Marina Mapelli

List of Publications by Year
in descending order

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51 papers	3,948 citations	201658 27 h-index	197805 49 g-index
52 all docs	52 docs citations	52 times ranked	5519 citing authors

#	Article	IF	Citations
1	Developmental defects in Huntingtonâ€™s disease show that axonal growth and microtubule reorganization require NUMA1. Neuron, 2022, 110, 36-50.e5.	8.1	21
2	Lower probability and shorter duration of infections after COVID-19 vaccine correlate with anti-SARS-CoV-2 circulating IgGs. PLoS ONE, 2022, 17, e0263014.	2.5	14
3	Recent Approaches to the Identification of Novel Microtubule-Targeting Agents. Frontiers in Molecular Biosciences, 2022, 9, 841777.	3.5	15
4	Insights Into Mechanisms of Oriented Division From Studies in 3D Cellular Models. Frontiers in Cell and Developmental Biology, 2022, 10, 847801.	3.7	5
5	Aberrant activation of p53/p66Shc-mInsc axis increases asymmetric divisions and attenuates proliferation of aged mammary stem cells. Cell Death and Differentiation, 2022, 29, 2429-2444.	11.2	8
6	Seroprevalence of SARS-CoV2 in IBD Patients Treated with Biologic Therapy. Journal of Crohn's and Colitis, 2021, 15, 864-868.	1.3	21
7	The Aurora-A/TPX2 Axis Directs Spindle Orientation in Adherent Human Cells by Regulating NuMA and Microtubule Stability. Current Biology, 2021, 31, 658-667.e5.	3.9	25
8	Integrated requirement of nonâ€specific and sequenceâ€specific DNA binding in Mycâ€driven transcription. EMBO Journal, 2021, 40, e105464.	7.8	24
9	Drosophila TNFRs Grindelwald and Wengen bind Eiger with different affinities and promote distinct cellular functions. Nature Communications, 2021, 12, 2070.	12.8	19
10	Spindle positioning and its impact on vertebrate tissue architecture and cell fate. Nature Reviews Molecular Cell Biology, 2021, 22, 691-708.	37.0	58
11	Crotonylation directs the spindle. Nature Chemical Biology, 2021, 17, 1217-1218.	8.0	0
12	Persistence of Anti-SARS-CoV-2 Antibodies in Non-Hospitalized COVID-19 Convalescent Health Care Workers. Journal of Clinical Medicine, 2020, 9, 3188.	2.4	68
13	Organizational Principles of the NuMA-Dynein Interaction Interface and Implications for Mitotic Spindle Functions. Structure, 2020, 28, 820-829.e6.	3.3	17
14	The crosstalk between microtubules, actin and membranes shapes cell division. Open Biology, 2020, 10, 190314.	3.6	29
15	Discovery of New Antiproliferative Imidazopyrazole Acylhydrazones Able To Interact with Microtubule Systems. ChemMedChem, 2020, 15, 961-969.	3.2	5
16	Hexameric NuMA:LGN structures promote multivalent interactions required for planar epithelial divisions. Nature Communications, 2019, 10, 2208.	12.8	29
17	A Numbâ€“Mdm2 fuzzy complex reveals an isoform-specific involvement of Numb in breast cancer. Journal of Cell Biology, 2018, 217, 745-762.	5.2	33
18	Insc:LGN tetramers promote asymmetric divisions of mammary stem cells. Nature Communications, 2018, 9, 1025.	12.8	27

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19	Loss of the canonical spindle orientation function in the Pins/ <scp>LGN</scp> homolog <scp>AGS</scp> 3. EMBO Reports, 2017, 18, 1509-1520.	4.5	20
20	Molecular mechanisms of asymmetric divisions in mammary stem cells. EMBO Reports, 2016, 17, 1700-1720.	4.5	63
21	NuMA Phosphorylation by Aurora-A Orchestrates Spindle Orientation. Current Biology, 2016, 26, 458-469.	3.9	66
22	Diverse functions of myosin VI elucidated by an isoform-specific Î±-helix domain. Nature Structural and Molecular Biology, 2016, 23, 300-308.	8.2	42
23	Concomitant binding of Afadin to LGN and F-actin directs planar spindle orientation. Nature Structural and Molecular Biology, 2016, 23, 155-163.	8.2	77
24	Crystallization and X-ray diffraction of LGN in complex with the actin-binding protein afadin. Acta Crystallographica Section F, Structural Biology Communications, 2016, 72, 145-151.	0.8	1
25	The Drosophila TNF receptor Grindelwald couples loss of cell polarity and neoplastic growth. Nature, 2015, 522, 482-486.	27.8	145
26	Dichotomy of short and long thymic stromal lymphopoietin isoforms in inflammatory disorders of the bowel and skin. Journal of Allergy and Clinical Immunology, 2015, 136, 413-422.	2.9	102
27	p600 regulates spindle orientation in apical neural progenitors and contributes to neurogenesis in the developing neocortex. Biology Open, 2014, 3, 475-485.	1.2	13
28	The LGN:Insc tetramer stabilises the apical site in asymmetric cell divisions. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1057-C1057.	0.1	0
29	Going vertical: functional role and working principles of the protein Inscuteable in asymmetric cell divisions. Cellular and Molecular Life Sciences, 2013, 70, 4039-4046.	5.4	15
30	On the inscrutable role of Inscuteable: structural basis and functional implications for the competitive binding of NuMA and Inscuteable to LGN. Open Biology, 2012, 2, 120102.	3.6	31
31	On WD40 proteins: Propelling our knowledge of transcriptional control?. Epigenetics, 2012, 7, 815-822.	2.7	61
32	Symmetric dimethylation of H3R2 is a newly identified histone mark that supports euchromatin maintenance. Nature Structural and Molecular Biology, 2012, 19, 136-144.	8.2	272
33	Inscuteable and NuMA proteins bind competitively to Leu-Gly-Asn repeat-enriched protein (LGN) during asymmetric cell divisions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20998-21003.	7.1	70
34	The Influence of Catalysis on Mad2 Activation Dynamics. PLoS Biology, 2009, 7, e1000010.	5.6	97
35	Cdk5 is essential for adult hippocampal neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18567-18571.	7.1	104
36	The Mad2 Conformational Dimer: Structure and Implications for the Spindle Assembly Checkpoint. Cell, 2007, 131, 730-743.	28.9	217

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37	MAD contortions: conformational dimerization boosts spindle checkpoint signaling. Current Opinion in Structural Biology, 2007, 17, 716-725.	5.7	95
38	Crystal Structure of the Ubiquitin Binding Domains of Rabex-5 Reveals Two Modes of Interaction with Ubiquitin. Cell, 2006, 124, 1183-1195.	28.9	259
39	Determinants of conformational dimerization of Mad2 and its inhibition by p31comet. EMBO Journal, 2006, 25, 1273-1284.	7.8	124
40	In Vitro FRAP Identifies the Minimal Requirements for Mad2 Kinetochore Dynamics. Current Biology, 2006, 16, 755-766.	3.9	248
41	Defining Cdk5 Ligand Chemical Space with Small Molecule Inhibitors of Tau Phosphorylation. Chemistry and Biology, 2005, 12, 811-823.	6.0	63
42	The Mad1/Mad2 Complex as a Template for Mad2 Activation in the Spindle Assembly Checkpoint. Current Biology, 2005, 15, 214-225.	3.9	376
43	The Crystal Structure of the Herpes Simplex Virus 1 ssDNA-binding Protein Suggests the Structural Basis for Flexible, Cooperative Single-stranded DNA Binding. Journal of Biological Chemistry, 2005, 280, 2990-2997.	3.4	39
44	Molecular Basis for the Specificity of p27 Toward Cyclin-dependent Kinases that Regulate Cell Division. Journal of Molecular Biology, 2005, 349, 764-773.	4.2	60
45	Mechanism of Aurora B Activation by INCENP and Inhibition by Hesperadin. Molecular Cell, 2005, 18, 379-391.	9.7	354
46	Mechanism of CDK5/p25 Binding by CDK Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 671-679.	6.4	173
47	Development of an Assay to Screen for Inhibitors of Tau Phosphorylation by Cdk5. Journal of Biomolecular Screening, 2004, 9, 122-131.	2.6	12
48	The Structural Perspective on CDK5. NeuroSignals, 2003, 12, 164-172.	0.9	25
49	Crystal structure of the tetrameric Mad1-Mad2 core complex: implications of a 'safety belt' binding mechanism for the spindle checkpoint. EMBO Journal, 2002, 21, 2496-2506.	7.8	278
50	The 60-Residue C-Terminal Region of the Single-Stranded DNA Binding Protein of Herpes Simplex Virus Type 1 Is Required for Cooperative DNA Binding. Journal of Virology, 2000, 74, 8812-8822.	3.4	20
51	Crystallization and Preliminary X-Ray Crystallographic Studies on the Herpes Simplex Virus 1 Single-Stranded DNA Binding Protein. Journal of Structural Biology, 1999, 128, 219-222.	2.8	8