Aneta Koseska

List of Publications by Year
in descending order

20 papers	1,108 citations	687363 13 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	919 citing authors

#	Article	IF	Citations
1	Robustness and timing of cellular differentiation through population-based symmetry breaking. Development (Cambridge), 2021, 148, .	2.5	16
2	A self-organized synthetic morphogenic liposome responds with shape changes to local light cues. Nature Communications, 2021, 12, 1548.	12.8	9
3	Cell-cell communication through FGF4 generates and maintains robust proportions of differentiated cell types in embryonic stem cells. Development (Cambridge), 2021, 148, .	2.5	22
4	Processing Temporal Growth Factor Patterns by an Epidermal Growth Factor Receptor Network Dynamically Established in Space. Annual Review of Cell and Developmental Biology, 2020, 36, 359-383.	9.4	24
5	Organization at criticality enables processing of timeâ€varying signals by receptor networks. Molecular Systems Biology, 2020, 16, e8870.	7.2	13
6	Stochastic switching in systems with rare and hidden attractors. European Physical Journal: Special Topics, 2018, 227, 747-756.	2.6	4
7	Interdependence between EGFR and Phosphatases Spatially Established by Vesicular Dynamics Generates a Growth Factor Sensing and Responding Network. Cell Systems, 2018, 7, 295-309.e11.	6.2	38
8	Cell signaling as a cognitive process. EMBO Journal, 2017, 36, 568-582.	7.8	73
9	Restoration of rhythmicity in diffusively coupled dynamical networks. Nature Communications, 2015, 6, 7709.	12.8	131
10	Transition from Amplitude to Oscillation Death via Turing Bifurcation. Physical Review Letters, 2013, 111, 024103.	7.8	149
11	Oscillation quenching mechanisms: Amplitude vs. oscillation death. Physics Reports, 2013, 531, 173-199.	25.6	340
12	Generalizing the transition from amplitude to oscillation death in coupled oscillators. Physical Review E, 2013, 88, 050901.	2.1	54
13	Data-driven reconstruction of directed networks. European Physical Journal B, 2013, 86, 1.	1.5	10
14	Genome-Wide Identification of Regulatory Elements and Reconstruction of Gene Regulatory Networks of the Green Alga Chlamydomonas reinhardtii under Carbon Deprivation. PLoS ONE, 2013, 8, e79909.	2.5	14
15	Unraveling gene regulatory networks from time-resolved gene expression data -- a measures comparison study. BMC Bioinformatics, 2011, 12, 292.	2.6	40
16	Spatiotemporal dynamics of the Calvin cycle: Multistationarity and symmetry breaking instabilities. BioSystems, 2011, 103, 212-223.	2.0	22
17	Timing Cellular Decision Making Under Noise via Cellâ€“Cell Communication. PLoS ONE, 2009, 4, e4872.	2.5	47
18	Dynamics of Multicellular Synthetic Gene Networks. World Scientific Lecture Notes in Complex Systems, 2009, , 33-58.	0.1	1

#	Article	IF	Citations
19	Multistability of synthetic genetic networks with repressive cell-to-cell communication. Physical Review E, 2008, 78, 031904.	2.1	84
20	Cells use molecular working memory to navigate in changing chemoattractant fields. ELife, 0, 11, .	6.0	10