

# Nicole King

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

6,932  
citations

218381

26  
h-index

189595

50  
g-index

57  
all docs

57  
docs citations

57  
times ranked

7259  
citing authors

#	ARTICLE	IF	CITATIONS
1	The history of <i>Salpingoeca rosetta</i> as a model for reconstructing animal origins. <i>Current Topics in Developmental Biology</i> , 2022, 147, 73-91.	1.0	6
2	Identification and structure of an extracellular contractile injection system from the marine bacterium <i>Algoriphagus machipongonensis</i> . <i>Nature Microbiology</i> , 2022, 7, 397-410.	5.9	24
3	Nitric oxide signaling controls collective contractions in a colonial choanoflagellate. <i>Current Biology</i> , 2022, 32, 2539-2547.e5.	1.8	8
4	A flagellate-to-amoeboid switch in the closest living relatives of animals. <i>ELife</i> , 2021, 10, .	2.8	32
5	STING mediates immune responses in the closest living relatives of animals. <i>ELife</i> , 2021, 10, .	2.8	26
6	Synergistic Cues from Diverse Bacteria Enhance Multicellular Development in a Choanoflagellate. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	12
7	Biophysical principles of choanoflagellate self-organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1303-1311.	3.3	31
8	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020, 17, 481-494.	9.0	97
9	Genome editing enables reverse genetics of multicellular development in the choanoflagellate <i>Salpingoeca rosetta</i> . <i>ELife</i> , 2020, 9, .	2.8	29
10	Light-regulated collective contractility in a multicellular choanoflagellate. <i>Science</i> , 2019, 366, 326-334.	6.0	101
11	The architecture of cell differentiation in choanoflagellates and sponge choanocytes. <i>PLoS Biology</i> , 2019, 17, e3000226.	2.6	74
12	Lessons from simple marine models on the bacterial regulation of eukaryotic development. <i>Current Opinion in Microbiology</i> , 2018, 43, 108-116.	2.3	33
13	Transfection of choanoflagellates illuminates their cell biology and the ancestry of animal septins. <i>Molecular Biology of the Cell</i> , 2018, 29, 3026-3038.	0.9	56
14	Gene family innovation, conservation and loss on the animal stem lineage. <i>ELife</i> , 2018, 7, .	2.8	149
15	Predicted glycosyltransferases promote development and prevent spurious cell clumping in the choanoflagellate <i>S. rosetta</i> . <i>ELife</i> , 2018, 7, .	2.8	36
16	Finding patches in a heterogeneous aquatic environment: pH taxis by the dispersal stage of choanoflagellates. <i>Limnology and Oceanography Letters</i> , 2017, 2, 37-46.	1.6	19
17	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. <i>Current Biology</i> , 2017, 27, 958-967.	1.8	423
18	Embracing Uncertainty in Reconstructing Early Animal Evolution. <i>Current Biology</i> , 2017, 27, R1081-R1088.	1.8	101

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19	The Origin of Animal Multicellularity and Cell Differentiation. <i>Developmental Cell</i> , 2017, 43, 124-140.	3.1	294
20	Mating in the Closest Living Relatives of Animals Is Induced by a Bacterial Chondroitinase. <i>Cell</i> , 2017, 170, 1175-1183.e11.	13.5	105
21	Evolution of an ancient protein function involved in organized multicellularity in animals. <i>ELife</i> , 2016, 5, e10147.	2.8	51
22	The Evolution of Silicon Transport in Eukaryotes. <i>Molecular Biology and Evolution</i> , 2016, 33, 3226-3248.	3.5	107
23	The Future of Cell Biology: Emerging Model Organisms. <i>Trends in Cell Biology</i> , 2016, 26, 818-824.	3.6	93
24	Bacterial lipids activate, synergize, and inhibit a developmental switch in choanoflagellates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7894-7899.	3.3	120
25	Gene regulation in transition. <i>Nature</i> , 2016, 534, 482-483.	13.7	3
26	Isolation and Synthesis of a Bacterially Produced Inhibitor of Rosette Development in Choanoflagellates. <i>Journal of the American Chemical Society</i> , 2016, 138, 4326-4329.	6.6	31
27	Editorial overview: Environmental microbiology: Revisiting the physiology of microorganisms on the single cell scale. <i>Current Opinion in Microbiology</i> , 2015, 25, v-vi.	2.3	1
28	Prey Capture and Phagocytosis in the Choanoflagellate <i>Salpingoeca rosetta</i> . <i>PLoS ONE</i> , 2014, 9, e95577.	1.1	64
29	Evolutionary Insights into Premetazoan Functions of the Neuronal Protein Homer. <i>Molecular Biology and Evolution</i> , 2014, 31, 2342-2355.	3.5	46
30	Synthesis of the Rosette-Inducing Factor RIF-1 and Analogs. <i>Journal of the American Chemical Society</i> , 2014, 136, 10210-10213.	6.6	38
31	Bacterial Influences on Animal Origins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016162-a016162.	2.3	50
32	The rosetteless gene controls development in the choanoflagellate <i>S. rosetta</i> . <i>ELife</i> , 2014, 3, .	2.8	83
33	Premetazoan genome evolution and the regulation of cell differentiation in the choanoflagellate <i>Salpingoeca rosetta</i> . <i>Genome Biology</i> , 2013, 14, R15.	13.9	219
34	Evidence for Sex and Recombination in the Choanoflagellate <i>Salpingoeca rosetta</i> . <i>Current Biology</i> , 2013, 23, 2176-2180.	1.8	92
35	Animals in a bacterial world, a new imperative for the life sciences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3229-3236.	3.3	2,181
36	A bacterial sulfonolipid triggers multicellular development in the closest living relatives of animals. <i>ELife</i> , 2012, 1, e00013.	2.8	224

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37	Cell differentiation and morphogenesis in the colony-forming choanoflagellate <i>Salpingoeca rosetta</i> . <i>Developmental Biology</i> , 2011, 357, 73-82.	0.9	216
38	Multicellular development in a choanoflagellate. <i>Current Biology</i> , 2010, 20, R875-R876.	1.8	132
39	Nature and Nurture in the Evolution of Cell Biology. <i>Molecular Biology of the Cell</i> , 2010, 21, 3801-3802.	0.9	6
40	The Choanoflagellates: Heterotrophic Nanoflagellates and Sister Group of the Metazoa. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.emo116-pdb.emo116.	0.2	23
41	Preparation of High-Molecular-Weight Genomic DNA from <i>Monosiga brevicollis</i> and Other Choanoflagellates. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5153-pdb.prot5153.	0.2	4
42	Long-Term Frozen Storage of Choanoflagellate Cultures. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5149.	0.2	7
43	Isolation of Single Choanoflagellate Cells from Field Samples and Establishment of Clonal Cultures. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5147.	0.2	5
44	Visualizing the Subcellular Localization of Actin, $\alpha$ -Tubulin, and DNA in <i>Monosiga brevicollis</i> . <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5150-pdb.prot5150.	0.2	3
45	Starting and Maintaining <i>Monosiga brevicollis</i> Cultures. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5148.	0.2	26
46	Preparation of Total RNA from <i>Monosiga brevicollis</i> and Other Choanoflagellates. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5151-pdb.prot5151.	0.2	3
47	Rapid Preparation of Genomic DNA from <i>Monosiga brevicollis</i> and Other Choanoflagellates. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5152.	0.2	4
48	Separation of Choanoflagellate and Bacterial Genomic DNA. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5154.	0.2	6
49	The genome of the choanoflagellate <i>Monosiga brevicollis</i> and the origin of metazoans. <i>Nature</i> , 2008, 451, 783-788.	13.7	1,006
50	The Unicellular Ancestry of Animal Development. <i>Developmental Cell</i> , 2004, 7, 313-325.	3.1	427