Stanley E Lazic

List of Publications by Year
in descending order

Version: 2024-02-01

53 papers	6,780 citations	236925 25 h-index	182427 51 g-index
67 all docs	67 docs citations	67 times ranked	10569 citing authors

#	Article	IF	Citations
1	Genuine replication and pseudoreplication. Nature Reviews Methods Primers, 2022, 2, .	21.2	3
2	Tumor genomic, transcriptomic, and immune profiling characterizes differential response to firstâ€line platinum chemotherapy in high grade serous ovarian cancer. Cancer Medicine, 2021, 10, 3045-3058.	2.8	11
3	Quantifying sources of uncertainty in drug discovery predictions with probabilistic models. Artificial Intelligence in the Life Sciences, 2021, 1, 100004.	2.2	2
4	Predicting Drug-Induced Liver Injury with Bayesian Machine Learning. Chemical Research in Toxicology, 2020, 33, 239-248.	3.3	69
5	The ARRIVE guidelines 2.0: Updated guidelines for reporting animal research. PLoS Biology, 2020, 18, e3000410.	5.6	2,209
6	Reporting animal research: Explanation and elaboration for the ARRIVE guidelines 2.0. PLoS Biology, 2020, 18, e3000411.	5.6	1,069
7	Determining organ weight toxicity with Bayesian causal models: Improving on the analysis of relative organ weights. Scientific Reports, 2020, 10, 6625.	3.3	39
8	A Bayesian neural network for toxicity prediction. Computational Toxicology, 2020, 16, 100133.	3.3	29
9	A Bayesian predictive approach for dealing with pseudoreplication. Scientific Reports, 2020, 10, 2366.	3.3	27
10	A multi-batch design to deliver robust estimates of efficacy and reduce animal use â€“ a syngeneic tumour case study. Scientific Reports, 2020, 10, 6178.	3.3	20
11	Improving drug safety predictions by reducing poor analytical practices. Toxicology Research and Application, 2020, 4, 239784732097863.	0.6	2
12	Integrated in vitro models for hepatic safety and metabolism: evaluation of a human Liver-Chip and liver spheroid. Archives of Toxicology, 2019, 93, 1021-1037.	4.2	77
13	Conclusions from a behavioral aging study on male and female F2 hybrid mice on age-related behavior, buoyancy in water-based tests, and an ethical method to assess lifespan. Aging, 2019, 11, 7150-7168.	3.1	9
14	Four simple ways to increase power without increasing the sample size. Laboratory Animals, 2018, 52, 621-629.	1.0	36
15	Predicting Drug Safety and Communicating Risk: Benefits of a Bayesian Approach. Toxicological Sciences, 2018, 162, 89-98.	3.1	28
16	Training in experimental design and statistics is essential: Response to Jordan. PLoS Biology, 2018, 16, e3000022.	5.6	1
17	What exactly is â€˜Nâ€™ in cell culture and animal experiments?. PLoS Biology, 2018, 16, e2005282.	5.6	154
18	An Analysis of the Relationship Between Preclinical and Clinical QT Interval-Related Data. Toxicological Sciences, 2017, 159, 94-101.	3.1	44

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19	An open-label study to assess the feasibility and tolerability of rilmenidine for the treatment of Huntingtonâ€™s disease. Journal of Neurology, 2017, 264, 2457-2463.	3.6	21
20	Largeâ€scale phenotyping links adult hippocampal neurogenesis to the reaction to novelty. Hippocampus, 2016, 26, 646-657.	1.9	21
21	Sleep deficits but no metabolic deficits in premanifest <scp>H</scp>untington's disease. Annals of Neurology, 2015, 78, 630-648.	5.3	95
22	Analytical strategies for the marble burying test: avoiding impossible predictions and invalid p-values. BMC Research Notes, 2015, 8, 141.	1.4	22
23	Chronic early life stress alters developmental and adult neurogenesis and impairs cognitive function in mice. Hippocampus, 2015, 25, 309-328.	1.9	232
24	Ranking, selecting, and prioritising genes with desirability functions. PeerJ, 2015, 3, e1444.	2.0	11
25	Quantifying the Behavioural Relevance of Hippocampal Neurogenesis. PLoS ONE, 2014, 9, e113855.	2.5	18
26	Trio study and meta-analysis support the association of genetic variation at the serotonin transporter with early-onset obsessiveâ€“compulsive disorder. Neuroscience Letters, 2014, 580, 100-103.	2.1	39
27	A retrospective analysis of hand tapping as a longitudinal marker of disease progression in Huntingtonâ€™s disease. BMC Neurology, 2014, 14, 35.	1.8	4
28	Improving basic and translational science by accounting for litter-to-litter variation in animal models. BMC Neuroscience, 2013, 14, 37.	1.9	190
29	Comment on "Stress in Puberty Unmasks Latent Neuropathological Consequences of Prenatal Immune Activation in Mice". Science, 2013, 340, 811-811.	12.6	12
30	The hippocampus of the eastern rock sengi: cytoarchitecture, markers of neuronal function, principal cell numbers, and adult neurogenesis. Frontiers in Neuroanatomy, 2013, 7, 34.	1.7	23
31	Expression Profiles of Metabolic Enzymes and Drug Transporters in the Liver and along the Intestine of Beagle Dogs. Drug Metabolism and Disposition, 2012, 40, 1603-1611.	3.3	30
32	Using causal models to distinguish between neurogenesis-dependent and -independent effects on behaviour. Journal of the Royal Society Interface, 2012, 9, 907-917.	3.4	26
33	Modeling hippocampal neurogenesis across the lifespan in seven species. Neurobiology of Aging, 2012, 33, 1664-1671.	3.1	39
34	A call for transparent reporting to optimize the predictive value of preclinical research. Nature, 2012, 490, 187-191.	27.8	1,055
35	Translational neuroscience requires better design and analysis of preclinical studies. Nature Precedings, 2012, , .	0.1	0
36	Using causal models to distinguish between neurogenesis-dependent and -independent effects on behaviour. Nature Precedings, 2012, , .	0.1	0

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37	Transcriptional Profiling of Human Brain Endothelial Cells Reveals Key Properties Crucial for Predictive In Vitro Blood-Brain Barrier Models. PLoS ONE, 2012, 7, e38149.	2.5	171
38	Common and Overlapping Oncogenic Pathways Contribute to the Evolution of Acute Myeloid Leukemias. Cancer Research, 2011, 71, 4117-4129.	0.9	55
39	The problem of pseudoreplication in neuroscientific studies: is it affecting your analysis?. BMC Neuroscience, 2010, 11, 5.	1.9	234
40	Relating hippocampal neurogenesis to behavior: the dangers of ignoring confounding variables. Neurobiology of Aging, 2010, 31, 2169-2171.	3.1	24
41	Statistical evaluation of methods for quantifying gene expression by autoradiography in histological sections. BMC Neuroscience, 2009, 10, 5.	1.9	18
42	Visualising disease progression on multiple variables with vector plots and path plots. BMC Medical Research Methodology, 2009, 9, 32.	3.1	4
43	Graft outcomes influenced by coâ€expression of Pax7 in graft and host tissue. Journal of Anatomy, 2009, 214, 396-405.	1.5	4
44	Why we should use simpler models if the data allow this: relevance for ANOVA designs in experimental biology. BMC Physiology, 2008, 8, 16.	3.6	52
45	Polysomnographic and quantitative EEG analysis of subjects with long-term insomnia complaints associated with mild traumatic brain injury. Clinical Neurophysiology, 2008, 119, 429-438.	1.5	72
46	Cancer stem cell patents. Expert Opinion on Therapeutic Patents, 2008, 18, 1405-1416.	5.0	0
47	Lack of efficacy of music to improve sleep: A polysomnographic and quantitative EEG analysis. International Journal of Psychophysiology, 2007, 63, 232-239.	1.0	52
48	Olfactory abnormalities in Huntingtonâ€™s disease: Decreased plasticity in the primary olfactory cortex of R6/1 transgenic mice and reduced olfactory discrimination in patients. Brain Research, 2007, 1151, 219-226.	2.2	62
49	Neurogenesis in the R6/1 transgenic mouse model of Huntington's disease: effects of environmental enrichment. European Journal of Neuroscience, 2006, 23, 1829-1838.	2.6	151
50	Cell-based therapies for disorders of the CNS. Expert Opinion on Therapeutic Patents, 2005, 15, 1361-1376.	5.0	3
51	Rapid decline in motor symptoms in HD neural transplant patients prior to surgery. Brain Research Bulletin, 2004, 63, 83-84.	3.0	3
52	Decreased hippocampal cell proliferation in R6/1 Huntingtonâ€™s mice. NeuroReport, 2004, 15, 811-813.	1.2	142
53	The Future of Cell-Based Transplantation Therapies for Neurodegenerative Disorders. Journal of Hematotherapy and Stem Cell Research, 2003, 12, 635-642.	1.8	24