Graziella Cappelletti

List of Publications by Year
in descending order

61 papers	1,834 citations	257450 24 h-index	289244 40 g-index
64 all docs	64 docs citations	64 times ranked	2734 citing authors

#	Article	IF	Citations
1	Mesenchymal Stromal Cells Primed with Paclitaxel Provide a New Approach for Cancer Therapy. PLoS ONE, 2011, 6, e28321.	2.5	146
2	Microtubule dysfunction precedes transport impairment and mitochondria damage in MPP⁺â€induced neurodegeneration. Journal of Neurochemistry, 2010, 115, 247-258.	3.9	109
3	Microtubule Alterations Occur Early in Experimental Parkinsonism and The Microtubule Stabilizer Epothilone D Is Neuroprotective. Scientific Reports, 2013, 3, 1837.	3.3	103
4	Pleiotropic effects of spastin on neurite growth depending on expression levels. Journal of Neurochemistry, 2009, 108, 1277-1288.	3.9	84
5	Î±-Synuclein is a Novel Microtubule Dynamase. Scientific Reports, 2016, 6, 33289.	3.3	79
6	The parkinsonism producing neurotoxin MPP+affects microtubule dynamics by acting as a destabilising factor. FEBS Letters, 2005, 579, 4781-4786.	2.8	68
7	APOPTOSIS IN HUMAN LUNG EPITHELIAL CELLS: TRIGGERING BY PARAQUAT AND MODULATION BY ANTIOXIDANTS. Cell Biology International, 1998, 22, 671-678.	3.0	56
8	Inhibitors of tubulin polymerization: Synthesis and biological evaluation of hybrids of vindoline, anhydrovinblastine and vinorelbine with thiocolchicine, podophyllotoxin and baccatin III. Bioorganic and Medicinal Chemistry, 2008, 16, 6269-6285.	3.0	56
9	Boric acid inhibits embryonic histone deacetylases: A suggested mechanism to explain boric acid-related teratogenicity. Toxicology and Applied Pharmacology, 2007, 220, 178-185.	2.8	53
10	Characterization of nitroproteome in neuron-like PC12 cells differentiated with nerve growth factor: Identification of two nitration sites in Î±-tubulin. Proteomics, 2005, 5, 2422-2432.	2.2	49
11	Synthesis and biological evaluation of novel thiocolchicineâ€“podophyllotoxin conjugates. European Journal of Medicinal Chemistry, 2010, 45, 219-226.	5.5	48
12	Protein tyrosine nitration is triggered by nerve growth factor during neuronal differentiation of PC12 cells. Experimental Cell Research, 2003, 288, 9-20.	2.6	47
13	Microtubule Destabilization Is Shared by Genetic and Idiopathic Parkinsonâ€™s Disease Patient Fibroblasts. PLoS ONE, 2012, 7, e37467.	2.5	43
14	Parkin absence accelerates microtubule aging in dopaminergic neurons. Neurobiology of Aging, 2018, 61, 66-74.	3.1	43
15	Influence of MPP+ on the state of tubulin polymerisation in NGF-differentiated PC12 cells. , 1999, 56, 28-35.		42
16	Parkin regulates kainate receptors by interacting with the GluK2 subunit. Nature Communications, 2014, 5, 5182.	12.8	42
17	Î±-Synuclein oligomers in skin biopsy of idiopathic and monozygotic twin patients with Parkinsonâ€™s disease. Brain, 2020, 143, 920-931.	7.6	41
18	In silico design of tubulin-targeted antimitotic peptides. Nature Chemistry, 2009, 1, 642-648.	13.6	38

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19	Neuritin 1 promotes neuronal migration. Brain Structure and Function, 2014, 219, 105-118.	2.3	34
20	New class of squalene-based releasable nanoassemblies of paclitaxel, podophyllotoxin, camptothecin and epothilone A. European Journal of Medicinal Chemistry, 2014, 85, 179-190.	5.5	34
21	Neuritin (cpg15) enhances the differentiating effect of NGF on neuronal PC12 cells. Journal of Neuroscience Research, 2007, 85, 2702-2713.	2.9	33
22	New sulfurated derivatives of valproic acid with enhanced histone deacetylase inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1893-1897.	2.2	33
23	The nitration of Ï„ protein in neurone-like PC12 cells. FEBS Letters, 2004, 562, 35-39.	2.8	27
24	Frataxin silencing alters microtubule stability in motor neurons: implications for Friedreichâ€™s ataxia. Human Molecular Genetics, 2016, 25, 4288-4301.	2.9	27
25	Neuronal microtubules and proteins linked to Parkinsonâ€™s disease: a relevant interaction?. Biological Chemistry, 2019, 400, 1099-1112.	2.5	25
26	MICROTUBULE ASSEMBLY IS DIRECTLY AFFECTED BY MPP+IN VITRO. Cell Biology International, 2001, 25, 981-984.	3.0	24
27	Linking microtubules to Parkinson's disease: the case of parkin. Biochemical Society Transactions, 2015, 43, 292-296.	3.4	24
28	Tyrosine Nitration is a Novel Post-translational Modification Occurring on the Neural Intermediate Filament Protein Peripherin. Neurochemical Research, 2007, 32, 433-441.	3.3	22
29	Tubulin-guided dynamic combinatorial library of thiocolchicineâ€“podophyllotoxin conjugates. Tetrahedron, 2011, 67, 7354-7357.	1.9	22
30	CRISPR/Cas9-mediated generation of a tyrosine hydroxylase reporter iPSC line for live imaging and isolation of dopaminergic neurons. Scientific Reports, 2019, 9, 6811.	3.3	22
31	Protein tyrosine nitration is associated with cold- and drug-resistant microtubules in neuronal-like PC12 cells. Neuroscience Letters, 2006, 401, 159-164.	2.1	20
32	The Inhibition of Embryonic Histone Deacetylases as the Possible Mechanism Accounting for Axial Skeletal Malformations Induced by Sodium Salicylate. Toxicological Sciences, 2008, 104, 397-404.	3.1	20
33	Selfâ€Assembled Squaleneâ€based Fluorescent Heteronanoparticles. ChemPlusChem, 2015, 80, 47-49.	2.8	18
34	Microtubule acetylation: A reading key to neural physiology and degeneration. Neuroscience Letters, 2021, 755, 135900.	2.1	18
35	Synthesis, Modelling, and Antimitotic Properties of Tricyclic Systems Characterised by a 2â€(5â€Phenylâ€1Hâ€pyrrolâ€3â€yl)â€1,3,4â€oxadiazole Moiety. ChemMedChem, 2009, 4, 998-1009.	3.2	17
36	New aryldithiolethione derivatives as potent histone deacetylase inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 4187-4194.	3.0	17

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37	Phospho-HDAC6 Gathers Into Protein Aggregates in Parkinsonâ€™s Disease and Atypical Parkinsonisms. Frontiers in Neuroscience, 2020, 14, 624.	2.8	17
38	N-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) induces cytoskeletal alterations on â€˜Swiss 3T3â€™ mouse fibroblasts. Neuroscience Letters, 1991, 129, 149-152.	2.1	16
39	Antimitotic effect of the retinoid 4-oxo-fenretinide through inhibition of tubulin polymerization: a novel mechanism of retinoid growthâ€“inhibitory activity. Molecular Cancer Therapeutics, 2009, 8, 3360-3368.	4.1	16
40	Involvement of tubulin in MPP+ neurotoxicity on NGF-differentiated PC12 cells.. Cell Biology International, 1995, 19, 687-694.	3.0	15
41	Centaurin-Î±2 Interacts with Î²-Tubulin and Stabilizes Microtubules. PLoS ONE, 2012, 7, e52867.	2.5	15
42	Tau is Endogenously Nitrated in Mouse Brain: Identification of a Tyrosine Residue Modified InÂvivo by NO. Neurochemical Research, 2008, 33, 518-525.	3.3	14
43	Synthesis of Pironetinâ€“Dumetorine Hybrids as Tubulin Binders. European Journal of Organic Chemistry, 2016, 2016, 2029-2036.	2.4	14
44	Synthesis and biological evaluation of epothilone A dimeric compounds. Bioorganic and Medicinal Chemistry, 2009, 17, 7435-7440.	3.0	13
45	Molecular dynamics and tubulin polymerization kinetics study on 1,14-heterofused taxanes: evidence of stabilization of the tubulin head-to-tail dimerâ€“dimer interaction. Molecular BioSystems, 2012, 8, 3254.	2.9	13
46	Tools for the rational design of bivalent microtubule-targeting drugs. Biochemical and Biophysical Research Communications, 2016, 479, 48-53.	2.1	10
47	The Association between Î±-Synuclein and Î±-Tubulin in Brain Synapses. International Journal of Molecular Sciences, 2021, 22, 9153.	4.1	10
48	Astrocytes expressing Vitamin Dâ€activating enzyme identify Parkinsonâ€™s disease. CNS Neuroscience and Therapeutics, 2022, 28, 703-713.	3.9	10
49	Microtubule-Directed Therapeutic Strategy for Neurodegenerative Disorders: Starting From the Basis and Looking on the Emergences. Current Pharmaceutical Design, 2017, 23, 784-808.	1.9	9
50	Microtubule defects in mesenchymal stromal cells distinguish patients with Progressive Supranuclear Palsy. Journal of Cellular and Molecular Medicine, 2018, 22, 2670-2679.	3.6	8
51	The imbalance between dynamic and stable microtubules underlies neurodegeneration induced by 2,5-hexanedione. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165581.	3.8	8
52	Poly (ADP-ribose) polymerase 1 and Parkinson's disease: A study in post-mortem human brain. Neurochemistry International, 2021, 144, 104978.	3.8	8
53	Preparation of Fluorescent Tubulin Binders. ChemPlusChem, 2013, 78, 222-226.	2.8	7
54	9â€Fluorenoneâ€2â€Carboxylic Acid as a Scaffold for Tubulin Interacting Compounds. ChemPlusChem, 2013, 78, 663-669.	2.8	7

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55	Actin filaments disassembly: A novel step in the genesis of paraquat toxicity?. Bulletin of Environmental Contamination and Toxicology, 1993, 50, 717-23.	2.7	5
56	Semisynthesis of New D-seco-C-nor-Taxane Derivatives Containing a Polyfunctionalized Furanosyl or Cyclopentenyl or Cyclopentyl C-Ring. Journal of Organic Chemistry, 2008, 73, 8893-8900.	3.2	5
57	The dipyridyls paraquat and diquat attenuate the interaction of G-actin with thymosin Î²4. FEBS Letters, 1998, 425, 495-498.	2.8	4
58	Î±-Synuclein regulates the partitioning between tubulin dimers and microtubules at neuronal growth cone. Communicative and Integrative Biology, 2017, 10, e1267076.	1.4	4
59	Epigenetic Approaches and Methods in Developmental Toxicology: Role of HDAC Inhibition in Teratogenic Events. Methods in Molecular Biology, 2012, 889, 373-383.	0.9	3
60	Role of Microtubules in the Genesis of MPTP Neurotoxicity. , 2000, , 55-58.		2
61	Preparation of Fluorescent Tubulin Binders. ChemPlusChem, 2013, 78, 202-202.	2.8	0