

Sidarta Tg Ribeiro

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

6,994
citations

61984

43
h-index

66911

78
g-index

124
all docs

124
docs citations

124
times ranked

6858
citing authors

#	ARTICLE	IF	CITATIONS
1	LSD, madness and healing: Mystical experiences as possible link between psychosis model and therapy model. <i>Psychological Medicine</i> , 2023, 53, 1151-1165.	4.5	20
2	Low-dose LSD and the stream of thought: Increased Discontinuity of Mind, Deep Thoughts and abstract flow. <i>Psychopharmacology</i> , 2022, 239, 1721-1733.	3.1	9
3	LSD and creativity: Increased novelty and symbolic thinking, decreased utility and convergent thinking. <i>Journal of Psychopharmacology</i> , 2022, 36, 348-359.	4.0	16
4	LSD, afterglow and hangover: Increased episodic memory and verbal fluency, decreased cognitive flexibility. <i>European Neuropsychopharmacology</i> , 2022, 58, 7-19.	0.7	15
5	Nootropic effects of LSD: Behavioral, molecular and computational evidence. <i>Experimental Neurology</i> , 2022, 356, 114148.	4.1	11
6	The entropic tongue: Disorganization of natural language under LSD. <i>Consciousness and Cognition</i> , 2021, 87, 103070.	1.5	20
7	Selective Inhibition of Mirror Invariance for Letters Consolidated by Sleep Doubles Reading Fluency. <i>Current Biology</i> , 2021, 31, 742-752.e8.	3.9	17
8	Cyclic alternation of quiet and active sleep states in the octopus. <i>IScience</i> , 2021, 24, 102223.	4.1	28
9	Hippocampus-retrosplenial cortex interaction is increased during phasic REM and contributes to memory consolidation. <i>Scientific Reports</i> , 2021, 11, 13078.	3.3	23
10	A protocol to examine the learning effects of "multisystem mapping"™ training combined with post-training sleep consolidation in beginning readers. <i>STAR Protocols</i> , 2021, 2, 100712.	1.2	0
11	Nonsemantic word graphs of texts spanning ¼ 4500 years, including pre-literate Amerindian oral narratives. <i>Data in Brief</i> , 2021, 38, 107296.	1.0	0
12	REHAB FUN: an assistive technology in neurological motor disorders rehabilitation of children with cerebral palsy. <i>Neural Computing and Applications</i> , 2020, 32, 10957-10970.	5.6	8
13	Verbal Short-Term Memory Underlies Typical Development of "Thought Organization" Measured as Speech Connectedness. <i>Mind, Brain, and Education</i> , 2020, 14, 51-60.	1.9	12
14	The History of Writing Reflects the Effects of Education on Discourse Structure: Implications for Literacy, Orality, Psychosis and the Axial Age. <i>Trends in Neuroscience and Education</i> , 2020, 21, 100142.	3.1	4
15	Structural differences between REM and non-REM dream reports assessed by graph analysis. <i>PLoS ONE</i> , 2020, 15, e0228903.	2.5	13
16	Dreaming during the Covid-19 pandemic: Computational assessment of dream reports reveals mental suffering related to fear of contagion. <i>PLoS ONE</i> , 2020, 15, e0242903.	2.5	51
17	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0
18	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0

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19	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0
20	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0
21	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0
22	Structural differences between REM and non-REM dream reports assessed by graph analysis. , 2020, 15, e0228903.		0
23	Speech structure links the neural and socio-behavioural correlates of psychotic disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 88, 112-120.	4.8	59
24	Criticality between Cortical States. Physical Review Letters, 2019, 122, 208101.	7.8	159
25	Computational fluid dynamic analysis of physical forces playing a role in brain organoid cultures in two different multiplex platforms. BMC Developmental Biology, 2019, 19, 3.	2.1	31
26	Hippocampal functional organization: A microstructure of the place cell network encoding space. Neurobiology of Learning and Memory, 2019, 161, 122-134.	1.9	9
27	Computational models of memory consolidation and long-term synaptic plasticity during sleep. Neurobiology of Learning and Memory, 2019, 160, 32-47.	1.9	7
28	Whole Organisms or Pure Compounds? Entourage Effect Versus Drug Specificity. , 2018, , 133-149.		8
29	The maturation of speech structure in psychosis is resistant to formal education. NPJ Schizophrenia, 2018, 4, 25.	3.6	33
30	Recording Day and Night: Advice for New Investigators in the Sleep and Memory Field. Handbook of Behavioral Neuroscience, 2018, , 43-62.	0.7	2
31	Non-visual exploration of novel objects increases the levels of plasticity factors in the rat primary visual cortex. PeerJ, 2018, 6, e5678.	2.0	1
32	Memory corticalization triggered by REM sleep: mechanisms of cellular and systems consolidation. Cellular and Molecular Life Sciences, 2018, 75, 3715-3740.	5.4	18
33	Post-class naps boost declarative learning in a naturalistic school setting. Npj Science of Learning, 2018, 3, 14.	2.8	18
34	Coupled variability in primary sensory areas and the hippocampus during spontaneous activity. Scientific Reports, 2017, 7, 46077.	3.3	10
35	The interpretation of dream meaning: Resolving ambiguity using Latent Semantic Analysis in a small corpus of text. Consciousness and Cognition, 2017, 56, 178-187.	1.5	48
36	Short term changes in the proteome of human cerebral organoids induced by 5-MeO-DMT. Scientific Reports, 2017, 7, 12863.	3.3	87

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37	Electrophysiological Evidence That the Retrosplenial Cortex Displays a Strong and Specific Activation Phased with Hippocampal Theta during Paradoxical (REM) Sleep. <i>Journal of Neuroscience</i> , 2017, 37, 8003-8013.	3.6	57
38	Thought disorder measured as random speech structure classifies negative symptoms and schizophrenia diagnosis 6 months in advance. <i>NPJ Schizophrenia</i> , 2017, 3, 18.	3.6	107
39	Dopamine Modulates Delta-Gamma Phase-Amplitude Coupling in the Prefrontal Cortex of Behaving Rats. <i>Frontiers in Neural Circuits</i> , 2017, 11, 29.	2.8	32
40	Reducing the Schizophrenia Stigma: A New Approach Based on Augmented Reality. <i>Computational Intelligence and Neuroscience</i> , 2017, 2017, 1-10.	1.7	35
41	Sleep, Synaptic Plasticity, and Memory. , 2017, , 539-562.		0
42	Novel Virtual Environment for Alternative Treatment of Children with Cerebral Palsy. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-10.	1.7	35
43	Repertoires of Spike Avalanches Are Modulated by Behavior and Novelty. <i>Frontiers in Neural Circuits</i> , 2016, 10, 16.	2.8	14
44	Psychosis and the Control of Lucid Dreaming. <i>Frontiers in Psychology</i> , 2016, 7, 294.	2.1	34
45	Motor Coordination Correlates with Academic Achievement and Cognitive Function in Children. <i>Frontiers in Psychology</i> , 2016, 7, 318.	2.1	66
46	Computational Tracking of Mental Health in Youth: Latin American Contributions to a Low-Cost and Effective Solution for Early Psychiatric Diagnosis. <i>New Directions for Child and Adolescent Development</i> , 2016, 2016, 59-69.	2.2	9
47	Physiology and assessment as low-hanging fruit for education overhaul. <i>Prospects</i> , 2016, 46, 249-264.	2.3	4
48	Object recognition impairment and rescue by a dopamine D2 antagonist in hyperdopaminergic mice. <i>Behavioural Brain Research</i> , 2016, 308, 211-216.	2.2	14
49	A Naturalistic Assessment of the Organization of Children's Memories Predicts Cognitive Functioning and Reading Ability. <i>Mind, Brain, and Education</i> , 2016, 10, 184-195.	1.9	31
50	Automated Speech Analysis for Psychosis Evaluation. <i>Lecture Notes in Computer Science</i> , 2016, , 31-39.	1.3	4
51	Machine Learning Algorithms for Automatic Classification of Marmoset Vocalizations. <i>PLoS ONE</i> , 2016, 11, e0163041.	2.5	30
52	Automated analysis of free speech predicts psychosis onset in high-risk youths. <i>NPJ Schizophrenia</i> , 2015, 1, 15030.	3.6	453
53	The Psychedelic State Induced by Ayahuasca Modulates the Activity and Connectivity of the Default Mode Network. <i>PLoS ONE</i> , 2015, 10, e0118143.	2.5	308
54	Can vocal conditioning trigger a semiotic ratchet in marmosets?. <i>Frontiers in Psychology</i> , 2015, 6, 1519.	2.1	2

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55	Sleep Deprivation and Gene Expression. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 25, 65-90.	1.7	32
56	Long-term use of psychedelic drugs is associated with differences in brain structure and personality in humans. <i>European Neuropsychopharmacology</i> , 2015, 25, 483-492.	0.7	145
57	Experience-dependent upregulation of multiple plasticity factors in the hippocampus during early REM sleep. <i>Neurobiology of Learning and Memory</i> , 2015, 122, 19-27.	1.9	32
58	Synaptic Homeostasis and Restructuring across the Sleep-Wake Cycle. <i>PLoS Computational Biology</i> , 2015, 11, e1004241.	3.2	42
59	D2 dopamine receptor regulation of learning, sleep and plasticity. <i>European Neuropsychopharmacology</i> , 2015, 25, 493-504.	0.7	24
60	Undersampled Critical Branching Processes on Small-World and Random Networks Fail to Reproduce the Statistics of Spike Avalanches. <i>PLoS ONE</i> , 2014, 9, e94992.	2.5	57
61	Mouse Activity across Time Scales: Fractal Scenarios. <i>PLoS ONE</i> , 2014, 9, e105092.	2.5	13
62	Graph analysis of verbal fluency test discriminate between patients with Alzheimer's disease, mild cognitive impairment and normal elderly controls. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 185.	3.4	67
63	An investigation of Hebbian phase sequences as assembly graphs. <i>Frontiers in Neural Circuits</i> , 2014, 8, 34.	2.8	17
64	The onset of data-driven mental archeology. <i>Frontiers in Neuroscience</i> , 2014, 8, 249.	2.8	0
65	Beta2 oscillations (23-30 Hz) in the mouse hippocampus during novel object recognition. <i>European Journal of Neuroscience</i> , 2014, 40, 3693-3703.	2.6	34
66	Naps in school can enhance the duration of declarative memories learned by adolescents. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 103.	2.5	28
67	Neuroscience and education: prime time to build the bridge. <i>Nature Neuroscience</i> , 2014, 17, 497-502.	14.8	137
68	Sleep and school education. <i>Trends in Neuroscience and Education</i> , 2014, 3, 18-23.	3.1	29
69	Increase in hippocampal theta oscillations during spatial decision making. <i>Hippocampus</i> , 2014, 24, 693-702.	1.9	47
70	Graph analysis of dream reports is especially informative about psychosis. <i>Scientific Reports</i> , 2014, 4, 3691.	3.3	95
71	Capacity building: Architects of South American science. <i>Nature</i> , 2014, 510, 209-212.	27.8	6
72	On High-Frequency Field Oscillations (>100 Hz) and the Spectral Leakage of Spiking Activity. <i>Journal of Neuroscience</i> , 2013, 33, 1535-1539.	3.6	116

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73	Long-term decrease in immediate early gene expression after electroconvulsive seizures. <i>Journal of Neural Transmission</i> , 2013, 120, 259-266.	2.8	24
74	Detecting cell assemblies in large neuronal populations. <i>Journal of Neuroscience Methods</i> , 2013, 220, 149-166.	2.5	146
75	Ketamine alters oscillatory coupling in the hippocampus. <i>Scientific Reports</i> , 2013, 3, 2348.	3.3	111
76	Educating to Build Bridges. <i>Mind, Brain, and Education</i> , 2013, 7, 101-103.	1.9	3
77	Dream characteristics in a Brazilian sample: an online survey focusing on lucid dreaming. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 836.	2.0	29
78	Rela�o entre qualidade do sono e fun�es cognitivas em pacientes com doen�a de Parkinson. <i>Universitas Scientiarum</i> , 2013, 18, .	0.4	2
79	Tempo de c�rebro. <i>Estudos Avancados</i> , 2013, 27, 07-22.	0.5	2
80	Theta Phase Modulates Multiple Layer-Specific Oscillations in the CA1 Region. <i>Cerebral Cortex</i> , 2012, 22, 2404-2414.	2.9	125
81	Improvement in physiological and psychological parameters after 6months of yoga practice. <i>Consciousness and Cognition</i> , 2012, 21, 843-850.	1.5	105
82	Seeing with the eyes shut: Neural basis of enhanced imagery following ayahuasca ingestion. <i>Human Brain Mapping</i> , 2012, 33, 2550-2560.	3.6	156
83	Differential roles of the dorsal hippocampal regions in the acquisition of spatial and temporal aspects of episodic-like memory. <i>Behavioural Brain Research</i> , 2012, 232, 269-277.	2.2	64
84	Sleep and plasticity. <i>Pflugers Archiv European Journal of Physiology</i> , 2012, 463, 111-120.	2.8	51
85	Speech Graphs Provide a Quantitative Measure of Thought Disorder in Psychosis. <i>PLoS ONE</i> , 2012, 7, e34928.	2.5	173
86	Noradrenergic Control of Gene Expression and Long-Term Neuronal Adaptation Evoked by Learned Vocalizations in Songbirds. <i>PLoS ONE</i> , 2012, 7, e36276.	2.5	41
87	Neuronal Assembly Detection and Cell Membership Specification by Principal Component Analysis. <i>PLoS ONE</i> , 2011, 6, e20996.	2.5	71
88	Comprehensive Analysis of Tissue Preservation and Recording Quality from Chronic Multielectrode Implants. <i>PLoS ONE</i> , 2011, 6, e27554.	2.5	94
89	Cross-modal responses in the primary visual cortex encode complex objects and correlate with tactile discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15408-15413.	7.1	65
90	Activation of frontal neocortical areas by vocal production in marmosets. <i>Frontiers in Integrative Neuroscience</i> , 2010, 4, .	2.1	36

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91	Spike Avalanches Exhibit Universal Dynamics across the Sleep-Wake Cycle. PLoS ONE, 2010, 5, e14129.	2.5	166
92	On Building Meaning: A Biologically-Inspired Experiment on Symbol-Based Communication. Advances in Experimental Medicine and Biology, 2010, 657, 77-93.	1.6	1
93	Persistent Hyperdopaminergia Decreases the Peak Frequency of Hippocampal Theta Oscillations during Quiet Waking and REM Sleep. PLoS ONE, 2009, 4, e5238.	2.5	19
94	Baseline hippocampal theta oscillation speeds correlate with rate of operant task acquisition. Behavioural Brain Research, 2008, 190, 152-155.	2.2	10
95	Processing of tactile information by the hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18286-18291.	7.1	81
96	Neuronal Activity in the Primary Somatosensory Thalamocortical Loop Is Modulated by Reward Contingency during Tactile Discrimination. Journal of Neuroscience, 2007, 27, 10608-10620.	3.6	52
97	Novel experience induces persistent sleep-dependent plasticity in the cortex but not in the hippocampus. Frontiers in Neuroscience, 2007, 1, 43-55.	2.8	101
98	From theoretical and empirical constraints to synthetic experiments on symbol-based communication. , 2007, , .		0
99	Symbols are not uniquely human. BioSystems, 2007, 90, 263-272.	2.0	29
100	Dopaminergic Control of Sleep-Wake States. Journal of Neuroscience, 2006, 26, 10577-10589.	3.6	262
101	Global Forebrain Dynamics Predict Rat Behavioral States and Their Transitions. Journal of Neuroscience, 2004, 24, 11137-11147.	3.6	272
102	Reverberation, storage, and postsynaptic propagation of memories during sleep. Learning and Memory, 2004, 11, 686-696.	1.3	122
103	Long-Lasting Novelty-Induced Neuronal Reverberation during Slow-Wave Sleep in Multiple Forebrain Areas. PLoS Biology, 2004, 2, e24.	5.6	223
104	Neuronal Reverberation and the Consolidation of New Memories across the Wake-Sleep Cycle. , 2004, , 196-218.		0
105	Light-induced Egr-1 expression in the striate cortex of the opossum. Brain Research Bulletin, 2003, 61, 139-146.	3.0	12
106	Recent Evidence of Memory Processing in Sleep. , 2003, , 327-362.		9
107	Induction of Hippocampal Long-Term Potentiation during Waking Leads to Increased Extrahippocampal <i>c-fos</i> Expression during Ensuing Rapid-Eye-Movement Sleep. Journal of Neuroscience, 2002, 22, 10914-10923.	3.6	231
108	Multielectrode recordings: the next steps. Current Opinion in Neurobiology, 2002, 12, 602-606.	4.2	111

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109	Behaviourally driven gene expression reveals song nuclei in hummingbird brain. <i>Nature</i> , 2000, 406, 628-632.	27.8	279
110	Gene Expression and Synaptic Plasticity in the Auditory Forebrain of Songbirds. <i>Learning and Memory</i> , 2000, 7, 235-243.	1.3	38
111	Brain Gene Expression During REM Sleep Depends on Prior Waking Experience. <i>Learning and Memory</i> , 1999, 6, 500-508.	1.3	201
112	An automated system for the mapping and quantitative analysis of immunocytochemistry of an inducible nuclear protein. <i>Journal of Neuroscience Methods</i> , 1999, 87, 147-158.	2.5	9
113	ZENK protein regulation by song in the brain of songbirds. <i>Journal of Comparative Neurology</i> , 1998, 393, 426-438.	1.6	209
114	Noradrenergic system of the zebra finch brain: Immunocytochemical study of dopamine- β -hydroxylase. <i>Journal of Comparative Neurology</i> , 1998, 400, 207-228.	1.6	119
115	Toward a Song Code. <i>Neuron</i> , 1998, 21, 359-371.	8.1	173
116	Brain gene regulation by territorial singing behavior in freely ranging songbirds. <i>NeuroReport</i> , 1997, 8, 2073-2077.	1.2	57
117	Experiências místicas no uso de diversos psicodélicos: análise de um Survey Online. , 0, , .		0