

Dmitri Volfson

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,954
citations

279798

23
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

4189
citing authors

#	ARTICLE	IF	CITATIONS
1	Voice Biomarkers of Recovery From Acute Respiratory Illness. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2787-2795.	6.3	5
2	Continuous gait monitoring discriminates community-dwelling mild Alzheimer's disease from cognitively normal controls. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021, 7, e12131.	3.7	14
3	The Effects of a Novel Non-catechol Dopamine Partial Agonist on Working Memory in the Aged Rhesus Monkey. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 757850.	3.4	0
4	Characterization of PF-6142, a Novel, Non-Catecholamine Dopamine Receptor D1 Agonist, in Murine and Nonhuman Primate Models of Dopaminergic Activation. <i>Frontiers in Pharmacology</i> , 2020, 11, 1005.	3.5	18
5	Development of digital biomarkers for resting tremor and bradykinesia using a wrist-worn wearable device. <i>Npj Digital Medicine</i> , 2020, 3, 5.	10.9	78
6	Automated Sleep Stage Scoring Using k-Nearest Neighbors Classifier. <i>Journal of Open Source Software</i> , 2020, 5, 2377.	4.6	3
7	Postmortem transcriptional profiling reveals widespread increase in inflammation in schizophrenia: a comparison of prefrontal cortex, striatum, and hippocampus among matched tetrads of controls with subjects diagnosed with schizophrenia, bipolar or major depressive disorder. <i>Translational Psychiatry</i> , 2019, 9, 151.	4.8	127
8	Pharmacological evaluation of clinically relevant concentrations of (2R,6R)-hydroxynorketamine. <i>Neuropharmacology</i> , 2019, 153, 73-81.	4.1	24
9	Impaired β -arrestin recruitment and reduced desensitization by non-catechol agonists of the D1 dopamine receptor. <i>Nature Communications</i> , 2018, 9, 674.	12.8	70
10	Abnormal clotting of the intrinsic/contact pathway in Alzheimer disease patients is related to cognitive ability. <i>Blood Advances</i> , 2018, 2, 954-963.	5.2	33
11	The histamine skin prick test. <i>Annals of Allergy, Asthma and Immunology</i> , 2016, 117, 433-435.	1.0	0
12	Passive immunotherapy targeting amyloid- β reduces cerebral amyloid angiopathy and improves vascular reactivity. <i>Brain</i> , 2016, 139, 563-577.	7.6	51
13	STEP Levels Are Unchanged in Pre-Frontal Cortex and Associative Striatum in Post-Mortem Human Brain Samples from Subjects with Schizophrenia, Bipolar Disorder and Major Depressive Disorder. <i>PLoS ONE</i> , 2015, 10, e0121744.	2.5	50
14	P4-315: Evaluating amyloid-beta processing using novel gamma-secretase modulators in preclinical animal models. , 2015, 11, P905-P905.		0
15	Evaluation of TrkB and BDNF transcripts in prefrontal cortex, hippocampus, and striatum from subjects with schizophrenia, bipolar disorder, and major depressive disorder. <i>Neurobiology of Disease</i> , 2015, 77, 220-227.	4.4	115
16	Axonal Charcot-Marie-Tooth disease patient-derived motor neurons demonstrate disease-specific phenotypes including abnormal electrophysiological properties. <i>Experimental Neurology</i> , 2015, 263, 190-199.	4.1	97
17	P4-234: IMPROVED VASCULAR REACTIVITY AND REDUCED CEREBRAL AMYLOID ANGIOPATHY FOLLOWING PASSIVE IMMUNOTHERAPY IN TRANSGENIC MICE. , 2014, 10, P872-P872.		0
18	A cellular model for sporadic ALS using patient-derived induced pluripotent stem cells. <i>Molecular and Cellular Neurosciences</i> , 2013, 56, 355-364.	2.2	252

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19	Neurophysiological signals as potential translatable biomarkers for modulation of metabotropic glutamate 5 receptors. <i>Neuropharmacology</i> , 2013, 75, 19-30.	4.1	20
20	Computationally efficient permutation-based confidence interval estimation for tail-area FDR. <i>Frontiers in Genetics</i> , 2013, 4, 179.	2.3	19
21	In-Silico Patterning of Vascular Mesenchymal Cells in Three Dimensions. <i>PLoS ONE</i> , 2011, 6, e20182.	2.5	9
22	Effect of noise on solid-to-liquid transition in small granular systems under shear. <i>Physical Review E</i> , 2009, 80, 041305.	2.1	11
23	Biomechanical ordering of dense cell populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15346-15351.	7.1	259
24	Swarming and Swirling in Self-Propelled Polar Granular Rods. <i>Physical Review Letters</i> , 2008, 100, 058001.	7.8	319
25	Swirling motion in a system of vibrated elongated particles. <i>Physical Review E</i> , 2007, 75, 051301.	2.1	71
26	Transient Dynamics of Genetic Regulatory Networks. <i>Biophysical Journal</i> , 2007, 92, 3501-3512.	0.5	64
27	Monitoring dynamics of single-cell gene expression over multiple cell cycles. , 2006, , .		3
28	Origins of extrinsic variability in eukaryotic gene expression. <i>Nature</i> , 2006, 439, 861-864.	27.8	263
29	Thermal collapse of a granular gas under gravity. <i>Physical Review E</i> , 2006, 73, 061305.	2.1	26
30	Delay-induced stochastic oscillations in gene regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14593-14598.	7.1	498
31	Monitoring dynamics of single-cell gene expression over multiple cell cycles. <i>Molecular Systems Biology</i> , 2005, 1, 2005.0024.	7.2	83
32	Cellular growth and division in the Gillespie algorithm. <i>IET Systems Biology</i> , 2004, 1, 121-128.	2.0	94
33	Anisotropy-driven dynamics in vibrated granular rods. <i>Physical Review E</i> , 2004, 70, 051312.	2.1	59
34	Stick-slip dynamics of a granular layer under shear. <i>Physical Review E</i> , 2004, 69, 031302.	2.1	33
35	Order Parameter Description of Stationary Partially Fluidized Shear Granular Flows. <i>Physical Review Letters</i> , 2003, 90, 254301.	7.8	61
36	Partially fluidized shear granular flows: Continuum theory and molecular dynamics simulations. <i>Physical Review E</i> , 2003, 68, 021301.	2.1	93

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37	Flow induced by a randomly vibrating boundary. <i>Journal of Fluid Mechanics</i> , 2001, 432, 387-408.	3.4	25
38	Morphological stability analysis of directional solidification into an oscillatory fluid layer. <i>Physics of Fluids</i> , 2001, 13, 3599-3609.	4.0	7