

MÃ³nica L Fanarraga

List of Publications by Year in descending order

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65
papers

2,221
citations

257357

24
h-index

233338

45
g-index

66
all docs

66
docs citations

66
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynactin is required for bidirectional organelle transport. <i>Journal of Cell Biology</i> , 2003, 160, 297-301.	2.3	281
2	Uncoupling of hypomyelination and glial cell death by a mutation in the proteolipid protein gene. <i>Nature</i> , 1992, 358, 758-761.	13.7	214
3	Review: Postchaperonin Tubulin Folding Cofactors and Their Role in Microtubule Dynamics. <i>Journal of Structural Biology</i> , 2001, 135, 219-229.	1.3	134
4	<p>Controlled drug delivery systems for cancer based on mesoporous silica nanoparticles</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3389-3401.	3.3	103
5	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. <i>Biomaterials</i> , 2017, 114, 62-70.	5.7	102
6	Expression of unphosphorylated class III β -tubulin isotype in neuroepithelial cells demonstrates neuroblast commitment and differentiation. <i>European Journal of Neuroscience</i> , 1999, 11, 516-527.	1.2	82
7	Multiwalled Carbon Nanotubes Display Microtubule Biomimetic Properties <i>in Vivo</i>, Enhancing Microtubule Assembly and Stabilization. <i>ACS Nano</i> , 2012, 6, 6614-6625.	7.3	71
8	Role of cofactors B (TBCB) and E (TBCE) in tubulin heterodimer dissociation. <i>Experimental Cell Research</i> , 2007, 313, 425-436.	1.2	64
9	Tubulin folding cofactor D is a microtubule destabilizing protein. <i>FEBS Letters</i> , 2000, 470, 93-95.	1.3	61
10	Nano-ZnO leads to tubulin microtubule assembly and actin bundling, triggering cytoskeletal catastrophe and cell necrosis. <i>Nanoscale</i> , 2016, 8, 10963-10973.	2.8	57
11	Rumpshaker: An X-linked mutation causing hypomyelination: Developmental differences in myelination and glial cells between the optic nerve and spinal cord. <i>Glia</i> , 1992, 5, 161-170.	2.5	54
12	TBCCD1, a new centrosomal protein, is required for centrosome and Golgi apparatus positioning. <i>EMBO Reports</i> , 2010, 11, 194-200.	2.0	50
13	Tubulin cofactor B plays a role in the neuronal growth cone. <i>Journal of Neurochemistry</i> , 2007, 100, 070209222715087-???	2.1	49
14	Oligodendrocyte progenitors in the embryonic spinal cord express DM-20. <i>Neuropathology and Applied Neurobiology</i> , 1996, 22, 188-198.	1.8	48
15	Multiwalled Carbon Nanotubes Hinder Microglia Function Interfering with Cell Migration and Phagocytosis. <i>Advanced Healthcare Materials</i> , 2014, 3, 424-432.	3.9	42
16	Developmental expression of major myelin protein genes in the CNS of X-Linked hypomyelinating mutant rumpshaker. <i>Journal of Neuroscience Research</i> , 1992, 33, 205-217.	1.3	40
17	Myelin mutants: New models and new observations. <i>Microscopy Research and Technique</i> , 1995, 32, 183-203.	1.2	38
18	O-2A progenitors of the mouse optic nerve exhibit a developmental pattern of antigen expression different from the rat. <i>Glia</i> , 1995, 15, 95-104.	2.5	38

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19	Oligodendrocyte development and differentiation in the rumpshaker mutation. <i>Glia</i> , 1993, 9, 146-156.	2.5	35
20	Multiwalled Carbon Nanotubes Inhibit Tumor Progression in a Mouse Model. <i>Advanced Healthcare Materials</i> , 2016, 5, 1080-1087.	3.9	30
21	Inhibition of Cancer Cell Migration by Multiwalled Carbon Nanotubes. <i>Advanced Healthcare Materials</i> , 2015, 4, 1640-1644.	3.9	29
22	TBCD Links Centriologenesi s, Spindle Microtubule Dynamics, and Midbody Abscission in Human Cells. <i>PLoS ONE</i> , 2010, 5, e8846.	1.1	27
23	Cellular vaccines in listeriosis: role of the <i>Listeria</i> antigen GAPDH. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 22.	1.8	25
24	Anti-Cancer Cytotoxic Effects of Multiwalled Carbon Nanotubes. <i>Current Pharmaceutical Design</i> , 2015, 21, 1920-1929.	0.9	25
25	Multi-walled carbon nanotubes complement the anti-tumoral effect of 5-Fluorouracil. <i>Oncotarget</i> , 2019, 10, 2022-2029.	0.8	25
26	Nanotube interactions with microtubules: implications for cancer medicine. <i>Nanomedicine</i> , 2014, 9, 1581-1588.	1.7	24
27	Regulated expression of p14 (cofactor A) during spermatogenesis. <i>Cytoskeleton</i> , 1999, 43, 243-254.	4.4	23
28	Biodegradable multi-walled carbon nanotubes trigger anti-tumoral effects. <i>Nanoscale</i> , 2018, 10, 11013-11020.	2.8	23
29	Carbon nanotubes gathered onto silica particles lose their biomimetic properties with the cytoskeleton becoming biocompatible. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6317-6328.	3.3	22
30	Dye-doped biodegradable nanoparticle SiO ₂ coating on zinc- and iron-oxide nanoparticles to improve biocompatibility and for <i>in vivo</i> imaging studies. <i>Nanoscale</i> , 2020, 12, 6164-6175.	2.8	22
31	Autoinhibition of TBCB regulates EB1-mediated microtubule dynamics. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 357-371.	2.4	20
32	Magnetic lipid nanovehicles synergize the controlled thermal release of chemotherapeutics with magnetic ablation while enabling non-invasive monitoring by MRI for melanoma theranostics. <i>Bioactive Materials</i> , 2022, 8, 153-164.	8.6	20
33	Effect of Size, Shape, and Composition on the Interaction of Different Nanomaterials with HeLa Cells. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	1.5	19
34	Native tubulin-folding cofactor E purified from baculovirus-infected Sf9 cells dissociates tubulin dimers. <i>Protein Expression and Purification</i> , 2006, 49, 196-202.	0.6	18
35	Isolation of Microtubules and Microtubule Proteins. <i>Current Protocols in Cell Biology</i> , 2008, 39, Unit 3.29.	2.3	17
36	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13736-13740.	7.2	17

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37	Tubulin cofactor B regulates microtubule densities during microglia transition to the reactive states. <i>Experimental Cell Research</i> , 2009, 315, 535-541.	1.2	16
38	Microtubule cytoskeleton-disrupting activity of MWCNTs: applications in cancer treatment. <i>Journal of Nanobiotechnology</i> , 2020, 18, 181.	4.2	16
39	Oligodendrocytes are not inherently programmed to myelinate a specific size of axon. <i>Journal of Comparative Neurology</i> , 1998, 399, 94-100.	0.9	16
40	Rumpshaker: an X-linked mutation affecting CNS myelination. A study of the female heterozygote. <i>Neuropathology and Applied Neurobiology</i> , 1991, 17, 323-334.	1.8	15
41	Expression of an altered form of tau in Sf9 insect cells results in the assembly of polymers resembling Alzheimer's paired helical filaments. <i>Brain Research</i> , 2004, 1007, 57-64.	1.1	15
42	Evidence that some oligodendrocyte progenitors in the developing optic pathway express the <i>plp</i> gene. <i>Development</i> , 1996, 18, 282-292.		14
43	Dissociation of innate immune responses in microglia infected with <i>Listeria monocytogenes</i> . <i>Glia</i> , 2014, 62, 233-246.	2.5	14
44	Oligodendrocyte progenitors in the embryonic spinal cord express DM-20. <i>Neuropathology and Applied Neurobiology</i> , 1996, 22, 188-98.	1.8	14
45	Hoxb-8 gain-of-function transgenic mice exhibit alterations in the peripheral nervous system. <i>Journal of Neuroscience Methods</i> , 1997, 71, 11-18.	1.3	13
46	The Solution Structure of the N-Terminal Domain of Human Tubulin Binding Cofactor C Reveals a Platform for Tubulin Interaction. <i>PLoS ONE</i> , 2011, 6, e25912.	1.1	12
47	Potassium-Selective Fluorescent Sensors To Detect Cereulide, the Emetic Toxin of <i>Bacillus cereus</i> , in Food Samples and HeLa Cells. <i>ChemistryOpen</i> , 2017, 6, 562-570.	0.9	11
48	Targeting Nanomaterials to Head and Neck Cancer Cells Using a Fragment of the Shiga Toxin as a Potent Natural Ligand. <i>Cancers</i> , 2021, 13, 4920.	1.7	11
49	Graphene-encapsulated magnetic nanoparticles for safe and steady delivery of ferulic acid in diabetic mice. <i>Chemical Engineering Journal</i> , 2022, 435, 134466.	6.6	11
50	Nondenaturing Electrophoresis as a Tool to Investigate Tubulin Complexes. <i>Methods in Cell Biology</i> , 2010, 95, 59-75.	0.5	9
51	Design of Polymeric and Biocompatible Delivery Systems by Dissolving Mesoporous Silica Templates. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9573.	1.8	9
52	Engineering Sub-Cellular Targeting Strategies to Enhance Safe Cytosolic Silica Particle Dissolution in Cells. <i>Pharmaceutics</i> , 2020, 12, 487.	2.0	9
53	Characterization of a Putative Novel Type of Oligodendrocyte in Cultures from Rat Spinal Cord. <i>European Journal of Neuroscience</i> , 1997, 9, 2213-2217.	1.2	8
54	The unpredictable carbon nanotube biocorona and a functionalization method to prevent protein biofouling. <i>Journal of Nanobiotechnology</i> , 2021, 19, 129.	4.2	8

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55	Solid Lipid Particles for Lung Metastasis Treatment. <i>Pharmaceutics</i> , 2021, 13, 93.	2.0	8
56	A custom-made functionalization method to control the biological identity of nanomaterials. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102268.	1.7	7
57	Oligodendrocyte progenitors in the embryonic spinal cord express DM-20. <i>Neuropathology and Applied Neurobiology</i> , 1996, 22, 188-198.	1.8	7
58	Free-labeled nanoclay intracellular uptake tracking by confocal Raman imaging. <i>Applied Surface Science</i> , 2021, 537, 147870.	3.1	6
59	Emerging roles for tubulin folding cofactors at the centrosome. <i>Communicative and Integrative Biology</i> , 2010, 3, 306-308.	0.6	5
60	Drug Nanoparticle Stability Assessment Using Isothermal and Nonisothermal Approaches. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.	1.5	5
61	A Biomimetic Escape Strategy for Cytoplasm Invasion by Synthetic Particles. <i>Angewandte Chemie</i> , 2017, 129, 13924-13928.	1.6	4
62	Cb3/cd77 Is a Predictive Marker and Promising Therapeutic Target for Head and Neck Cancer. <i>Biomedicines</i> , 2022, 10, 732.	1.4	3
63	Characterization of Tubulin Isotype-Specific Antibodies by Electrophoretic Mobility Shift Assay. <i>BioTechniques</i> , 1998, 25, 940-942.	0.8	2
64	A fast, reliable and cost-effective method to generate tumor organs for therapy screening in vivo. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 035009.	0.6	2
65	Development of an accurate method for dispersion and quantification of carbon nanotubes in biological media. <i>Analytical Methods</i> , 2020, 12, 5642-5647.	1.3	2