

# Michail D Vrettas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5008139/publications.pdf>

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268  
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#	ARTICLE	IF	CITATIONS
1	The docking of synaptic vesicles on the presynaptic membrane induced by $\hat{\alpha}$ -synuclein is modulated by lipid composition. <i>Nature Communications</i> , 2021, 12, 927.	12.8	63
2	Toward a new parameterization of hydraulic conductivity in climate models: Simulation of rapid groundwater fluctuations in Northern California. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 2105-2135.	3.8	37
3	Variational mean-field algorithm for efficient inference in large systems of stochastic differential equations. <i>Physical Review E</i> , 2015, 91, 012148.	2.1	15
4	Estimating parameters in stochastic systems: A variational Bayesian approach. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 1877-1900.	2.8	14
5	Sensitivity of transpiration to subsurface properties: Exploration with a 1D model. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 1030-1045.	3.8	13
6	Quantifying Simulator Discrepancy in Discrete-Time Dynamical Simulators. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2011, 16, 554-570.	1.4	12
7	A new variational radial basis function approximation for inference in multivariate diffusions. <i>Neurocomputing</i> , 2010, 73, 1186-1198.	5.9	4