

Aurora M Nedelcu

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,192
citations

257450

24
h-index

289244

40
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43
all docs

43
docs citations

43
times ranked

6430
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolution and ecology of benign tumors. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188643.	7.4	23
2	Co-opting disorder into order: Intrinsically disordered proteins and the early evolution of complex multicellularity. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 29-36.	7.5	7
3	A life-history trade-off gene with antagonistic pleiotropic effects on reproduction and survival in limiting environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212669.	2.6	5
4	A personal cost of cheating can stabilize reproductive altruism during the early evolution of clonal multicellularity. <i>Biology Letters</i> , 2022, 18, .	2.3	7
5	Identifying key questions in the ecology and evolution of cancer. <i>Evolutionary Applications</i> , 2021, 14, 877-892.	3.1	58
6	Group phenotypic composition in cancer. <i>ELife</i> , 2021, 10, .	6.0	18
7	Does Cancer Biology Rely on Parrondo's Principles?. <i>Cancers</i> , 2021, 13, 2197.	3.7	7
8	The genetic basis for the evolution of soma: mechanistic evidence for the co-option of a stress-induced gene into a developmental master regulator. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201414.	2.6	11
9	Agent-based modelling reveals strategies to reduce the fitness and metastatic potential of circulating tumour cell clusters. <i>Evolutionary Applications</i> , 2020, 13, 1635-1650.	3.1	7
10	Stress Responses Co-opted for Specialized Cell Types During the Early Evolution of Multicellularity. <i>BioEssays</i> , 2020, 42, e2000029.	2.5	11
11	The evolution of multicellularity and cancer: views and paradigms. <i>Biochemical Society Transactions</i> , 2020, 48, 1505-1518.	3.4	22
12	Independent evolution of complex development in animals and plants: deep homology and lateral gene transfer. <i>Development Genes and Evolution</i> , 2019, 229, 25-34.	0.9	9
13	A Model-System to Address the Impact of Phenotypic Heterogeneity and Plasticity on the Development of Cancer Therapies. <i>Frontiers in Oncology</i> , 2019, 9, 842.	2.8	6
14	In Vitro Model-Systems to Understand the Biology and Clinical Significance of Circulating Tumor Cell Clusters. <i>Frontiers in Oncology</i> , 2018, 8, 63.	2.8	23
15	The Plastid Genome of <i>Polytoma uvella</i> Is the Largest Known among Colorless Algae and Plants and Reflects Contrasting Evolutionary Paths to Nonphotosynthetic Lifestyles. <i>Plant Physiology</i> , 2017, 173, 932-943.	4.8	33
16	The plastid genomes of nonphotosynthetic algae are not so small after all. <i>Communicative and Integrative Biology</i> , 2017, 10, e1283080.	1.4	5
17	Understanding Ancient Legacies to Expose and Exploit Cancer's Evolutionary Vulnerabilities. , 2017, , 203-209.		1
18	Co-option during the evolution of multicellular and developmental complexity in the volvocine green algae. <i>Current Opinion in Genetics and Development</i> , 2016, 39, 107-115.	3.3	33

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19	When the lights go out: the evolutionary fate of free-living colorless green algae. <i>New Phytologist</i> , 2015, 206, 972-982.	7.3	60
20	Volvocine Algae: From Simple to Complex Multicellularity. <i>Advances in Marine Genomics</i> , 2015, , 129-152.	1.2	27
21	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. <i>PLoS Biology</i> , 2014, 12, e1001889.	5.6	885
22	An evolutionary explanation for the presence of cancer nonstem cells in neoplasms. <i>Evolutionary Applications</i> , 2013, 6, 92-101.	3.1	25
23	The Evolution of Self During the Transition to Multicellularity. <i>Advances in Experimental Medicine and Biology</i> , 2012, 738, 14-30.	1.6	4
24	ON THE PARADIGM OF ALTRUISTIC SUICIDE IN THE UNICELLULAR WORLD. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3-20.	2.3	118
25	Genomic Analysis of Organismal Complexity in the Multicellular Green Alga <i>Volvox carteri</i> . <i>Science</i> , 2010, 329, 223-226.	12.6	536
26	Genomic Evidence for Elements of a Programmed Cell Death Pathway In Plasmodium: Exploiting Programmed Parasite Death for Malaria Control?. <i>Blood</i> , 2010, 116, 4226-4226.	1.4	1
27	Environmentally induced responses co-opted for reproductive altruism. <i>Biology Letters</i> , 2009, 5, 805-808.	2.3	39
28	Comparative Genomics of Phylogenetically Diverse Unicellular Eukaryotes Provide New Insights into the Genetic Basis for the Evolution of the Programmed Cell Death Machinery. <i>Journal of Molecular Evolution</i> , 2009, 68, 256-268.	1.8	56
29	Adaptive value of sex in microbial pathogens. <i>Infection, Genetics and Evolution</i> , 2008, 8, 267-285.	2.3	106
30	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
31	Early diversification and complex evolutionary history of the p53 tumor suppressor gene family. <i>Development Genes and Evolution</i> , 2007, 217, 801-806.	0.9	56
32	Evidence for p53-like-mediated stress responses in green algae. <i>FEBS Letters</i> , 2006, 580, 3013-3017.	2.8	32
33	Life-history evolution and the origin of multicellularity. <i>Journal of Theoretical Biology</i> , 2006, 239, 257-272.	1.7	116
34	The Evolutionary Origin of an Altruistic Gene. <i>Molecular Biology and Evolution</i> , 2006, 23, 1460-1464.	8.9	74
35	A Land Plant-Specific Multigene Family in the Unicellular Mesostigma Argues for Its Close Relationship to Streptophyta. <i>Molecular Biology and Evolution</i> , 2006, 23, 1011-1015.	8.9	31
36	Sex as a response to oxidative stress: stress genes co-opted for sex. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1935-1940.	2.6	24

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37	Sex as a response to oxidative stress: a twofold increase in cellular reactive oxygen species activates sex genes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1591-1596.	2.6	80
38	Cooperation and conflict in the evolution of individuality. <i>BioSystems</i> , 2003, 69, 95-114.	2.0	48
39	On the Reorganization of Fitness During Evolutionary Transitions in Individuality. <i>Integrative and Comparative Biology</i> , 2003, 43, 64-73.	2.0	144
40	Sex as a response to oxidative stress: the effect of antioxidants on sexual induction in a facultatively sexual lineage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, S136-9.	2.6	57
41	Complex Patterns of Plastid 16S rRNA Gene Evolution in Nonphotosynthetic Green Algae. <i>Journal of Molecular Evolution</i> , 2001, 53, 670-679.	1.8	33