Benjamin Vitre

List of Publications by Year
in descending order

22 papers	1,436 citations	567281 15 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	2221 citing authors

#	Article	IF	Citations
1	Centrosome Amplification Is Sufficient to Promote Spontaneous Tumorigenesis in Mammals. Developmental Cell, 2017, 40, 313-322.e5.	7.0	291
2	EB1 regulates microtubule dynamics and tubulin sheet closure in vitro. Nature Cell Biology, 2008, 10, 415-421.	10.3	241
3	Chromosome missegregation rate predicts whether aneuploidy will promote or suppress tumors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4134-41.	7.1	207
4	Kinetochore kinesin CENP-E is a processive bi-directional tracker of dynamic microtubule tips. Nature Cell Biology, 2013, 15, 1079-1088.	10.3	122
5	Centrosomes, chromosome instability (CIN) and aneuploidy. Current Opinion in Cell Biology, 2012, 24, 809-815.	5.4	103
6	Mutations in CENPE define a novel kinetochore-centromeric mechanism for microcephalic primordial dwarfism. Human Genetics, 2014, 133, 1023-1039.	3.8	82
7	Chronic centrosome amplification without tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6321-30.	7.1	70
8	Transient genomic instability drives tumorigenesis through accelerated clonal evolution. Genes and Development, 2021, 35, 1093-1108.	5.9	48
9	Epidermal development, growth control, and homeostasis in the face of centrosome amplification. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6311-20.	7.1	46
10	Kinetochoreâ€“microtubule attachment throughout mitosis potentiated by the elongated stalk of the kinetochore kinesin CENP-E. Molecular Biology of the Cell, 2014, 25, 2272-2281.	2.1	40
11	Bimodal activation of BubR1 by Bub3 sustains mitotic checkpoint signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4185-93.	7.1	37
12	Polo-like kinase 4 controls centriole duplication but does not directly regulate cytokinesis. Molecular Biology of the Cell, 2012, 23, 1838-1845.	2.1	35
13	Structural basis of EB1 effects on microtubule dynamics. Biochemical Society Transactions, 2009, 37, 997-1001.	3.4	25
14	IFT proteins spatially control the geometry of cleavage furrow ingression and lumen positioning. Nature Communications, 2017, 8, 1928.	12.8	20
15	Probing Mitotic CENP-E Kinesin with the Tethered Cargo Motion Assay and Laser Tweezers. Biophysical Journal, 2018, 114, 2640-2652.	0.5	19
16	<scp>IFT</scp> proteins interact with <scp>HSET</scp> to promote supernumerary centrosome clustering in mitosis. EMBO Reports, 2020, 21, e49234.	4.5	19
17	Intraflagellar Transport Complex B Proteins Regulate the Hippo Effector Yap1 during Cardiogenesis. Cell Reports, 2020, 32, 107932.	6.4	13
18	IFT88 controls NuMA enrichment at k-fibers minus-ends to facilitate their re-anchoring into mitotic spindles. Scientific Reports, 2019, 9, 10311.	3.3	9

#	Article	IF	Citations
19	Non-ciliary Roles of IFT Proteins in Cell Division and Polycystic Kidney Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 578239.	3.7	8
20	Mitotic Kinesin CENP-E is a Robust Tracker of Dynamic Microtubule ends. Biophysical Journal, 2012, 102, 703a.	0.5	0
21	Kinetochore Kinesin CENP-E Tracks the Tips of Dynamic Microtubules via the â€˜Tethered Motorâ€™ Mechanism. Biophysical Journal, 2013, 104, 326a-327a.	0.5	0
22	Abstract 3302: Antisense oligonucleotide depletion of the mitotic kinesin Eg5 by direct delivery to the brain could be a useful strategy for treating glioma tumors.. , 2013, , .		0