

Erzsébet Ravasz Regan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

10,288
citations

279487

23
h-index

454577

30
g-index

36
all docs

36
docs citations

36
times ranked

11211
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Organization of Modularity in Metabolic Networks. <i>Science</i> , 2002, 297, 1551-1555.	6.0	3,764
2	Evolution of the social network of scientific collaborations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 311, 590-614.	1.2	1,999
3	Hierarchical organization in complex networks. <i>Physical Review E</i> , 2003, 67, 026112.	0.8	1,604
4	Experimental Determination and System Level Analysis of Essential Genes in <i>Escherichia coli</i> MG1655. <i>Journal of Bacteriology</i> , 2003, 185, 5673-5684.	1.0	678
5	The sound of many hands clapping. <i>Nature</i> , 2000, 403, 849-850.	13.7	596
6	Deterministic scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 299, 559-564.	1.2	381
7	Physics of the rhythmic applause. <i>Physical Review E</i> , 2000, 61, 6987-6992.	0.8	196
8	AKT1 and MYC Induce Distinctive Metabolic Fingerprints in Human Prostate Cancer. <i>Cancer Research</i> , 2014, 74, 7198-7204.	0.4	124
9	Combined Toxicity of Insecticides and Fungicides Applied to California Almond Orchards to Honey Bee Larvae and Adults. <i>Insects</i> , 2019, 10, 20.	1.0	99
10	Dynamical Systems Approach to Endothelial Heterogeneity. <i>Circulation Research</i> , 2012, 111, 110-130.	2.0	86
11	A role of stochastic phenotype switching in generating mosaic endothelial cell heterogeneity. <i>Nature Communications</i> , 2016, 7, 10160.	5.8	81
12	Networks in life: scaling properties and eigenvalue spectra. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 25-34.	1.2	79
13	FOXO1-Mediated Activation of Akt Plays a Critical Role in Vascular Homeostasis. <i>Circulation Research</i> , 2014, 115, 238-251.	2.0	77
14	Scale-Free and Hierarchical Structures in Complex Networks. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	68
15	Detecting Hierarchical Modularity in Biological Networks. <i>Methods in Molecular Biology</i> , 2009, 541, 145-160.	0.4	44
16	Time to Decide? Dynamical Analysis Predicts Partial Tip/Stalk Patterning States Arise during Angiogenesis. <i>PLoS ONE</i> , 2016, 11, e0166489.	1.1	43
17	Vascular bed-specific regulation of the von Willebrand factor promoter in the heart and skeletal muscle. <i>Blood</i> , 2011, 117, 342-351.	0.6	41
18	Intracellular RIG-I Signaling Regulates TLR4-Independent Endothelial Inflammatory Responses to Endotoxin. <i>Journal of Immunology</i> , 2016, 196, 4681-4691.	0.4	41

#	ARTICLE	IF	CITATIONS
19	Boolean model of growth signaling, cell cycle and apoptosis predicts the molecular mechanism of aberrant cell cycle progression driven by hyperactive PI3K. PLoS Computational Biology, 2019, 15, e1006402.	1.5	41
20	The flow dependency of Tie2 expression in endotoxemia. Intensive Care Medicine, 2013, 39, 1262-1271.	3.9	39
21	Principles of dynamical modularity in biological regulatory networks. Scientific Reports, 2016, 6, 21957.	1.6	33
22	Do Endothelial Cells Dream of Eclectic Shape?. Developmental Cell, 2014, 29, 146-158.	3.1	26
23	Differential roles for ETS, CREB, and EGR binding sites in mediating VEGF receptor 1 expression in vivo. Blood, 2009, 114, 5557-5566.	0.6	25
24	Hierarchical Organization of Modularity in Complex Networks. Lecture Notes in Physics, 2003, , 46-65.	0.3	22
25	Community detection by graph Voronoi diagrams. New Journal of Physics, 2014, 16, 063007.	1.2	22
26	A feedback loop of conditionally stable circuits drives the cell cycle from checkpoint to checkpoint. Scientific Reports, 2019, 9, 16430.	1.6	22
27	Active perception during angiogenesis: filopodia speed up Notch selection of tip cells <i>in silico</i> and <i>in vivo</i> . Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190753.	1.8	22
28	Boolean model of anchorage dependence and contact inhibition points to coordinated inhibition but semi-independent induction of proliferation and migration. Computational and Structural Biotechnology Journal, 2020, 18, 2145-2165.	1.9	15
29	Spatial stochastic resonance in one-dimensional Ising systems. Physical Review E, 1999, 60, R3463-R3466.	0.8	10
30	Expression of the Robo4 receptor in endothelial cells is regulated by two AP-1 protein complexes. Biochemical and Biophysical Research Communications, 2015, 467, 987-991.	1.0	8
31	Networks: Structure and Dynamics. , 2009, , 6048-6066.		1
32	Hierarchical modularity in biological networks: the case of metabolic networks. , 0, , 117-134.		0
33	Stochastic phenotypic switching in endothelial cell heterogeneity. , 2020, , 361-401.		0
34	The Metabolic Fingerprints of Prostate Cancer. FASEB Journal, 2013, 27, 471.9.	0.2	0