Sergio E Lew

List of Publications by Year
in descending order

23 papers	592 citations	933447 10 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1102 citing authors

#	Article	IF	Citations
1	A big-world network in ASD: Dynamical connectivity analysis reflects a deficit in long-range connections and an excess of short-range connections. Neuropsychologia, 2011, 49, 254-263.	1.6	266
2	State-dependent changes of connectivity patterns and functional brain network topology in autism spectrum disorder. Neuropsychologia, 2012, 50, 3653-3662.	1.6	66
3	Differential representation of sunflower ESTs in enriched organ-specific cDNA libraries in a small scale sequencing project. BMC Genomics, 2003, 4, 40.	2.8	38
4	Plasticity in the Rat Prefrontal Cortex: Linking Gene Expression and an Operant Learning with a Computational Theory. PLoS ONE, 2010, 5, e8656.	2.5	32
5	Dopamine Modulation of GABAergic Function Enables Network Stability and Input Selectivity for Sustaining Working Memory in a Computational Model of the Prefrontal Cortex. Neuropsychopharmacology, 2014, 39, 3067-3076.	5.4	27
6	Spontaneous Fluctuations in Visual Cortical Responses Influence Population Coding Accuracy. Cerebral Cortex, 2017, 27, 1409-1427.	2.9	27
7	Seizure localization using pre ictal phase-amplitude coupling in intracranial electroencephalography. Scientific Reports, 2019, 9, 20022.	3.3	23
8	Cortical response states for enhanced sensory discrimination. ELife, 2017, 6, .	6.0	21
9	Development of a Multilocus Sequence Typing scheme for the study of Anaplasma marginale population structure over space and time. Infection, Genetics and Evolution, 2015, 30, 186-194.	2.3	13
10	Putative dopamine neurons in the ventral tegmental area enhance information coding in the prefrontal cortex. Scientific Reports, 2018, 8, 11740.	3.3	13
11	Consistent Gradient of Performance and Decoding of Stimulus Type and Valence From Local and Network Activity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 619-629.	4.9	11
12	Differences in prefrontal and motor structures learning dynamics depend on task complexity: A neural network model. Neurocomputing, 2008, 71, 2782-2793.	5.9	8
13	High mutual cooperation rates in rats learning reciprocal altruism: The role of payoff matrix. PLoS ONE, 2019, 14, e0204837.	2.5	8
14	The Phosphatase CSW Controls Life Span by Insulin Signaling and Metabolism Throughout Adult Life in Drosophila. Frontiers in Genetics, 2020, 11, 364.	2.3	8
15	A polydimethylsiloxane-based axicon lens for focused ultrasonic brain stimulation techniques. Acoustical Science and Technology, 2019, 40, 116-126.	0.5	7
16	A Computational Theory for the Learning of Equivalence Relations. Frontiers in Human Neuroscience, 2011, 5, 113.	2.0	6
17	Rapid Prototyping of Pyramidal Structured Absorbers for Ultrasound. Open Journal of Acoustics, 2017, 07, 83-93.	0.3	6
18	Ultrasound Axicon: Systematic Approach to Optimize Focusing Resolution through Human Skull Bone. Materials, 2019, 12, 3433.	2.9	4

#	Article	IF	Citations
19	Efficient enhancement of information in the prefrontal cortex during the presence of reward predicting stimuli. PLoS ONE, 2017, 12, e0188579.	2.5	2
20	Repeating or spacing learning sessions are strategies for memory improvement with shared molecular and neuronal components. Neurobiology of Learning and Memory, 2020, 172, 107233.	1.9	2
21	A wavelet approach for on-line spike sorting in tetrode recordings. , 2010, 2010, 6662-5.		1
22	San Telmo: Being a Tourist in My Own City. IEEE Pulse, 2010, 1, 17-18.	0.3	1
23	A spherical treadmill system to train head-fixed adult rats. Journal of Neuroscience Methods, 2018, 297, 22-30.	2.5	1