

# 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	Active perception during angiogenesis: filopodia speed up Notch selection of tip cells <i>in silico</i> and</i> in vivo </i>. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190753.	1.8	22
2	Boolean model of anchorage dependence and contact inhibition points to coordinated inhibition but semi-independent induction of proliferation and migration. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2145-2165.	1.9	15
3	Stochastic phenotypic switching in endothelial cell heterogeneity. , 2020, , 361-401.		0
4	A feedback loop of conditionally stable circuits drives the cell cycle from checkpoint to checkpoint. <i>Scientific Reports</i> , 2019, 9, 16430.	1.6	22
5	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
6	Boolean model of growth signaling, cell cycle and apoptosis predicts the molecular mechanism of aberrant cell cycle progression driven by hyperactive PI3K. <i>PLoS Computational Biology</i> , 2019, 15, e1006402.	1.5	41
7	Time to Decide? Dynamical Analysis Predicts Partial Tip/Stalk Patterning States Arise during Angiogenesis. <i>PLoS ONE</i> , 2016, 11, e0166489.	1.1	43
8	Intracellular RIG-I Signaling Regulates TLR4-Independent Endothelial Inflammatory Responses to Endotoxin. <i>Journal of Immunology</i> , 2016, 196, 4681-4691.	0.4	41
9	Principles of dynamical modularity in biological regulatory networks. <i>Scientific Reports</i> , 2016, 6, 21957.	1.6	33
10	A role of stochastic phenotype switching in generating mosaic endothelial cell heterogeneity. <i>Nature Communications</i> , 2016, 7, 10160.	5.8	81
11	Expression of the Robo4 receptor in endothelial cells is regulated by two AP-1 protein complexes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 987-991.	1.0	8
12	AKT1 and MYC Induce Distinctive Metabolic Fingerprints in Human Prostate Cancer. <i>Cancer Research</i> , 2014, 74, 7198-7204.	0.4	124
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	Community detection by graph Voronoi diagrams. <i>New Journal of Physics</i> , 2014, 16, 063007.	1.2	22
15	Do Endothelial Cells Dream of Eclectic Shape?. <i>Developmental Cell</i> , 2014, 29, 146-158.	3.1	26
16	The flow dependency of Tie2 expression in endotoxemia. <i>Intensive Care Medicine</i> , 2013, 39, 1262-1271.	3.9	39
17	The Metabolic Fingerprints of Prostate Cancer. <i>FASEB Journal</i> , 2013, 27, 471.9.	0.2	0
18	Dynamical Systems Approach to Endothelial Heterogeneity. <i>Circulation Research</i> , 2012, 111, 110-130.	2.0	86

#	ARTICLE	IF	CITATIONS
19	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
20	Detecting Hierarchical Modularity in Biological Networks. <i>Methods in Molecular Biology</i> , 2009, 541, 145-160.	0.4	44
21	Differential roles for ETS, CREB, and EGR binding sites in mediating VEGF receptor 1 expression in vivo. <i>Blood</i> , 2009, 114, 5557-5566.	0.6	25
22	Networks: Structure and Dynamics. , 2009, , 6048-6066.		1
23	Hierarchical organization in complex networks. <i>Physical Review E</i> , 2003, 67, 026112.	0.8	1,604
24	Hierarchical Organization of Modularity in Complex Networks. <i>Lecture Notes in Physics</i> , 2003, , 46-65.	0.3	22
25	Experimental Determination and System Level Analysis of Essential Genes in Escherichia coli MG1655. <i>Journal of Bacteriology</i> , 2003, 185, 5673-5684.	1.0	678
26	Scale-Free and Hierarchical Structures in Complex Networks. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	68
27	Hierarchical Organization of Modularity in Metabolic Networks. <i>Science</i> , 2002, 297, 1551-1555.	6.0	3,764
28	Networks in life: scaling properties and eigenvalue spectra. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 25-34.	1.2	79
29	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
30	Deterministic scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 299, 559-564.	1.2	381
31	The sound of many hands clapping. <i>Nature</i> , 2000, 403, 849-850.	13.7	596
32	Physics of the rhythmic applause. <i>Physical Review E</i> , 2000, 61, 6987-6992.	0.8	196
33	Spatial stochastic resonance in one-dimensional Ising systems. <i>Physical Review E</i> , 1999, 60, R3463-R3466.	0.8	10
34	Hierarchical modularity in biological networks: the case of metabolic networks. , 0, , 117-134.		0