MarÃ-a A Oliva

List of Publications by Year
in descending order

25	1,278	567281 15	610901 24
papers	citations	h-index	g-index

30	30	30	1201
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Structural insights into FtsZ protofilament formation. Nature Structural and Molecular Biology, 2004, 11, 1243-1250.	8.2	265
2	Structural Insights into the Conformational Variability of FtsZ. Journal of Molecular Biology, 2007, 373, 1229-1242.	4.2	156
3	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
4	Features critical for membrane binding revealed by DivIVA crystal structure. EMBO Journal, 2010, 29, 1988-2001.	7.8	116
5	A Polymerization-Associated Structural Switch in FtsZ That Enables Treadmilling of Model Filaments. MBio, 2017, 8, .	4.1	91
6	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
7	Tubulin homolog TubZ in a phage-encoded partition system. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7711-7716.	7.1	54
8	Gatorbulin-1, a distinct cyclodepsipeptide chemotype, targets a seventh tubulin pharmacological site. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	47
9	Structural model for differential cap maturation at growing microtubule ends. ELife, 2020, 9, .	6.0	44
10	Reversible Unfolding of FtsZ Cell Division Proteins from Archaea and Bacteria. Journal of Biological Chemistry, 2002, 277, 43262-43270.	3.4	37
11	Bacterial Tubulin Distinct Loop Sequences and Primitive Assembly Properties Support Its Origin from a Eukaryotic Tubulin Ancestor. Journal of Biological Chemistry, 2011, 286, 19789-19803.	3.4	35
12	Self-Organization of FtsZ Polymers in Solution Reveals Spacer Role of the Disordered C-Terminal Tail. Biophysical Journal, 2017, 113, 1831-1844.	0.5	35
13	The structural assembly switch of cell division protein FtsZ probed with fluorescent allosteric inhibitors. Chemical Science, 2017, 8, 1525-1534.	7.4	33
14	Structural Basis of Noscapine Activation for Tubulin Binding. Journal of Medicinal Chemistry, 2020, 63, 8495-8501.	6.4	30
15	Crystal Structure of the Cyclostreptin-Tubulin Adduct: Implications for Tubulin Activation by Taxane-Site Ligands. International Journal of Molecular Sciences, 2019, 20, 1392.	4.1	24
16	Segrosome Complex Formation during DNA Trafficking in Bacterial Cell Division. Frontiers in Molecular Biosciences, 2016, 3, 51.	3.5	14
17	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
18	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. Cancer Cell International, 2020, 20, 170.	4.1	11

#	Article	IF	Citations
19	Identification of novel anti-cancer agents by the synthesis and cellular screening of a noscapine-based library. Bioorganic Chemistry, 2021, 115, 105135.	4.1	11
20	The TubRâ€“centromere complex adopts a double-ring segrosome structure in Type III partition systems. Nucleic Acids Research, 2018, 46, 5704-5716.	14.5	9
21	Two Antagonistic Microtubule Targeting Drugs Act Synergistically to Kill Cancer Cells. Cancers, 2020, 12, 2196.	3.7	7
22	Effect of Clinically Used Microtubule Targeting Drugs on Viral Infection and Transport Function. International Journal of Molecular Sciences, 2022, 23, 3448.	4.1	5
23	Purification and Assembly of Bacterial Tubulin BtubA/B and Constructs Bearing Eukaryotic Tubulin Sequences. Methods in Cell Biology, 2013, 115, 269-281.	1.1	4
24	TubZ filament assembly dynamics requires the flexible C-terminal tail. Scientific Reports, 2017, 7, 43342.	3.3	3
25	FtsZ folding, self-association, activation and assembly. , 2004, , 133-153.		1