Oliver E Blacque

List of Publications by Year
in descending order

67 papers	6,975 citations	101543 36 h-index	110387 64 g-index
74 all docs	74 docs citations	74 times ranked	5765 citing authors

#	Article	IF	Citations
1	Interpreting ciliopathy-associated missense variants of uncertain significance (VUS) in Caenorhabditis elegans. Human Molecular Genetics, 2022, 31, 1574-1587.	2.9	9
2	Dawn and dusk peaks of outer segment phagocytosis, and visual cycle function require Rab28. FASEB Journal, 2022, 36, e22309.	0.5	6
3	Interpreting the pathogenicity of Joubert syndrome missense variants in Caenorhabditis elegans. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	17
4	A complement factor H homolog, heparan sulfation, and syndecan maintain inversin compartment boundaries in C. elegans cilia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2016698118.	7.1	1
5	CDKL kinase regulates the length of the ciliary proximal segment. Current Biology, 2021, 31, 2359-2373.e7.	3.9	11
6	Genetic Deletion of Zebrafish Rab28 Causes Defective Outer Segment Shedding, but Not Retinal Degeneration. Frontiers in Cell and Developmental Biology, 2020, 8, 136.	3.7	10
7	Ciliary Rab28 and the BBSome negatively regulate extracellular vesicle shedding. ELife, 2020, 9, .	6.0	46
8	ERICH3 in Primary Cilia Regulates Cilium Formation and the Localisations of Ciliary Transport and Sonic Hedgehog Signaling Proteins. Scientific Reports, 2019, 9, 16519.	3.3	11
9	Rab35 controls cilium length, function and membrane composition. EMBO Reports, 2019, 20, e47625.	4.5	35
10	Membrane retrieval, recycling and release pathways that organise and sculpt the ciliary membrane. Current Opinion in Cell Biology, 2019, 59, 133-139.	5.4	27
11	CiliaCarta: An integrated and validated compendium of ciliary genes. PLoS ONE, 2019, 14, e0216705.	2.5	104
12	EFHC1, implicated in juvenile myoclonic epilepsy, functions at the cilium and synapse to modulate dopamine signaling. ELife, 2019, 8, .	6.0	10
13	Endosome maturation factors Rabenosynâ€5/VPS45 and caveolinâ€1 regulate ciliary membrane and polycystinâ€2 homeostasis. EMBO Journal, 2018, 37, .	7.8	23
14	Rab GTPases in cilium formation and function. Small GTPases, 2018, 9, 76-94.	1.6	66
15	Role for intraflagellar transport in building a functional transition zone. EMBO Reports, 2018, 19, .	4.5	35
16	Intraflagellar Transport Complex A Genes Differentially Regulate Cilium Formation and Transition Zone Gating. Current Biology, 2018, 28, 3279-3287.e2.	3.9	38
17	Environmental responsiveness of tubulin glutamylation in sensory cilia is regulated by the p38 MAPK pathway. Scientific Reports, 2018, 8, 8392.	3.3	19
18	Fifteen years of research on oralâ€"facialâ€"digital syndromes: from 1 to 16 causal genes. Journal of Medical Genetics, 2017, 54, 371-380.	3.2	85

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19	Primary Cilium Formation and Ciliary Protein Trafficking Is Regulated by the Atypical MAP Kinase MAPK15 inCaenorhabditis elegansand Human Cells. Genetics, 2017, 207, 1423-1440.	2.9	25
20	MKS5 and CEP290 Dependent Assembly Pathway of the Ciliary Transition Zone. PLoS Biology, 2016, 14, e1002416.	5.6	98
21	Whole-Organism Developmental Expression Profiling Identifies RAB-28 as a Novel Ciliary GTPase Associated with the BBSome and Intraflagellar Transport. PLoS Genetics, 2016, 12, e1006469.	3.5	56
22	A Conserved Role for Girdin in Basal Body Positioning and Ciliogenesis. Developmental Cell, 2016, 38, 493-506.	7.0	44
23	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. Nature Communications, 2016, 7, 11491.	12.8	207
24	Cilia Train Spotting. Developmental Cell, 2016, 37, 395-396.	7.0	7
25	PACRG, a protein linked to ciliary motility, mediates cellular signaling. Molecular Biology of the Cell, 2016, 27, 2133-2144.	2.1	16
26	Recessive NEK9 mutation causes a lethal skeletal dysplasia with evidence of cell cycle and ciliary defects. Human Molecular Genetics, 2016, 25, 1824-1835.	2.9	44
27	TMEM107 recruits ciliopathy proteins to subdomains of the ciliary transition zone and causes JoubertÂsyndrome. Nature Cell Biology, 2016, 18, 122-131.	10.3	118
28	Structural and Functional Recovery of Sensory Cilia in C. elegans IFT Mutants upon Aging. PLoS Genetics, 2016, 12, e1006325.	3.5	20
29	Formation of the transition zone by Mks5/Rpgrip1L establishes a ciliary zone of exclusion (<scp>CIZE</scp>) that compartmentalises ciliary signalling proteins and controls <scp>PIP</scp>₂ ciliary abundance. EMBO Journal, 2015, 34, 2537-2556.	7.8	115
30	Image analysis of Caenorhabditis elegans ciliary transition zone structure, ultrastructure, molecular composition, and function. Methods in Cell Biology, 2015, 127, 323-347.	1.1	32
31	KIAA0556 is a novel ciliary basal body component mutated in Joubert syndrome. Genome Biology, 2015, 16, 293.	8.8	56
32	An siRNA-based functional genomics screen for theÂidentification of regulators of ciliogenesis and ciliopathyÂgenes. Nature Cell Biology, 2015, 17, 1074-1087.	10.3	215
33	Conserved Genetic Interactions between Ciliopathy Complexes Cooperatively Support Ciliogenesis and Ciliary Signaling. PLoS Genetics, 2015, 11, e1005627.	3.5	71
34	Compartments within a compartment. Organogenesis, 2014, 10, 126-137.	1.2	62
35	Striated Rootlet and Nonfilamentous Forms of Rootletin Maintain Ciliary Function. Current Biology, 2013, 23, 2016-2022.	3.9	50
36	Transmembrane protein OSTA-1 shapes sensory cilia morphology via regulation of intracellular membrane trafficking in C. elegans. Development (Cambridge), 2013, 140, 1560-1572.	2.5	26

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37	Active Transport and Diffusion Barriers Restrict Joubert Syndrome-Associated ARL13B/ARL-13 to an Inv-like Ciliary Membrane Subdomain. PLoS Genetics, 2013, 9, e1003977.	3.5	91
38	Transmembrane protein OSTA-1 shapes sensory cilia morphology via regulation of intracellular membrane trafficking in C. elegans. Journal of Cell Science, 2013, 126, e1-e1.	2.0	0
39	Carcinogens induce loss of the primary cilium in human renal proximal tubular epithelial cells independently of effects on the cell cycle. American Journal of Physiology - Renal Physiology, 2012, 302, F905-F916.	2.7	30
40	The base of the cilium: roles for transition fibres and the transition zone in ciliary formation, maintenance and compartmentalization. EMBO Reports, 2012, 13, 608-618.	4.5	420
41	Endocytosis Genes Facilitate Protein and Membrane Transport in C.Âelegans Sensory Cilia. Current Biology, 2012, 22, 451-460.	3.9	93
42	The Genetics of Outer Segment Morphogenesis in Zebrafish. Advances in Experimental Medicine and Biology, 2012, 723, 431-441.	1.6	2
43	Ciliated sensory neurons of C. elegans are regulated by tubulin polyglutamylation in response to the environmental stresses. Neuroscience Research, 2011, 71, e47.	1.9	0
44	TMEM237 Is Mutated in Individuals with a Joubert Syndrome Related Disorder and Expands the Role of the TMEM Family at the Ciliary Transition Zone. American Journal of Human Genetics, 2011, 89, 713-730.	6.2	178
45	MKS and NPHP modules cooperate to establish basal body/transition zone membrane associations and ciliary gate function during ciliogenesis. Journal of Cell Biology, 2011, 192, 1023-1041.	5.2	423
46	MISC-1/OGC Links Mitochondrial Metabolism, Apoptosis and Insulin Secretion. PLoS ONE, 2011, 6, e17827.	2.5	23
47	Joubert syndrome Arl13b functions at ciliary membranes and stabilizes protein transport in Caenorhabditis elegans. Journal of Cell Biology, 2010, 188, 953-969.	5.2	174
48	Joubert syndrome Arl13b functions at ciliary membranes and stabilizes protein transport in Caenorhabditis elegans. Journal of Cell Biology, 2010, 189, 187-187.	5.2	1
49	The AP-1 clathrin adaptor facilitates cilium formation and functions with RAB-8 in C. elegans ciliary membrane transport. Journal of Cell Science, 2010, 123, 3966-3977.	2.0	52
50	Identification of Tubulin Deglutamylase among Caenorhabditis elegans and Mammalian Cytosolic Carboxypeptidases (CCPs). Journal of Biological Chemistry, 2010, 285, 22936-22941.	3.4	95
51	Localization of a Guanylyl Cyclase to Chemosensory Cilia Requires the Novel Ciliary MYND Domain Protein DAF-25. PLoS Genetics, 2010, 6, e1001199.	3.5	21
52	Functional Genomics of Intraflagellar Transport-Associated Proteins in C. elegans. Methods in Cell Biology, 2009, 93, 267-304.	1.1	12
53	Functional interactions between the ciliopathy-associated Meckel syndrome 1 (MKS1) protein and two novel MKS1-related (MKSR) proteins. Journal of Cell Science, 2009, 122, 611-624.	2.0	71
54	Intraflagellar transport: from molecular characterisation to mechanism. Frontiers in Bioscience - Landmark, 2008, 13, 2633.	3.0	77

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55	Sensory Ciliogenesis in Caenorhabditis elegans: Assignment of IFT Components into Distinct Modules Based on Transport and Phenotypic Profiles. Molecular Biology of the Cell, 2007, 18, 1554-1569.	2.1	134
56	Identification of ciliary and ciliopathy genes in Caenorhabditis elegans through comparative genomics. Genome Biology, 2006, 7, R126.	9.6	86
57	Bardet-Biedl syndrome: an emerging pathomechanism of intracellular transport. Cellular and Molecular Life Sciences, 2006, 63, 2145-2161.	5.4	176
58	The WD Repeat-containing Protein IFTA-1 Is Required for Retrograde Intraflagellar Transport. Molecular Biology of the Cell, 2006, 17, 5053-5062.	2.1	94
59	Mechanism of transport of IFT particles in C. elegans cilia by the concerted action of kinesin-II and OSM-3 motors. Journal of Cell Biology, 2006, 174, 1035-1045.	5.2	178
60	Caenorhabditis elegans DYF-2, an Orthologue of Human WDR19, Is a Component of the Intraflagellar Transport Machinery in Sensory Cilia. Molecular Biology of the Cell, 2006, 17, 4801-4811.	2.1	68
61	Functional coordination of intraflagellar transport motors. Nature, 2005, 436, 583-587.	27.8	355
62	Functional Genomics of the Cilium, a Sensory Organelle. Current Biology, 2005, 15, 935-941.	3.9	245
63	Loss of C. elegans BBS-7 and BBS-8 protein function results in cilia defects and compromised intraflagellar transport. Genes and Development, 2004, 18, 1630-1642.	5.9	318
64	Mutations in a member of the Ras superfamily of small GTP-binding proteins causes Bardet-Biedl syndrome. Nature Genetics, 2004, 36, 989-993.	21.4	313
65	Comparative Genomics Identifies a Flagellar and Basal Body Proteome that Includes the BBS5 Human Disease Gene. Cell, 2004, 117, 541-552.	28.9	721
66	Basal body dysfunction is a likely cause of pleiotropic Bardetâ€"Biedl syndrome. Nature, 2003, 425, 628-633.	27.8	607
67	Evidence for a Direct Interaction between the Tumor Suppressor Serpin, Maspin, and Types I and III Collagen. Journal of Biological Chemistry, 2002, 277, 10783-10788.	3.4	94