Maureen M Barr

List of Publications by Year
in descending order

57	4,365	109321	149698
papers	citations	35 h-index	56 g-index

67	67	67	3474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A polycystic kidney-disease gene homologue required for male mating behaviour in C. elegans. Nature, 1999, 401, 386-389.	27.8	475
2	Cooperative interaction of S. pombe proteins required for mating and morphogenesis. Cell, 1994, 79, 131-141.	28.9	300
3	The Caenorhabditis elegans autosomal dominant polycystic kidney disease gene homologs lov-1 and pkd-2 act in the same pathway. Current Biology, 2001, 11, 1341-1346.	3.9	293
4	Emerging Roles of Extracellular Vesicles in the Nervous System. Journal of Neuroscience, 2014, 34, 15482-15489.	3.6	219
5	An autosomal recessive polycystic kidney disease gene homolog is involved in intraflagellar transport in C. elegans ciliated sensory neurons. Current Biology, 2001, 11, 457-461.	3.9	214
6	Title is missing!. Nature, 1999, 401, 386-389.	27.8	209
7	C.Âelegans Ciliated Sensory Neurons Release Extracellular Vesicles that Function in Animal Communication. Current Biology, 2014, 24, 519-525.	3.9	196
8	Intraflagellar Transport Is Required for the Vectorial Movement of TRPV Channels in the Ciliary Membrane. Current Biology, 2005, 15, 1695-1699.	3.9	183
9	The KLP-6 Kinesin Is Required for Male Mating Behaviors and Polycystin Localization in Caenorhabditis elegans. Current Biology, 2005, 15, 394-404.	3.9	120
10	The Caenorhabditis elegans nephrocystins act as global modifiers of cilium structure. Journal of Cell Biology, 2008, 180, 973-988.	5.2	104
11	PDF-1 neuropeptide signaling modulates a neural circuit for mate-searching behavior in C. elegans. Nature Neuroscience, 2012, 15, 1675-1682.	14.8	103
12	The Tubulin Deglutamylase CCPP-1 Regulates the Function and Stability of Sensory Cilia in C.Âelegans. Current Biology, 2011, 21, 1685-1694.	3.9	99
13	General and cell-type specific mechanisms target TRPP2/PKD-2 to cilia. Development (Cambridge), 2006, 133, 3859-3870.	2.5	95
14	Dauer-Specific Dendrite Arborization in C.Âelegans Is Regulated by KPC-1/Furin. Current Biology, 2013, 23, 1527-1535.	3.9	91
15	Male mating behavior. WormBook, 2006, , 1-11.	5.3	90
16	Cell-Specific Transcriptional Profiling of Ciliated Sensory Neurons Reveals Regulators of Behavior and Extracellular Vesicle Biogenesis. Current Biology, 2015, 25, 3232-3238.	3.9	75
17	Casein Kinase II and Calcineurin Modulate TRPP Function and Ciliary Localization. Molecular Biology of the Cell, 2006, 17, 2200-2211.	2.1	69
18	Kinesin-3 KLP-6 Regulates Intraflagellar Transport in Male-Specific Cilia of Caenorhabditis elegans. Current Biology, 2011, 21, 1239-1244.	3.9	69

#	Article	IF	Citations
19	Super models. Physiological Genomics, 2003, 13, 15-24.	2.3	68
20	Cell-Specific Î±-Tubulin Isotype Regulates Ciliary Microtubule Ultrastructure, Intraflagellar Transport, and Extracellular Vesicle Biology. Current Biology, 2017, 27, 968-980.	3.9	67
21	Glutamylation Regulates Transport, Specializes Function, and Sculpts the Structure of Cilia. Current Biology, 2017, 27, 3430-3441.e6.	3.9	67
22	Sexual Dimorphism and Sex Differences in Caenorhabditis elegans Neuronal Development and Behavior. Genetics, 2018, 208, 909-935.	2.9	66
23	FMRFamide-Like Neuropeptides and Mechanosensory Touch Receptor Neurons Regulate Male Sexual Turning Behavior inCaenorhabditis elegans. Journal of Neuroscience, 2007, 27, 7174-7182.	3.6	65
24	Ciliary Extracellular Vesicles: Txt Msg Organelles. Cellular and Molecular Neurobiology, 2016, 36, 449-457.	3.3	64
25	STAM and Hrs Down-Regulate Ciliary TRP Receptors. Molecular Biology of the Cell, 2007, 18, 3277-3289.	2.1	61
26	Sensory roles of neuronal cilia: Cilia development, morphogenesis, and function in C. elegans. Frontiers in Bioscience - Landmark, 2008, Volume, 5959.	3.0	58
27	Functional characterization of the C. elegans nephrocystins NPHP-1 and NPHP-4 and their role in cilia and male sensory behaviors. Experimental Cell Research, 2005, 305, 333-342.	2.6	55
28	The CIL-1 PI 5-Phosphatase Localizes TRP Polycystins to Cilia and Activates Sperm in C. elegans. Current Biology, 2009, 19, 1599-1607.	3.9	55
29	Myristoylated CIL-7 regulates ciliary extracellular vesicle biogenesis. Molecular Biology of the Cell, 2015, 26, 2823-2832.	2.1	53
30	Cellâ€“cell communication via ciliary extracellular vesicles: clues from model systems. Essays in Biochemistry, 2018, 62, 205-213.	4.7	53
31	The tubulin repertoire ofCaenorhabditis eleganssensory neurons and its contextâ€‘dependent role in process outgrowth. Molecular Biology of the Cell, 2016, 27, 3717-3728.	2.1	47
32	Caenorhabditis elegansas a Model to Study Renal Development and Disease: Sexy Cilia. Journal of the American Society of Nephrology: JASN, 2005, 16, 305-312.	6.1	46
33	Sperm Status Regulates Sexual Attraction in Caenorhabditis elegans. Genetics, 2011, 189, 1341-1346.	2.9	46
34	Ciliary Rab28 and the BBSome negatively regulate extracellular vesicle shedding. ELife, 2020, 9, .	6.0	46
35	RNA Interference in Caenorhabditis elegans. Methods in Enzymology, 2005, 392, 36-55.	1.0	45
36	Sensory cilia act as a specialized venue for regulated extracellular vesicle biogenesis and signaling. Current Biology, 2021, 31, 3943-3951.e3.	3.9	41

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37	Ciliogenesis in Caenorhabditis elegans requires genetic interactions between ciliary middle segment localized NPHP-2 (inversin) and transition zone-associated proteins. Journal of Cell Science, 2012, 125, 2592-603.	2.0	40
38	Release and targeting of polycystin-2-carrying ciliary extracellular vesicles. Current Biology, 2020, 30, R755-R756.	3.9	35
39	Functional Specialization of Sensory Cilia by an RFX Transcription Factor Isoform. Genetics, 2010, 186, 1295-1307.	2.9	32
40	Identification of genes involved in the ciliary trafficking of C. elegans PKDâ€2. Developmental Dynamics, 2008, 237, 2021-2029.	1.8	29
41	The nphp-2 and arl-13 Genetic Modules Interact to Regulate Ciliogenesis and Ciliary Microtubule Patterning in C. elegans. PLoS Genetics, 2014, 10, e1004866.	3.5	28
42	Mating behavior, male sensory cilia, and polycystins in Caenorhabditis elegans. Seminars in Cell and Developmental Biology, 2014, 33, 25-33.	5.0	28
43	Isolation, profiling, and tracking of extracellular vesicle cargo in Caenorhabditis elegans. Current Biology, 2022, 32, 1924-1936.e6.	3.9	22
44	Model Organisms in G Proteinâ€“Coupled Receptor Research. Molecular Pharmacology, 2015, 88, 596-603.	2.3	21
45	Cell typeâ€specific structural plasticity of the ciliary transition zone in C. elegans. Biology of the Cell, 2019, 111, 95-107.	2.0	21
46	The tubulin code specializes neuronal cilia for extracellular vesicle release. Developmental Neurobiology, 2021, 81, 231-252.	3.0	21
47	Mutation of NEKL-4/NEK10 and TTLL genes suppress neuronal ciliary degeneration caused by loss of CCPP-1 deglutamylase function. PLoS Genetics, 2020, 16, e1009052.	3.5	15
48	Regulation of tubulin glutamylation plays cell-specific roles in the function and stability of sensory cilia. Worm, 2012, 1, 155-159.	1.0	14
49	Distinct protein domains regulate ciliary targeting and function of C. elegans PKD-2. Experimental Cell Research, 2008, 314, 825-833.	2.6	12
50	What about the males? the C. elegans sexually dimorphic nervous system and a CRISPR-based tool to study males in a hermaphroditic species. Journal of Neurogenetics, 2020, 34, 323-334.	1.4	7
51	CCP1, a Tubulin Deglutamylase, Increases Survival of Rodent Spinal Cord Neurons following Glutamate-Induced Excitotoxicity. ENeuro, 2021, 8, ENEURO.0431-20.2021.	1.9	7
52	Kymographic Analysis of Transport in an Individual Neuronal Sensory Cilium in Caenorhabditis elegans. Methods in Molecular Biology, 2016, 1454, 107-122.	0.9	3
53	A motor relay on ciliary tracks. Nature Cell Biology, 2015, 17, 1517-1519.	10.3	2
54	Middle Age Has Its Advantages. PLoS Genetics, 2016, 12, e1006426.	3.5	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.	5.0	1
57	Tomography gives a new dimension to an ancient organelle. ELife, 2014, 3, e02589.	6.0	0