---|-----|-----------|
| 73 | Histamine facilitates consolidation of fear extinction. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 1209-1217.  | 2.1 | 41        |
| 74 | Bone marrow mononuclear cells reduce seizure frequency and improve cognitive outcome in chronic epileptic rats. <i>Life Sciences</i> , 2011, 89, 229-234.   | 4.3 | 40        |
| 75 | Temporary inactivation of the dorsal hippocampus induces a transient impairment in retrieval of aversive memory. <i>Behavioural Brain Research</i> , 2007, 180, 113-118.  | 2.2 | 39        |
| 76 | Infusion of protein synthesis inhibitors in the entorhinal cortex blocks consolidation but not reconsolidation of object recognition memory. <i>Neurobiology of Learning and Memory</i> , 2009, 91, 466-472.  | 1.9 | 39        |
| 77 | Medial prefrontal cortex is a crucial node of a rapid learning system that retrieves recent and remote memories. <i>Neurobiology of Learning and Memory</i> , 2013, 103, 19-25.   | 1.9 | 39        |
| 78 | State-dependent effect of dopamine D1/D5 receptors inactivation on memory destabilization and reconsolidation. <i>Behavioural Brain Research</i> , 2015, 285, 194-199.  | 2.2 | 39        |
| 79 | Angiotensin II promotes the phosphorylation of cyclic AMP-responsive element binding protein (CREB) at Ser133 through an ERK1/2-dependent mechanism. <i>Journal of Neurochemistry</i> , 2002, 79, 1122-1128.  | 3.9 | 38        |
| 80 | Functional integrity of the retrosplenial cortex is essential for rapid consolidation and recall of fear memory. <i>Learning and Memory</i> , 2013, 20, 170-173.  | 1.3 | 38        |
| 81 | Reversible Changes in Hippocampal 3H-AMPA Binding Following Inhibitory Avoidance Training in the Rat. <i>Neurobiology of Learning and Memory</i> , 1996, 66, 85-88.   | 1.9 | 37        |
| 82 | Retrieval induces reconsolidation of fear extinction memory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21801-21805.   | 7.1 | 36        |
| 83 | ERK1/2 and CaMKII-mediated events in memory formation: Is 5HT regulation involved?. <i>Behavioural Brain Research</i> , 2008, 195, 120-128.   | 2.2 | 35        |
| 84 | Photic control of nitric oxide synthase activity in the hamster suprachiasmatic nuclei. <i>Brain Research</i> , 1998, 797, 190-196.   | 2.2 | 34        |
| 85 | The inhibition of acquired fear. <i>Neurotoxicity Research</i> , 2004, 6, 175-188.  | 2.7 | 34        |
| 86 | Extinction and reacquisition of a fear-motivated memory require activity of the Src family of tyrosine kinases in the CA1 region of the hippocampus. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 139-145.                                     | 2.9 | 34        |
| 87 | The molecular cascades of long-term potentiation underlie memory consolidation of one-trial avoidance in the CA1 region of the dorsal hippocampus, but not in the basolateral amygdala or the neocortex. <i>Neurotoxicity Research</i> , 2008, 14, 273-294. | 2.7 | 34        |
| 88 | The evidence for hippocampal long-term potentiation as a basis of memory for simple tasks. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 115-127.   | 0.8 | 33        |
| 89 | Medial prefrontal cortex dopamine controls the persistent storage of aversive memories. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 408.   | 2.0 | 33        |
| 90 | On the Involvement of BDNF Signaling in Memory Reconsolidation. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 383.  | 3.7 | 33        |

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|-----|---|-----|-----------|
| 91  | Experience-dependent increase in cAMP-responsive element binding protein in synaptic and nonsynaptic mitochondria of the rat hippocampus. <i>European Journal of Neuroscience</i> , 1999, 11, 3753-3756.  | 2.6 | 31        |
| 92  | Memory formation requires p38MAPK activity in the rat hippocampus. <i>NeuroReport</i> , 2003, 14, 1989-1992.  | 1.2 | 30        |
| 93  | Learning twice is different from learning once and from learning more. <i>Neuroscience</i> , 2005, 132, 273-279.  | 2.3 | 30        |
| 94  | Age-dependent and age-independent human memory persistence is enhanced by delayed posttraining methylphenidate administration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19504-19507. | 7.1 | 30        |
| 95  | Histamine activates tyrosine hydroxylase in bovine adrenal chromaffin cells through a pathway that involves ERK1/2 but not p38 or JNK. <i>Journal of Neurochemistry</i> , 2003, 84, 453-458.  | 3.9 | 29        |
| 96  | Role of protein phosphatase 2C from bovine adrenal chromaffin cells in the dephosphorylation of phospho-serine 40 tyrosine hydroxylase. <i>Journal of Neurochemistry</i> , 2003, 85, 1368-1373.   | 3.9 | 29        |
| 97  | A link between the hippocampal and the striatal memory systems of the brain. <i>Anais Da Academia Brasileira De Ciencias</i> , 2006, 78, 515-523.   | 0.8 | 29        |
| 98  | Retinoic acid induces apoptosis by a non-classical mechanism of ERK1/2 activation. <i>Toxicology in Vitro</i> , 2008, 22, 1205-1212.  | 2.4 | 29        |
| 99  | The extinction of conditioned fear: structural and molecular basis and therapeutic use. <i>Revista Brasileira De Psiquiatria</i> , 2007, 29, 80-85.   | 1.7 | 29        |
| 100 | Early Activation of Extracellular Signal-Regulated Kinase Signaling Pathway in the Hippocampus is Required for Short-Term Memory Formation of a Fear-Motivated Learning. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 987-1000.       | 3.3 | 28        |
| 101 | Hippocampal glutamate receptors in fear memory consolidation. <i>Neurotoxicity Research</i> , 2004, 6, 205-211.   | 2.7 | 27        |
| 102 | Neonatal handling alters the structure of maternal behavior and affects motherâ€“pup bonding. <i>Behavioural Brain Research</i> , 2014, 265, 216-228.   | 2.2 | 27        |
| 103 | Consolidation of object recognition memory requires HRI kinaseâ€“dependent phosphorylation of eIF2 $\pm$ in the hippocampus. <i>Hippocampus</i> , 2013, 23, 431-436.  | 1.9 | 26        |
| 104 | Decreased acetylcholine release delays the consolidation of object recognition memory. <i>Behavioural Brain Research</i> , 2013, 238, 62-68.  | 2.2 | 26        |
| 105 | Cross-Frequency Phase-Amplitude Coupling between Hippocampal Theta and Gamma Oscillations during Recall Destabilizes Memory and Renders It Susceptible to Reconsolidation Disruption. <i>Journal of Neuroscience</i> , 2020, 40, 6398-6408.     | 3.6 | 25        |
| 106 | Inhibition of PKC in basolateral amygdala and posterior parietal cortex impairs consolidation of inhibitory avoidance memory. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 80, 63-67.  | 2.9 | 24        |
| 107 | PKM $\zeta$ Inhibition Disrupts Reconsolidation and Erases Object Recognition Memory. <i>Journal of Neuroscience</i> , 2019, 39, 1828-1841.   | 3.6 | 23        |
| 108 | Different Effect of High Fat Diet and Physical Exercise in the Hippocampal Signaling. <i>Neurochemical Research</i> , 2008, 33, 880-885.  | 3.3 | 22        |

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|-----|--|-----|-----------|
| 109 | Histamine reverses a memory deficit induced in rats by early postnatal maternal deprivation. <i>Neurobiology of Learning and Memory</i> , 2012, 97, 54-58.   | 1.9 | 21        |
| 110 | Prior Learning of Relevant Nonaversive Information Is a Boundary Condition for Avoidance Memory Reconsolidation in the Rat Hippocampus. <i>Journal of Neuroscience</i> , 2017, 37, 9675-9685.                            | 3.6 | 21        |
| 111 | Memory retrieval and its lasting consequences. <i>Neurotoxicity Research</i> , 2002, 4, 573-593.   | 2.7 | 20        |
| 112 | Effects of early malnutrition, isolation and seizures on memory and spatial learning in the developing rat. <i>International Journal of Developmental Neuroscience</i> , 2010, 28, 303-307.                              | 1.6 | 20        |
| 113 | Src kinase activity is required for avoidance memory formation and recall. <i>Behavioural Pharmacology</i> , 2003, 14, 649-652.  | 1.7 | 19        |
| 114 | On the requirement of nitric oxide signaling in the amygdala for consolidation of inhibitory avoidance memory. <i>Neurobiology of Learning and Memory</i> , 2009, 91, 266-272.   | 1.9 | 18        |
| 115 | The transition from memory retrieval to extinction. <i>Anais Da Academia Brasileira De Ciencias</i> , 2004, 76, 573-582.   | 0.8 | 17        |
| 116 | Inactivation of the dorsal hippocampus or the medial prefrontal cortex impairs retrieval but has differential effect on spatial memory reconsolidation. <i>Neurobiology of Learning and Memory</i> , 2015, 125, 146-151. | 1.9 | 17        |
| 117 | The Role of the Entorhinal Cortex in Extinction: Influences of Aging. <i>Neural Plasticity</i> , 2008, 2008, 1-8.  | 2.2 | 16        |
| 118 | GluN2B and GluN2A-containing NMDAR are differentially involved in extinction memory destabilization and restabilization during reconsolidation. <i>Scientific Reports</i> , 2021, 11, 186.                               | 3.3 | 16        |
| 119 | Src family tyrosine kinases differentially modulate exocytosis from rat brain nerve terminals. <i>Neurochemistry International</i> , 2006, 49, 80-86.  | 3.8 | 15        |
| 120 | Inhibition of c-Jun N-terminal kinase in the CA1 region of the dorsal hippocampus blocks extinction of inhibitory avoidance memory. <i>Behavioural Pharmacology</i> , 2007, 18, 483-489.                                 | 1.7 | 15        |
| 121 | Nicotine modulates the long-lasting storage of fear memory. <i>Learning and Memory</i> , 2013, 20, 120-124.  | 1.3 | 15        |
| 122 | Maturation Changes in the Subunit Composition of AMPA Receptors and the Functional Consequences of Their Activation in Chicken Forebrain. <i>Developmental Neuroscience</i> , 2007, 29, 232-240.                         | 2.0 | 14        |
| 123 | Recognition memory reconsolidation requires hippocampal Zif268. <i>Scientific Reports</i> , 2019, 9, 16620.  | 3.3 | 14        |
| 124 | Dopamine controls whether new declarative information updates reactivated memories through reconsolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .        | 7.1 | 14        |
| 125 | Reconsolidation and the fate of consolidated memories. <i>Neurotoxicity Research</i> , 2008, 14, 353-358.  | 2.7 | 13        |
| 126 | Experience-dependent decrease in synaptically localized Fra-1. <i>Molecular Brain Research</i> , 2000, 78, 120-130.  | 2.3 | 11        |



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|-----|--|-----|-----------|
| 127 | A arte de esquecer. Estudos Avancados, 2006, 20, 289-296.  | 0.5 | 11        |
| 128 | mTOR inhibition impairs extinction memory reconsolidation. Learning and Memory, 2021, 28, 1-6.   | 1.3 | 10        |
| 129 | Autonomous activity and autophosphorylation of CAMPK-II in rat hippocampal slices: effects of tissue preparation. Journal of Neurochemistry, 2009, 76, 149-154.                            | 3.9 | 9         |
| 130 | Biochemical, behavioural and electrophysiological investigations of brain maturation in chickens. Brain Research Bulletin, 2008, 76, 217-223.  | 3.0 | 8         |
| 131 | The growth of glioblastoma orthotopic xenografts in nude mice is directly correlated with impaired object recognition memory. Physiology and Behavior, 2014, 123, 55-61.                   | 2.1 | 8         |
| 132 | Lithium activates brain phospholipase A2 and improves memory in rats: implications for Alzheimer's disease. European Archives of Psychiatry and Clinical Neuroscience, 2016, 266, 607-618. | 3.2 | 8         |
| 133 | The extinction of conditioned fear: structural and molecular basis and therapeutic use. Revista Brasileira De Psiquiatria, 2007, 29, 80-5.   | 1.7 | 7         |
| 134 | Topiramate diminishes fear memory consolidation and extinguishes conditioned fear in rats. Journal of Psychiatry and Neuroscience, 2011, 36, 250-255.                                      | 2.4 | 5         |
| 135 | Pharmacological Studies of the Molecular Basis of Memory Extinction. Current Neuropharmacology, 2003, 1, 89-98.  | 2.9 | 5         |
| 136 | Optogenetic inactivation of the medial septum impairs long-term object recognition memory formation. Molecular Brain, 2022, 15, .  | 2.6 | 5         |
| 137 | Extinction learning: neurological features, therapeutic applications and the effect of aging. Future Neurology, 2008, 3, 133-140.  | 0.5 | 4         |
| 138 | PERK, mTORC1 and eEF2 interplay during long term potentiation. Journal of Neurochemistry, 2018, 146, 119-121.  | 3.9 | 3         |
| 139 | Reactivation-dependent amnesia for object recognition memory is contingent on hippocampal theta-gamma coupling during recall. Learning and Memory, 2022, 29, 1-6.                          | 1.3 | 3         |
| 140 | Avoidance memory requires CaMKII activity to persist after recall. Molecular Brain, 2021, 14, 167.   | 2.6 | 2         |
| 141 | Participation of CaMKII in Neuronal Plasticity and Memory Formation. ChemInform, 2003, 34, no.   | 0.0 | 0         |
| 142 | Long-term memory persistence. Future Neurology, 2010, 5, 911-917.  | 0.5 | 0         |
| 143 | Multiple Stages of Memory Formation and Persistence. , 2017, , 237-246.  |     | 0         |
| 144 | Persistence of Long-Term Memory Storage: New Insights into its Molecular Signatures in the Hippocampus and Related Structures. , 2012, , 205-213.  |     | 0         |

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|-----|---|-----|-----------|
| 145 | Memory Persistence. , 2012, , 2172-2173.  |     | 0         |
| 146 | Persistence of Long-Term Memory Storage: New Insights into its Molecular Signatures in the Hippocampus and Related Structures. , 2013, , 239-247. |     | 0         |
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