Thomas Gregor

List of Publications by Year
in descending order

59 papers	6,153 citations	236925 25 h-index	161849 54 g-index
63 all docs	63 docs citations	63 times ranked	7103 citing authors

#	Article	IF	Citations
1	Optogenetic control of the Bicoid morphogen reveals fast and slow modes of gap gene regulation. Cell Reports, 2022, 38, 110543.	6.4	17
2	Transcriptional coupling of distant regulatory genes in living embryos. Nature, 2022, 605, 754-760.	27.8	78
3	Latent space of a small genetic network: Geometry of dynamics and information. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
4	Temporally dynamic antagonism between transcription and chromatin compaction controls stochastic photoreceptor specification in flies. Developmental Cell, 2022, 57, 1817-1832.e5.	7.0	12
5	The many bits of positional information. Development (Cambridge), 2021, 148, .	2.5	34
6	(2820) Proposal to conserve the name Potentilla (Rosaceae: Potentilleae) with a conserved type. Taxon, 2021, 70, 680-681.	0.7	4
7	The Impact of Space and Time on the Functional Output of the Genome. Cold Spring Harbor Perspectives in Biology, 2021, , a040378.	5.5	10
8	Trading bits in the readout from a genetic network. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
9	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
10	Eco-evolutionary significance of â€œlonersâ€• PLoS Biology, 2020, 18, e3000642.	5.6	19
11	Optimal Decoding of Cellular Identities in a Genetic Network. Cell, 2019, 176, 844-855.e15.	28.9	132
12	(2721) Proposal to conserve the name Chara flexilis (<scp>Nitella flexilis</scp>) (Characeae) with a conserved type. Taxon, 2019, 68, 1363-1364.	0.7	1
13	Live Imaging of mRNA Synthesis in Drosophila. Methods in Molecular Biology, 2018, 1649, 349-357.	0.9	18
14	Single mRNA Molecule Detection in Drosophila. Methods in Molecular Biology, 2018, 1649, 127-142.	0.9	21
15	Diverse Spatial Expression Patterns Emerge from Unified Kinetics of Transcriptional Bursting. Cell, 2018, 175, 835-847.e25.	28.9	117
16	A synopsis of the Centaurea soskae and triniifolia group (Centaurea sect.ÂAcrolophus) in the Prespa area and Northern Pindos. Phytotaxa, 2018, 348, 77.	0.3	1
17	Dynamic interplay between enhancerâ€“promoter topology and gene activity. Nature Genetics, 2018, 50, 1296-1303.	21.4	326
18	Climatic differentiation in polyploid apomictic Ranunculus auricomus complex in Europe. BMC Ecology, 2018, 18, 16.	3.0	18

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19	New diploid species in the Ranunculus auricomus complex (Ranunculaceae) from W and SE Europe. Willdenowia, 2018, 48, 227.	0.8	11
20	Beyond D'Arcy Thompson: Future challenges for quantitative biology. Mechanisms of Development, 2017, 145, 10-12.	1.7	1
21	Chromosome numbers of the flora of Germanyâ€"a new online database of georeferenced chromosome counts and flow cytometric ploidy estimates. Plant Systematics and Evolution, 2017, 303, 1123-1129.	0.9	33
22	Comprehensive and reliable: a new online portal of critical plant taxa in Germany. Plant Systematics and Evolution, 2017, 303, 1109-1113.	0.9	5
23	Genetic variability and morphology of tri- and tetraploid members of the Sorbus aria complex in northern Bavaria. Preslia, 2017, 89, 275-290.	2.8	11
24	Beschreibung der Characeen-Arten Deutschlands. , 2016, , 209-572.		9
25	Nomenklatur. , 2016, , 51-55.		0
26	Modeling oscillations and spiral waves inDictyosteliumpopulations. Physical Review E, 2015, 91, 062711.	2.1	36
27	Only accessible information is useful: insights from gradient-mediated patterning. Royal Society Open Science, 2015, 2, 150486.	2.4	14
28	Positional Information, Positional Error, and Readout Precision in Morphogenesis: A Mathematical Framework. Genetics, 2015, 199, 39-59.	2.9	63
29	From intracellular signaling to population oscillations: bridging sizeâ€•and timeâ€scales in collective behavior. Molecular Systems Biology, 2015, 11, 779.	7.2	56
30	Enhancer additivity and non-additivity are determined by enhancer strength in the Drosophila embryo. ELife, 2015, 4, .	6.0	146
31	Dynamic regulation of eve stripe 2 expression reveals transcriptional bursts in living Drosophila embryos. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10598-10603.	7.1	223
32	Fly wing vein patterns have spatial reproducibility of a single cell. Journal of the Royal Society Interface, 2014, 11, 20140443.	3.4	28
33	North American distribution ofEleocharis mamillata(Cyperaceae) and confusion withE. macrostachyaandE. palustris. Rhodora, 2014, 116, 163-186.	0.1	0
34	Long-lived banks of oospores in lake sediments from the Trans-Urals (Russia) indicated by germination in over 300 years old radiocarbon dated sediments. Aquatic Botany, 2014, 119, 84-90.	1.6	10
35	Diploidy suggests hybrid origin and sexuality in Sorbus subgen. Tormaria from Thuringia, Central Germany. Plant Systematics and Evolution, 2014, 300, 2169-2175.	0.9	9
36	The embryo as a laboratory: quantifying transcription in Drosophila. Trends in Genetics, 2014, 30, 364-375.	6.7	54

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37	Maternal Origins of Developmental Reproducibility. Current Biology, 2014, 24, 1283-1288.	3.9	42
38	(2303) Proposal to conserve the name Chara hispida (Characeae) with a conserved type. Taxon, 2014, 63, 933-934.	0.7	3
39	Precise Developmental Gene Expression Arises from Globally Stochastic Transcriptional Activity. Cell, 2013, 154, 789-800.	28.9	253
40	Quantitative Imaging of Transcription in Living Drosophila Embryos Links Polymerase Activity to Patterning. Current Biology, 2013, 23, 2140-2145.	3.9	307
41	Dynamic interpretation of maternal inputs by the Drosophila segmentation gene network. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6724-6729.	7.1	104
42	Accurate measurements of dynamics and reproducibility in small genetic networks. Molecular Systems Biology, 2013, 9, 639.	7.2	147
43	Sorting Sloppy Sonic. Cell, 2013, 153, 509-510.	28.9	1
44	Neotypification of Potentilla Cinerea Vill. (Rosaceae). Candollea, 2013, 68, 155.	0.2	0
45	Positional information, in bits. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16301-16308.	7.1	144
46	Quantifying the Bicoid Morphogen Gradient in Living Fly Embryos. Cold Spring Harbor Protocols, 2012, 2012, pdb.top068536-pdb.top068536.	0.3	16
47	Drivers of floristic change in large cities â€“ A case study of Frankfurt/Main (Germany). Landscape and Urban Planning, 2012, 104, 230-237.	7.5	30
48	Achillea roseoalba â€“ a long ignored relict in Germany. Feddes Repertorium, 2011, 122, 268-274.	0.5	1
49	The Formation of the Bicoid Morphogen Gradient Requires Protein Movement from Anteriorly Localized mRNA. PLoS Biology, 2011, 9, e1000596.	5.6	159
50	The Onset of Collective Behavior in Social Amoebae. Science, 2010, 328, 1021-1025.	12.6	283
51	Approaching the molecular origins of collective dynamics in oscillating cell populations. Current Opinion in Genetics and Development, 2010, 20, 574-580.	3.3	26
52	Shape and function of the Bicoid morphogen gradient in dipteran species with different sized embryos. Developmental Biology, 2008, 316, 350-358.	2.0	78
53	Response: Can We Fit All of the Data?. Cell, 2008, 132, 17-18.	28.9	16
54	The Role of Input Noise in Transcriptional Regulation. PLoS ONE, 2008, 3, e2774.	2.5	91

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55	Probing the Limits to Positional Information. Cell, 2007, 130, 153-164.	28.9	869
56	Stability and Nuclear Dynamics of the Bicoid Morphogen Gradient. Cell, 2007, 130, 141-152.	28.9	692
57	Minimization of the potential energy surface of Lennardâ€“Jones clusters by quantum optimization. Chemical Physics Letters, 2005, 412, 125-130.	2.6	16
58	Diffusion and scaling during early embryonic pattern formation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18403-18407.	7.1	283
59	Eleocharis mamillata â€” Distribution and infraspecific differentiation. Folia Geobotanica, 2003, 38, 49-64.	0.9	7