

Maureen M Barr

List of Publications by Year in descending order

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57
papers

4,365
citations

109321

35
h-index

149698

56
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67
all docs

67
docs citations

67
times ranked

3474
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation, profiling, and tracking of extracellular vesicle cargo in <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2022, 32, 1924-1936.e6.	3.9	22
2	The tubulin code specializes neuronal cilia for extracellular vesicle release. <i>Developmental Neurobiology</i> , 2021, 81, 231-252.	3.0	21
3	CCP1, a Tubulin Deglutamylase, Increases Survival of Rodent Spinal Cord Neurons following Glutamate-Induced Excitotoxicity. <i>ENeuro</i> , 2021, 8, ENEURO.0431-20.2021.	1.9	7
4	Sensory cilia act as a specialized venue for regulated extracellular vesicle biogenesis and signaling. <i>Current Biology</i> , 2021, 31, 3943-3951.e3.	3.9	41
5	Mutation of NEKL-4/NEK10 and TLL genes suppress neuronal ciliary degeneration caused by loss of CCPP-1 deglutamylase function. <i>PLoS Genetics</i> , 2020, 16, e1009052.	3.5	15
6	Release and targeting of polycystin-2-carrying ciliary extracellular vesicles. <i>Current Biology</i> , 2020, 30, R755-R756.	3.9	35
7	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.	1.4	7
8	Ciliary Rab28 and the BBSome negatively regulate extracellular vesicle shedding. <i>ELife</i> , 2020, 9, .	6.0	46
9	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.	2.0	21
10	Sexual Dimorphism and Sex Differences in <i>Caenorhabditis elegans</i> Neuronal Development and Behavior. <i>Genetics</i> , 2018, 208, 909-935.	2.9	66
11	Cell-cell communication via ciliary extracellular vesicles: clues from model systems. <i>Essays in Biochemistry</i> , 2018, 62, 205-213.	4.7	53
12	Cell-Specific α -Tubulin Isoform Regulates Ciliary Microtubule Ultrastructure, Intraflagellar Transport, and Extracellular Vesicle Biology. <i>Current Biology</i> , 2017, 27, 968-980.	3.9	67
13	Glutamylation Regulates Transport, Specializes Function, and Sculptures the Structure of Cilia. <i>Current Biology</i> , 2017, 27, 3430-3441.e6.	3.9	67
14	Middle Age Has Its Advantages. <i>PLoS Genetics</i> , 2016, 12, e1006426.	3.5	2
15	Ciliary Extracellular Vesicles: Txt Msg Organelles. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 449-457.	3.3	64
16	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.	2.1	47
17	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.	0.9	3
18	Myristoylated CIL-7 regulates ciliary extracellular vesicle biogenesis. <i>Molecular Biology of the Cell</i> , 2015, 26, 2823-2832.	2.1	53

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19	Model Organisms in G Protein-Coupled Receptor Research. <i>Molecular Pharmacology</i> , 2015, 88, 596-603.	2.3	21
20	Cell-Specific Transcriptional Profiling of Ciliated Sensory Neurons Reveals Regulators of Behavior and Extracellular Vesicle Biogenesis. <i>Current Biology</i> , 2015, 25, 3232-3238.	3.9	75
21	A motor relay on ciliary tracks. <i>Nature Cell Biology</i> , 2015, 17, 1517-1519.	10.3	2
22	The <i>nphp-2</i> and <i>arl-13</i> Genetic Modules Interact to Regulate Ciliogenesis and Ciliary Microtubule Patterning in <i>C. elegans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004866.	3.5	28
23	<i>C. elegans</i> Ciliated Sensory Neurons Release Extracellular Vesicles that Function in Animal Communication. <i>Current Biology</i> , 2014, 24, 519-525.	3.9	196
24	Emerging Roles of Extracellular Vesicles in the Nervous System. <i>Journal of Neuroscience</i> , 2014, 34, 15482-15489.	3.6	219
25	<i>C. elegans</i> male mating behavior. <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 1-2.	5.0	1
26	Mating behavior, male sensory cilia, and polycystins in <i>Caenorhabditis elegans</i> . <i>Seminars in Cell and Developmental Biology</i> , 2014, 33, 25-33.	5.0	28
27	Tomography gives a new dimension to an ancient organelle. <i>ELife</i> , 2014, 3, e02589.	6.0	0
28	Dauer-Specific Dendrite Arborization in <i>C. elegans</i> Is Regulated by KPC-1/Furin. <i>Current Biology</i> , 2013, 23, 1527-1535.	3.9	91
29	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
30	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.	14.8	103
31	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.	2.0	40
32	Kinesin-3 KLP-6 Regulates Intraflagellar Transport in Male-Specific Cilia of <i>Caenorhabditis elegans</i> . <i>Current Biology</i> , 2011, 21, 1239-1244.	3.9	69
33	The Tubulin Deglutamylase CAPP-1 Regulates the Function and Stability of Sensory Cilia in <i>C. elegans</i> . <i>Current Biology</i> , 2011, 21, 1685-1694.	3.9	99
34	Sperm Status Regulates Sexual Attraction in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2011, 189, 1341-1346.	2.9	46
35	Functional Specialization of Sensory Cilia by an RFX Transcription Factor Isoform. <i>Genetics</i> , 2010, 186, 1295-1307.	2.9	32
36	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.	3.9	55

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37	Identification of genes involved in the ciliary trafficking of <i>C. elegans</i> PKD-2. <i>Developmental Dynamics</i> , 2008, 237, 2021-2029.	1.8	29
38	Distinct protein domains regulate ciliary targeting and function of <i>C. elegans</i> PKD-2. <i>Experimental Cell Research</i> , 2008, 314, 825-833.	2.6	12
39	The <i>Caenorhabditis elegans</i> nephrocystins act as global modifiers of cilium structure. <i>Journal of Cell Biology</i> , 2008, 180, 973-988.	5.2	104
40	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
41	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.	3.6	65
42	STAM and Hrs Down-Regulate Ciliary TRP Receptors. <i>Molecular Biology of the Cell</i> , 2007, 18, 3277-3289.	2.1	61
43	General and cell-type specific mechanisms target TRPP2/PKD-2 to cilia. <i>Development (Cambridge)</i> , 2006, 133, 3859-3870.	2.5	95
44	Casein Kinase II and Calcineurin Modulate TRPP Function and Ciliary Localization. <i>Molecular Biology of the Cell</i> , 2006, 17, 2200-2211.	2.1	69
45	Male mating behavior. <i>WormBook</i> , 2006, , 1-11.	5.3	90
46	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.	3.9	120
47	Intraflagellar Transport Is Required for the Vectorial Movement of TRPV Channels in the Ciliary Membrane. <i>Current Biology</i> , 2005, 15, 1695-1699.	3.9	183
48	RNA Interference in <i>Caenorhabditis elegans</i> . <i>Methods in Enzymology</i> , 2005, 392, 36-55.	1.0	45
49	<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.	6.1	46
50	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.	2.6	55
51	Super models. <i>Physiological Genomics</i> , 2003, 13, 15-24.	2.3	68
52	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.	3.9	214
53	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.	3.9	293
54	A polycystic kidney-disease gene homologue required for male mating behaviour in <i>C. elegans</i> . <i>Nature</i> , 1999, 401, 386-389.	27.8	475

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Nature, 1999, 401, 386-389.	27.8	209
56	Cooperative interaction of S. pombe proteins required for mating and morphogenesis. Cell, 1994, 79, 131-141.	28.9	300
57	Sensory Cilia Act as a Specialized Venue for Regulated Extracellular Vesicle Biogenesis and Signaling. SSRN Electronic Journal, 0, , .	0.4	2