

# Eder Zavala

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5013469/publications.pdf>

Version: 2024-02-01

19  
papers

230  
citations

1307594

7  
h-index

1125743

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical Modelling of Endocrine Systems. Trends in Endocrinology and Metabolism, 2019, 30, 244-257.	7.1	66
2	Dynamic responses of the adrenal steroidogenic regulatory network. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6466-E6474.	7.1	50
3	Wearable technology and systems modeling for personalized chronotherapy. Current Opinion in Systems Biology, 2020, 21, 9-15.	2.6	29
4	Dynamic Hormone Control of Stress and Fertility. Frontiers in Physiology, 2020, 11, 598845.	2.8	22
5	Delays Induce Novel Stochastic Effects in Negative Feedback Gene Circuits. Biophysical Journal, 2014, 106, 467-478.	0.5	20
6	Are emotional states based in the brain? A critique of affective brainocentrism from a physiological perspective. Biology and Philosophy, 2019, 34, 45.	1.4	15
7	Modelling the dynamic interaction of systemic inflammation and the hypothalamic-pituitary-adrenal (HPA) axis during and after cardiac surgery. Journal of the Royal Society Interface, 2022, 19, 20210925.	3.4	9
8	Misaligned hormonal rhythmicity: Mechanisms of origin and their clinical significance. Journal of Neuroendocrinology, 2022, 34, e13144.	2.6	5
9	The Long and Viscous Road: Uncovering Nuclear Diffusion Barriers in Closed Mitosis. PLoS Computational Biology, 2014, 10, e1003725.	3.2	3
10	Synthesis and Study of Nanostructures Via Microwave Heating. Materials Research Society Symposia Proceedings, 2004, 821, 117.	0.1	2
11	An Analysis of Overall Network Architecture Reveals an Infinite-period Bifurcation Underlying Oscillation Arrest in the Segmentation Clock. Mathematical Modelling of Natural Phenomena, 2012, 7, 95-106.	2.4	2
12	Modelling Hydrocortisone Pharmacokinetics on a Subcutaneous Pulsatile Infusion Replacement Strategy in Patients with Adrenocortical Insufficiency. Pharmaceutics, 2021, 13, 769.	4.5	2
13	Analysis of wearable time series data in endocrine and metabolic research. Current Opinion in Endocrine and Metabolic Research, 2022, , 100380.	1.4	1
14	Stochastic Discrete Effects in a Simple Gene Circuit with Delayed Negative Feedback. Biophysical Journal, 2014, 106, 376a.	0.5	0
15	ULTRADIAN adrenal steroid metabolodynamics successfully discriminates pituitary Cushing's disease from healthy normal variation. Endocrine Abstracts, 0, , .	0.0	0
16	The ULTRADIAN consortium - Ambulatory in vivo micro dialysis in primary adrenal insufficiency, preliminary data. Endocrine Abstracts, 0, , .	0.0	0
17	24-hour dynamics of free tissue adrenal hormones: A description of healthy normal variation. Endocrine Abstracts, 0, , .	0.0	0
18	Modelling changes in the control, secretion and metabolism of cortisol during and after heart surgery. Endocrine Abstracts, 0, , .	0.0	0

#	ARTICLE	IF	CITATIONS
19	SOMiMS - Topographic Mapping in the Model Space. Lecture Notes in Computer Science, 2021, , 502-510.	1.3	0