

Fernando Cabral

List of Publications by Year in descending order

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51
papers

2,357
citations

201385

27
h-index

214527

47
g-index

51
all docs

51
docs citations

51
times ranked

2218
citing authors

#	ARTICLE	IF	CITATIONS
1	β III-Tubulin Induces Paclitaxel Resistance in Association with Reduced Effects on Microtubule Dynamic Instability. <i>Journal of Biological Chemistry</i> , 2005, 280, 12902-12907.	1.6	230
2	CHO mutants resistant to colchicine, colcemid or griseofulvin have an altered β 2-tubulin. <i>Cell</i> , 1980, 20, 29-36.	13.5	207
3	Inhibition of Cell Migration and Cell Division Correlates with Distinct Effects of Microtubule Inhibiting Drugs. <i>Journal of Biological Chemistry</i> , 2010, 285, 32242-32250.	1.6	137
4	Expression of class III β -tubulin reduces microtubule assembly and confers resistance to paclitaxel. <i>Cytoskeleton</i> , 2003, 56, 45-56.	4.4	132
5	A β 2-Tubulin Leucine Cluster Involved in Microtubule Assembly and Paclitaxel Resistance. <i>Journal of Biological Chemistry</i> , 1999, 274, 23875-23882.	1.6	125
6	Paclitaxel-Dependent Cell Lines Reveal a Novel Drug Activity. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2914-2923.	1.9	108
7	The Role of Microtubules and Their Dynamics in Cell Migration. <i>Journal of Biological Chemistry</i> , 2012, 287, 43359-43369.	1.6	107
8	A Ubiquitous β 2-tubulin Disrupts Microtubule Assembly and Inhibits Cell Proliferation. <i>Molecular Biology of the Cell</i> , 2004, 15, 3123-3131.	0.9	89
9	Human Mutations That Confer Paclitaxel Resistance. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 327-335.	1.9	83
10	Mutations in alpha- and beta-tubulin that stabilize microtubules and confer resistance to colcemid and vinblastine. <i>Molecular Cancer Therapeutics</i> , 2003, 2, 597-605.	1.9	79
11	Effects of Orally Active Taxanes on P-Glycoprotein Modulation and Colon and Breast Carcinoma Drug Resistance. <i>Journal of the National Cancer Institute</i> , 2001, 93, 1234-1245.	3.0	74
12	Mechanisms by which mammalian cells acquire resistance to drugs that affect microtubule assembly. <i>FASEB Journal</i> , 1989, 3, 1593-1599.	0.2	71
13	Overexpression of Mitotic Centromere-Associated Kinesin Stimulates Microtubule Detachment and Confers Resistance to Paclitaxel. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 929-937.	1.9	60
14	Resistance to antimetabolic agents as genetic probes of microtubule structure and function. , 1991, 52, 159-171.		49
15	Paclitaxel-dependent mutants have severely reduced microtubule assembly and reduced tubulin synthesis. <i>Journal of Cell Science</i> , 2002, 115, 3469-3478.	1.2	49
16	Paclitaxel-dependent mutants have severely reduced microtubule assembly and reduced tubulin synthesis. <i>Journal of Cell Science</i> , 2002, 115, 3469-78.	1.2	44
17	Factors determining cellular mechanisms of resistance to antimetabolic drugs. <i>Drug Resistance Updates</i> , 2001, 4, 3-8.	6.5	43
18	Overexpression of an epitope-tagged β -tubulin in Chinese hamster ovary cells causes an increase in endogenous β -tubulin synthesis. <i>Cytoskeleton</i> , 1995, 31, 259-272.	4.4	37

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19	Mitotic Centromere-associated Kinesin (MCAK) Mediates Paclitaxel Resistance. <i>Journal of Biological Chemistry</i> , 2011, 286, 36378-36384.	1.6	37
20	Revertants of a Chinese Hamster Ovary Cell Mutant with an Altered β -Tubulin: Evidence that the Altered Tubulin Confers Both Colcemid Resistance and Temperature Sensitivity on the Cell. <i>Molecular and Cellular Biology</i> , 1982, 2, 720-729.	1.1	34
21	Class III β -Tubulin Counteracts the Ability of Paclitaxel to Inhibit Cell Migration. <i>Oncotarget</i> , 2011, 2, 368-377.	0.8	33
22	Paclitaxel resistance in cells with reduced β -tubulin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1744, 245-255.	1.9	32
23	Mutations at Leucine 215 of β -Tubulin Affect Paclitaxel Sensitivity by Two Distinct Mechanisms. <i>Biochemistry</i> , 2006, 45, 185-194.	1.2	32
24	Molecular Basis for Class V β -Tubulin Effects on Microtubule Assembly and Paclitaxel Resistance. <i>Journal of Biological Chemistry</i> , 2009, 284, 13023-13032.	1.6	32
25	Mutations Affecting β -Tubulin Folding and Degradation. <i>Journal of Biological Chemistry</i> , 2006, 281, 13628-13635.	1.6	31
26	Microtubule Dynamics Control Tail Retraction in Migrating Vascular Endothelial Cells. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 2837-2846.	1.9	30
27	New insights into mechanisms of resistance to microtubule inhibitors. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2011, 1816, 164-171.	3.3	29
28	Intra-Allelic Suppression of a Mutation that Stabilizes Microtubules and Confers Resistance to Colcemid. <i>Biochemistry</i> , 2004, 43, 8965-8973.	1.2	27
29	A direct test of the hypothesis that increased microtubule network density contributes to contractile dysfunction of the hypertrophied heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2231-H2241.	1.5	27
30	Elimination of permeability mutants from selections for drug resistance in mammalian cells. <i>FASEB Journal</i> , 1989, 3, 163-168.	0.2	26
31	Class V β -tubulin alters dynamic instability and stimulates microtubule detachment from centrosomes. <i>Molecular Biology of the Cell</i> , 2011, 22, 1025-1034.	0.9	26
32	The determination of similarities in amino acid composition among proteins separated by two-dimensional gel electrophoresis. <i>Analytical Biochemistry</i> , 1978, 91, 548-556.	1.1	24
33	Cell cycle dependent degradation of MCAK: Evidence against a role in anaphase chromosome movement. <i>Cell Cycle</i> , 2008, 7, 3187-3193.	1.3	22
34	Revertants of a Chinese Hamster Ovary Cell Mutant with an Altered β -Tubulin: Evidence that the Altered Tubulin Confers Both Colcemid Resistance and Temperature Sensitivity on the Cell. <i>Molecular and Cellular Biology</i> , 1982, 2, 720-729.	1.1	22
35	Amino acid substitutions at proline 220 of β -tubulin confer resistance to paclitaxel and colcemid. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2798-2806.	1.9	21
36	Random Mutagenesis of β -Tubulin Defines a Set of Dispersed Mutations That Confer Paclitaxel Resistance. <i>Pharmaceutical Research</i> , 2012, 29, 2994-3006.	1.7	21

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37	Megakaryocyte lineage-specific class VI β -tubulin suppresses microtubule dynamics, fragments microtubules, and blocks cell division. <i>Cytoskeleton</i> , 2011, 68, 175-187.	1.0	20
38	A minor β -tubulin essential for mammalian cell proliferation. <i>Cytoskeleton</i> , 2008, 65, 708-720.	4.4	19
39	Peloruside A is a microtubule-stabilizing agent with exceptional anti-migratory properties in human endothelial cells. <i>Oncoscience</i> , 2015, 2, 585-595.	0.9	19
40	Paclitaxel resistance by random mutagenesis of β -tubulin. <i>Cytoskeleton</i> , 2013, 70, 849-862.	1.0	18
41	Heightened Sensitivity to Paclitaxel in Class IVa β -Tubulin-transfected Cells Is Lost as Expression Increases. <i>Journal of Biological Chemistry</i> , 2007, 282, 27058-27066.	1.6	17
42	Mechanisms of Resistance to Drugs That Interfere with Microtubule Assembly. , 2008, , 337-356.		8
43	Detection and Quantification of Microtubule Detachment from Centrosomes and Spindle Poles. <i>Methods in Cell Biology</i> , 2013, 115, 49-62.	0.5	6
44	The arresting action of microtubules in cell motility. <i>Cell Cycle</i> , 2011, 10, 2614-2615.	1.3	5
45	Tubulin isotype specificity and identification of the epitope for antibody Tub 2.1. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 625-629.	1.0	4
46	Control of MCAK degradation and removal from centromeres. <i>Cytoskeleton</i> , 2012, 69, 303-311.	1.0	3
47	Identification of methionine-containing tryptic peptides of unstable β -tubulin separated by reverse-phase high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 1990, 184, 28-34.	1.1	2
48	Alterations in microtubule assembly caused by the microtubule-active drug LY195448. <i>Cytoskeleton</i> , 1991, 19, 9-17.	4.4	2
49	Significant divergence in nucleotide sequences for β -tubulin from different laboratory strains of Chinese hamster ovary cells. <i>DNA Sequence</i> , 1996, 6, 171-174.	0.7	2
50	Genetic Dissection of the Assembly of Microtubules and Their Role in Mitosis. , 1984, 5, 313-340.		2
51	Kinesin-13 Microtubule Depolymerizing Proteins as Targets for Cancer Therapy. , 2015, , 117-133.		0