

MarÃ-a A Oliva

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,278
citations

567281

15
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Clinically Used Microtubule Targeting Drugs on Viral Infection and Transport Function. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3448.	4.1	5
2	Gatorbulin-1, a distinct cyclodepsipeptide chemotype, targets a seventh tubulin pharmacological site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	47
3	Identification of novel anti-cancer agents by the synthesis and cellular screening of a noscapine-based library. <i>Bioorganic Chemistry</i> , 2021, 115, 105135.	4.1	11
4	Structural Basis of Noscapine Activation for Tubulin Binding. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8495-8501.	6.4	30
5	Two Antagonistic Microtubule Targeting Drugs Act Synergistically to Kill Cancer Cells. <i>Cancers</i> , 2020, 12, 2196.	3.7	7
6	N-alkylisatin-based microtubule destabilizers bind to the colchicine site on tubulin and retain efficacy in drug resistant acute lymphoblastic leukemia cell lines with less in vitro neurotoxicity. <i>Cancer Cell International</i> , 2020, 20, 170.	4.1	11
7	Structural model for differential cap maturation at growing microtubule ends. <i>ELife</i> , 2020, 9, .	6.0	44
8	Crystal Structure of the Cyclostreptin-Tubulin Adduct: Implications for Tubulin Activation by Taxane-Site Ligands. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1392.	4.1	24
9	The TubR centromere complex adopts a double-ring segrosome structure in Type III partition systems. <i>Nucleic Acids Research</i> , 2018, 46, 5704-5716.	14.5	9
10	A Polymerization-Associated Structural Switch in FtsZ That Enables Treadmilling of Model Filaments. <i>MBio</i> , 2017, 8, .	4.1	91
11	Self-Organization of FtsZ Polymers in Solution Reveals Spacer Role of the Disordered C-Terminal Tail. <i>Biophysical Journal</i> , 2017, 113, 1831-1844.	0.5	35
12	TubZ filament assembly dynamics requires the flexible C-terminal tail. <i>Scientific Reports</i> , 2017, 7, 43342.	3.3	3
13	The structural assembly switch of cell division protein FtsZ probed with fluorescent allosteric inhibitors. <i>Chemical Science</i> , 2017, 8, 1525-1534.	7.4	33
14	Segrosome Complex Formation during DNA Trafficking in Bacterial Cell Division. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 51.	3.5	14
15	Purification and Assembly of Bacterial Tubulin BtubA/B and Constructs Bearing Eukaryotic Tubulin Sequences. <i>Methods in Cell Biology</i> , 2013, 115, 269-281.	1.1	4
16	Tubulin homolog TubZ in a phage-encoded partition system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7711-7716.	7.1	54
17	Bacterial Tubulin Distinct Loop Sequences and Primitive Assembly Properties Support Its Origin from a Eukaryotic Tubulin Ancestor. <i>Journal of Biological Chemistry</i> , 2011, 286, 19789-19803.	3.4	35
18	Features critical for membrane binding revealed by DivIVA crystal structure. <i>EMBO Journal</i> , 2010, 29, 1988-2001.	7.8	116

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19	Structural Insights into the Conformational Variability of FtsZ. Journal of Molecular Biology, 2007, 373, 1229-1242.	4.2	156
20	Structure of bacterial tubulin BtubA/B: Evidence for horizontal gene transfer. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9170-9175.	7.1	141
21	Folding, Stability and Polymerization Properties of FtsZ Chimeras with Inserted Tubulin Loops Involved in the Interaction with the Cytosolic Chaperonin CCT and in Microtubule Formation. Journal of Molecular Biology, 2005, 346, 319-330.	4.2	13
22	FtsZ folding, self-association, activation and assembly. , 2004, , 133-153.		1
23	Structural insights into FtsZ protofilament formation. Nature Structural and Molecular Biology, 2004, 11, 1243-1250.	8.2	265
24	Assembly of Archaeal Cell Division Protein FtsZ and a GTPase-inactive Mutant into Double-stranded Filaments. Journal of Biological Chemistry, 2003, 278, 33562-33570.	3.4	86
25	Reversible Unfolding of FtsZ Cell Division Proteins from Archaea and Bacteria. Journal of Biological Chemistry, 2002, 277, 43262-43270.	3.4	37