Laurence Pelletier

List of Publications by Year
in descending order

75	10,084	66343 42	82547 72
papers	citations	h-index	g-index

86	86	86	12939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Saturation variant interpretation using CRISPR prime editing. Nature Biotechnology, 2022, 40, 885-895.	17.5	86
2	Aggresome assembly at the centrosome is driven by CP110â€“CEP97â€“CEP290 and centriolar satellites. Nature Cell Biology, 2022, 24, 483-496.	10.3	18
3	Charting the complex composite nature of centrosomes, primary cilia and centriolar satellites. Current Opinion in Structural Biology, 2021, 66, 32-40.	5.7	9
4	A multiplexed, next generation sequencing platform for high-throughput detection of SARS-CoV-2. Nature Communications, 2021, 12, 1405.	12.8	33
5	Comparison of SARS-CoV-2 indirect and direct RT-qPCR detection methods. Virology Journal, 2021, 18, 99.	3.4	22
6	CDKL kinase regulates the length of the ciliary proximal segment. Current Biology, 2021, 31, 2359-2373.e7.	3.9	11
7	A proximity-dependent biotinylation map of a human cell. Nature, 2021, 595, 120-124.	27.8	263
8	Centriolar satellite biogenesis and function in vertebrate cells. Journal of Cell Science, 2020, 133, .	2.0	73
9	The NEMP family supports metazoan fertility and nuclear envelope stiffness. Science Advances, 2020, 6, eabb4591.	10.3	11
10	Direct interaction between CEP85 and STIL mediates PLk4-driven directed cell migration. Journal of Cell Science, 2020, 133, .	2.0	9
11	LUZP1 and the tumor suppressor EPLIN modulate actin stability to restrict primary cilia formation. Journal of Cell Biology, 2020, 219, .	5.2	25
12	Spatial and proteomic profiling reveals centrosomeâ€independent features of centriolar satellites. EMBO Journal, 2019, 38, e101109.	7.8	73
13	Atypical function of a centrosomal module in WNT signalling drives contextual cancer cell motility. Nature Communications, 2019, 10, 2356.	12.8	22
14	Interactome Rewiring Following Pharmacological Targeting of BET Bromodomains. Molecular Cell, 2019, 73, 621-638.e17.	9.7	135
15	A magic bullet for targeting cancers with supernumerary centrosomes. EMBO Journal, 2019, 38, .	7.8	1
16	CDKL Family Kinases Have Evolved Distinct Structural Features and Ciliary Function. Cell Reports, 2018, 22, 885-894.	6.4	48
17	Direct binding of CEP85 to STIL ensures robust PLK4 activation and efficient centriole assembly. Nature Communications, 2018, 9, 1731.	12.8	32
18	Global Interactomics Uncovers Extensive Organellar Targeting by Zika Virus. Molecular and Cellular Proteomics, 2018, 17, 2242-2255.	3.8	112

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19	Mitotic spindle assembly in animal cells: a fine balancing act. Nature Reviews Molecular Cell Biology, 2017, 18, 187-201.	37.0	315
20	Centrosome Biology: Polymer-Based CentrosomeÂMaturation. Current Biology, 2017, 27, R836-R839.	3.9	12
21	ProHits-viz: a suite of web tools for visualizing interaction proteomics data. Nature Methods, 2017, 14, 645-646.	19.0	160
22	CEP19 cooperates with FOP and CEP350 to drive early steps in the ciliogenesis programme. Open Biology, 2017, 7, 170114.	3.6	46
23	The Ciliary Transition Zone: Finding the Pieces and Assembling the Gate. Molecules and Cells, 2017, 40, 243-253.	2.6	145
24	Pooledâ€matrix protein interaction screens using Barcode Fusion Genetics. Molecular Systems Biology, 2016, 12, 863.	7.2	102
25	53BP1 Goes Back to Its p53 Roots. Molecular Cell, 2016, 64, 3-4.	9.7	5
26	Phenotypic and Interaction Profiling of the Human Phosphatases Identifies Diverse Mitotic Regulators. Cell Reports, 2016, 17, 2488-2501.	6.4	81
27	DNA damage signalling targets the kinetochore to promote chromatin mobility. Nature Cell Biology, 2016, 18, 281-290.	10.3	82
28	A Dynamic Protein Interaction Landscape of the Human Centrosome-Cilium Interface. Cell, 2015, 163, 1484-1499.	28.9	446
29	DCDC2 Mutations Cause a Renal-Hepatic Ciliopathy by Disrupting Wnt Signaling. American Journal of Human Genetics, 2015, 96, 81-92.	6.2	98
30	Myotubularin-related Proteins 3 and 4 Interact with Polo-like Kinase 1 and Centrosomal Protein of 55 kDa to Ensure Proper Abscission. Molecular and Cellular Proteomics, 2015, 14, 946-960.	3.8	17
31	Centrosome Biology: The Ins and Outs of Centrosome Assembly. Current Biology, 2015, 25, R656-R659.	3.9	8
32	Nek5 promotes centrosome integrity in interphase and loss of centrosome cohesion in mitosis. Journal of Cell Biology, 2015, 209, 339-348.	5.2	40
33	PTEN regulates cilia through Dishevelled. Nature Communications, 2015, 6, 8388.	12.8	55
34	The Deubiquitinase USP37 Regulates Chromosome Cohesion and Mitotic Progression. Current Biology, 2015, 25, 2290-2299.	3.9	34
35	Cep192 Controls the Balance of Centrosome and Non-Centrosomal Microtubules during Interphase. PLoS ONE, 2014, 9, e101001.	2.5	36
36	Amorphous no more: subdiffraction view of the pericentriolar material architecture. Trends in Cell Biology, 2014, 24, 188-197.	7.9	134

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37	Pericentrin: Critical for Spindle Orientation. Current Biology, 2014, 24, R962-R964.	3.9	6
38	Formin-mediated actin polymerization promotesSalmonellainvasion. Cellular Microbiology, 2013, 15, 2051-2063.	2.1	22
39	CEP120 and SPICE1 Cooperate with CPAP in Centriole Elongation. Current Biology, 2013, 23, 1360-1366.	3.9	153
40	A Strategy for Modulation of Enzymes in the Ubiquitin System. Science, 2013, 339, 590-595.	12.6	257
41	A negative genetic interaction map in isogenic cancer cell lines reveals cancer cell vulnerabilities. Molecular Systems Biology, 2013, 9, 696.	7.2	90
42	N-Cadherin Relocalizes from the Periphery to the Center of the Synapse after Transient Synaptic Stimulation in Hippocampal Neurons. PLoS ONE, 2013, 8, e79679.	2.5	21
43	Novel NEDD1 phosphorylation sites regulate Î³-tubulin binding and mitotic spindle assembly. Journal of Cell Science, 2012, 125, 3745-51.	2.0	36
44	Interaction Proteomics Identify NEURL4 and the HECT E3 Ligase HERC2 as Novel Modulators of Centrosome Architecture. Molecular and Cellular Proteomics, 2012, 11, M111.014233.	3.8	57
45	CEP192 interacts physically and functionally with the K63-deubiquitinase CYLD to promote mitotic spindle assembly. Cell Cycle, 2012, 11, 3555-3558.	2.6	28
46	Subdiffraction imaging of centrosomes reveals higher-order organizational features of pericentriolar material. Nature Cell Biology, 2012, 14, 1148-1158.	10.3	337
47	Centrosome asymmetry and inheritance during animal development. Current Opinion in Cell Biology, 2012, 24, 541-546.	5.4	68
48	Gravin Is a Transitory Effector of Polo-like Kinase 1 during Cell Division. Molecular Cell, 2012, 48, 547-559.	9.7	36
49	Salmonella exploits Arl8B-directed kinesin activity to promote endosome tubulation and cell-to-cell transfer. Cellular Microbiology, 2011, 13, 1812-1823.	2.1	43
50	Structure-Function Analysis of Core STRIPAK Proteins. Journal of Biological Chemistry, 2011, 286, 25065-25075.	3.4	136
51	Centrosome Biogenesis: Centrosomin Sizes Things Up!. Current Biology, 2010, 20, R1069-R1071.	3.9	0
52	Systematic Analysis of Human Protein Complexes Identifies Chromosome Segregation Proteins. Science, 2010, 328, 593-599.	12.6	465
53	HAUS, the 8-Subunit Human Augmin Complex, Regulates Centrosome and Spindle Integrity. Current Biology, 2009, 19, 816-826.	3.9	231
54	The RIDDLE Syndrome Protein Mediates a Ubiquitin-Dependent Signaling Cascade at Sites of DNA Damage. Cell, 2009, 136, 420-434.	28.9	673

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55	BAC TransgeneOmics: a high-throughput method for exploration of protein function in mammals. Nature Methods, 2008, 5, 409-415.	19.0	568
56	The Mammalian SPD-2 Ortholog Cep192 RegulatesÂCentrosome Biogenesis. Current Biology, 2008, 18, 136-141.	3.9	169
57	Centrosomes: Keeping Tumors in Check. Current Biology, 2008, 18, R702-R704.	3.9	3
58	Systems biology of mammalian cell division. Cell Cycle, 2008, 7, 2123-2128.	2.6	13
59	Orchestration of the DNA-Damage Response by the RNF8 Ubiquitin Ligase. Science, 2007, 318, 1637-1640.	12.6	800
60	Genome-scale RNAi profiling of cell division in human tissue culture cells. Nature Cell Biology, 2007, 9, 1401-1412.	10.3	270
61	Centrioles: Duplicating Precariously. Current Biology, 2007, 17, R770-R773.	3.9	10
62	Protein phosphatase 2A protects centromeric sister chromatid cohesion during meiosis I. Nature, 2006, 441, 53-61.	27.8	419
63	Centriole assembly in Caenorhabditis elegans. Nature, 2006, 444, 619-623.	27.8	358
64	The C. elegans Centrosome during Early Embryonic Development. , 2005, , 225-250.		0
65	Aurora A phosphorylation of TACC3/maskin is required for centrosome-dependent microtubule assembly in mitosis. Journal of Cell Biology, 2005, 170, 1047-1055.	5.2	248
66	RNA interference rescue by bacterial artificial chromosome transgenesis in mammalian tissue culture cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2396-2401.	7.1	88
67	Golgin Tethers Define Subpopulations of COPI Vesicles. Science, 2005, 307, 1095-1098.	12.6	178
68	An endoribonuclease-prepared siRNA screen in human cells identifies genes essential for cell division. Nature, 2004, 432, 1036-1040.	27.8	369
69	The Caenorhabditis elegans Centrosomal Protein SPD-2 Is Required for both Pericentriolar Material Recruitment and Centriole Duplication. Current Biology, 2004, 14, 863-873.	3.9	225
70	Centriole Assembly Requires Both Centriolar and Pericentriolar Material Proteins. Developmental Cell, 2004, 7, 815-829.	7.0	273
71	The AP-1A and AP-1B clathrin adaptor complexes define biochemically and functionally distinct membrane domains. Journal of Cell Biology, 2003, 163, 351-362.	5.2	188
72	Transferrin receptor recycling in the absence of perinuclear recycling endosomes. Journal of Cell Biology, 2002, 156, 797-804.	5.2	129

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73	Golgi biogenesis in Toxoplasma gondii. Nature, 2002, 418, 548-552.	27.8	184
74	The effect of Golgi depletion on exocytic transport. Nature Cell Biology, 2000, 2, 840-846.	10.3	66
75	Global cellular response to chemical perturbation of PLK4 activity and abnormal centrosome number. ELife, 0, 11, .	6.0	2