

# Maureen M Barr

## List of Publications by Year in descending order

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57  
papers

4,365  
citations

109137

35  
h-index

149479

56  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3474  
citing authors

#	ARTICLE	IF	CITATIONS
1	A polycystic kidney-disease gene homologue required for male mating behaviour in <i>C. elegans</i> . <i>Nature</i> , 1999, 401, 386-389.	13.7	475
2	Cooperative interaction of <i>S. pombe</i> proteins required for mating and morphogenesis. <i>Cell</i> , 1994, 79, 131-141.	13.5	300
3	The <i>Caenorhabditis elegans</i> autosomal dominant polycystic kidney disease gene homologs <i>lov-1</i> and <i>pkd-2</i> act in the same pathway. <i>Current Biology</i> , 2001, 11, 1341-1346.	1.8	293
4	Emerging Roles of Extracellular Vesicles in the Nervous System. <i>Journal of Neuroscience</i> , 2014, 34, 15482-15489.	1.7	219
5	An autosomal recessive polycystic kidney disease gene homolog is involved in intraflagellar transport in <i>C. elegans</i> ciliated sensory neurons. <i>Current Biology</i> , 2001, 11, 457-461.	1.8	214
6	Title is missing!. <i>Nature</i> , 1999, 401, 386-389.	13.7	209
7	<i>C.Âelegans</i> Ciliated Sensory Neurons Release Extracellular Vesicles that Function in Animal Communication. <i>Current Biology</i> , 2014, 24, 519-525.	1.8	196
8	Intraflagellar Transport Is Required for the Vectorial Movement of TRPV Channels in the Ciliary Membrane. <i>Current Biology</i> , 2005, 15, 1695-1699.	1.8	183
9	The KLP-6 Kinesin Is Required for Male Mating Behaviors and Polycystin Localization in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2005, 15, 394-404.	1.8	120
10	The <i>Caenorhabditis elegans</i> nephrocystins act as global modifiers of cilium structure. <i>Journal of Cell Biology</i> , 2008, 180, 973-988.	2.3	104
11	PDF-1 neuropeptide signaling modulates a neural circuit for mate-searching behavior in <i>C. elegans</i> . <i>Nature Neuroscience</i> , 2012, 15, 1675-1682.	7.1	103
12	The Tubulin Deglutamylase CCPP-1 Regulates the Function and Stability of Sensory Cilia in <i>C.Âelegans</i> . <i>Current Biology</i> , 2011, 21, 1685-1694.	1.8	99
13	General and cell-type specific mechanisms target TRPP2/PKD-2 to cilia. <i>Development (Cambridge)</i> , 2006, 133, 3859-3870.	1.2	95
14	Dauer-Specific Dendrite Arborization in <i>C.Âelegans</i> Is Regulated by KPC-1/Furin. <i>Current Biology</i> , 2013, 23, 1527-1535.	1.8	91
15	Male mating behavior. <i>WormBook</i> , 2006, , 1-11.	5.3	90
16	Cell-Specific Transcriptional Profiling of Ciliated Sensory Neurons Reveals Regulators of Behavior and Extracellular Vesicle Biogenesis. <i>Current Biology</i> , 2015, 25, 3232-3238.	1.8	75
17	Casein Kinase II and Calcineurin Modulate TRPP Function and Ciliary Localization. <i>Molecular Biology of the Cell</i> , 2006, 17, 2200-2211.	0.9	69
18	Kinesin-3 KLP-6 Regulates Intraflagellar Transport in Male-Specific Cilia of <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2011, 21, 1239-1244.	1.8	69

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19	Super models. <i>Physiological Genomics</i> , 2003, 13, 15-24.	1.0	68
20	Cell-Specific $\beta$ -Tubulin Isoform Regulates Ciliary Microtubule Ultrastructure, Intraflagellar Transport, and Extracellular Vesicle Biology. <i>Current Biology</i> , 2017, 27, 968-980.	1.8	67
21	Glutamylation Regulates Transport, Specializes Function, and Sculptures the Structure of Cilia. <i>Current Biology</i> , 2017, 27, 3430-3441.e6.	1.8	67
22	Sexual Dimorphism and Sex Differences in <i>Caenorhabditis elegans</i> Neuronal Development and Behavior. <i>Genetics</i> , 2018, 208, 909-935.	1.2	66
23	FMRamide-Like Neuropeptides and Mechanosensory Touch Receptor Neurons Regulate Male Sexual Turning Behavior in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2007, 27, 7174-7182.	1.7	65
24	Ciliary Extracellular Vesicles: Text Message Organelles. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 449-457.	1.7	64
25	STAM and Hrs Down-Regulate Ciliary TRP Receptors. <i>Molecular Biology of the Cell</i> , 2007, 18, 3277-3289.	0.9	61
26	Sensory roles of neuronal cilia: Cilia development, morphogenesis, and function in <i>C. elegans</i> . <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5959.	3.0	58
27	Functional characterization of the <i>C. elegans</i> nephrocystins NPHP-1 and NPHP-4 and their role in cilia and male sensory behaviors. <i>Experimental Cell Research</i> , 2005, 305, 333-342.	1.2	55
28	The CIL-1 PI 5-Phosphatase Localizes TRP Polycystins to Cilia and Activates Sperm in <i>C. elegans</i> . <i>Current Biology</i> , 2009, 19, 1599-1607.	1.8	55
29	Myristoylated CIL-7 regulates ciliary extracellular vesicle biogenesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 2823-2832.	0.9	53
30	Cell-cell communication via ciliary extracellular vesicles: clues from model systems. <i>Essays in Biochemistry</i> , 2018, 62, 205-213.	2.1	53
31	The tubulin repertoire of <i>Caenorhabditis elegans</i> sensory neurons and its context-dependent role in process outgrowth. <i>Molecular Biology of the Cell</i> , 2016, 27, 3717-3728.	0.9	47
32	<i>Caenorhabditis elegans</i> as a Model to Study Renal Development and Disease: Sexy Cilia. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 305-312.	3.0	46
33	Sperm Status Regulates Sexual Attraction in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2011, 189, 1341-1346.	1.2	46
34	Ciliary Rab28 and the BBSome negatively regulate extracellular vesicle shedding. <i>ELife</i> , 2020, 9, .	2.8	46
35	RNA Interference in <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2005, 392, 36-55.	0.4	45
36	Sensory cilia act as a specialized venue for regulated extracellular vesicle biogenesis and signaling. <i>Current Biology</i> , 2021, 31, 3943-3951.e3.	1.8	41

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37	Ciliogenesis in <i>Caenorhabditis elegans</i> requires genetic interactions between ciliary middle segment localized NPHP-2 (inversin) and transition zone-associated proteins. <i>Journal of Cell Science</i> , 2012, 125, 2592-603.	1.2	40
38	Release and targeting of polycystin-2-carrying ciliary extracellular vesicles. <i>Current Biology</i> , 2020, 30, R755-R756.	1.8	35
39	Functional Specialization of Sensory Cilia by an RFX Transcription Factor Isoform. <i>Genetics</i> , 2010, 186, 1295-1307.	1.2	32
40	Identification of genes involved in the ciliary trafficking of <i>C. elegans</i> PKD-2. <i>Developmental Dynamics</i> , 2008, 237, 2021-2029.	0.8	29
41	The nphp-2 and arl-13 Genetic Modules Interact to Regulate Ciliogenesis and Ciliary Microtubule Patterning in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004866.	1.5	28
42	Mating behavior, male sensory cilia, and polycystins in <i>Caenorhabditis elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 25-33.	2.3	28
43	Isolation, profiling, and tracking of extracellular vesicle cargo in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2022, 32, 1924-1936.e6.	1.8	22
44	Model Organisms in G Protein-Coupled Receptor Research. <i>Molecular Pharmacology</i> , 2015, 88, 596-603.	1.0	21
45	Cell type-specific structural plasticity of the ciliary transition zone in <i>C. elegans</i> . <i>Biology of the Cell</i> , 2019, 111, 95-107.	0.7	21
46	The tubulin code specializes neuronal cilia for extracellular vesicle release. <i>Developmental Neurobiology</i> , 2021, 81, 231-252.	1.5	21
47	Mutation of NEKL-4/NEK10 and TLL genes suppress neuronal ciliary degeneration caused by loss of CCP1-1 deglutamylase function. <i>PLoS Genetics</i> , 2020, 16, e1009052.	1.5	15
48	Regulation of tubulin glutamylation plays cell-specific roles in the function and stability of sensory cilia. <i>Worm</i> , 2012, 1, 155-159.	1.0	14
49	Distinct protein domains regulate ciliary targeting and function of <i>C. elegans</i> PKD-2. <i>Experimental Cell Research</i> , 2008, 314, 825-833.	1.2	12
50	What about the males? the <i>C. elegans</i> sexually dimorphic nervous system and a CRISPR-based tool to study males in a hermaphroditic species. <i>Journal of Neurogenetics</i> , 2020, 34, 323-334.	0.6	7
51	CCP1, a Tubulin Deglutamylase, Increases Survival of Rodent Spinal Cord Neurons following Glutamate-Induced Excitotoxicity. <i>ENeuro</i> , 2021, 8, ENEURO.0431-20.2021.	0.9	7
52	Kymographic Analysis of Transport in an Individual Neuronal Sensory Cilium in <i>Caenorhabditis elegans</i> . <i>Methods in Molecular Biology</i> , 2016, 1454, 107-122.	0.4	3
53	A motor relay on ciliary tracks. <i>Nature Cell Biology</i> , 2015, 17, 1517-1519.	4.6	2
54	Middle Age Has Its Advantages. <i>PLoS Genetics</i> , 2016, 12, e1006426.	1.5	2

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55	Sensory Cilia Act as a Specialized Venue for Regulated Extracellular Vesicle Biogenesis and Signaling. SSRN Electronic Journal, 0, , .	0.4	2
56	C. elegans male mating behavior. Seminars in Cell and Developmental Biology, 2014, 33, 1-2.	2.3	1
57	Tomography gives a new dimension to an ancient organelle. ELife, 2014, 3, e02589.	2.8	0