

# Dulal Panda

## List of Publications by Year in descending order

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174  
papers

8,843  
citations

31976

53  
h-index

49909

87  
g-index

177  
all docs

177  
docs citations

177  
times ranked

10232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial Cetuximab targeted polymeric nanocomplexes reduce PRC1 level and abrogate growth of metastatic hepatocellular carcinoma in vivo with efficient radionuclide uptake. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, , 102529.	3.3	1
2	Shikonin impedes phase separation and aggregation of tau and protects SH-SY5Y cells from the toxic effects of tau oligomers. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 19-33.	7.5	10
3	Monitoring the Disruptive Effects of Tubulin-Binding Agents on Cellular Microtubules. <i>Methods in Molecular Biology</i> , 2022, 2430, 431-448.	0.9	6
4	Investigating Tubulin-Drug Interaction Using Fluorescence Spectroscopy. <i>Methods in Molecular Biology</i> , 2022, 2430, 261-276.	0.9	6
5	Computational study of interactions of anti-cancer drug eribulin with human tubulin isotypes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 16694-16700.	2.8	3
6	Vitamin K3 inhibits FtsZ assembly, disrupts the Z-ring in <i>Streptococcus pneumoniae</i> and displays anti-pneumococcal activity. <i>Biochemical Journal</i> , 2022, 479, 1543-1558.	3.7	4
7	Substrate loss modulus promotes the differentiation of SHSY-5Y neuroblastoma cells. <i>Materialia</i> , 2021, 15, 100968.	2.7	4
8	Design, synthesis, and biological evaluation of benzo[d]imidazole-2-carboxamides as new anti-TB agents. <i>Bioorganic Chemistry</i> , 2021, 107, 104538.	4.1	28
9	Hyperthermia induced disruption of mechanical balance leads to G1 arrest and senescence in cells. <i>Biochemical Journal</i> , 2021, 478, 179-196.	3.7	11
10	Microtubule-targeting agents impair kinesin-dependent nuclear transport of $\beta$ -catenin: Evidence of inhibition of Wnt/ $\beta$ -catenin signaling as an important antitumor mechanism of microtubule-targeting agents. <i>FASEB Journal</i> , 2021, 35, e21539.	0.5	3
11	C1 Inhibits Liquid-Liquid Phase Separation and Oligomerization of Tau and Protects Neuroblastoma Cells against Toxic Tau Oligomers. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1989-2002.	3.5	20
12	Targeted nanoformulation of C1 inhibits the growth of KB spheroids and cancer stem cell-enriched MCF-7 mammospheres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 202, 111702.	5.0	2
13	Evidence of conformational switch in <i>Streptococcus pneumoniae</i> FtsZ during polymerization. <i>Protein Science</i> , 2021, 30, 523-530.	7.6	4
14	Contrasting Effects of Ferric and Ferrous Ions on Oligomerization and Droplet Formation of Tau: Implications in Tauopathies and Neurodegeneration. <i>ACS Chemical Neuroscience</i> , 2021, 12, 4393-4405.	3.5	17
15	Delineating the interaction of combretastatin A-4 with $\beta$ tubulin isotypes present in drug resistant human lung carcinoma using a molecular modeling approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 426-438.	3.5	15
16	The Acetyl Mimicking Mutation, K274Q in Tau, Enhances the Metal Binding Affinity of Tau and Reduces the Ability of Tau to Protect DNA. <i>ACS Chemical Neuroscience</i> , 2020, 11, 291-303.	3.5	14
17	Inhibition of polo-like kinase 1 suppresses microtubule dynamics in MCF-7 cells. <i>Molecular and Cellular Biochemistry</i> , 2020, 465, 27-36.	3.1	2
18	Antihepatoma activity of multifunctional polymeric nanoparticles via inhibition of microtubules and tyrosine kinases. <i>Nanomedicine</i> , 2020, 15, 381-396.	3.3	5

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19	Mechanistic insight into the effect of BTâ€benzoâ€29 on the Zâ€ring in <i>Bacillus subtilis</i>. IUBMB Life, 2020, 72, 978-990.	3.4	2
20	Tubulin-Binding 3,5-Bis(styryl)pyrazoles as Lead Compounds for the Treatment of Castration-Resistant Prostate Cancer. Molecular Pharmacology, 2020, 97, 409-422.	2.3	9
21	C12, a combretastatin-A4 analog, exerts anticancer activity by targeting microtubules. Biochemical Pharmacology, 2019, 170, 113663.	4.4	13
22	Quercetin Encapsulated Biodegradable Plasmonic Nanoparticles for Photothermal Therapy of Hepatocellular Carcinoma Cells. ACS Applied Bio Materials, 2019, 2, 5727-5738.	4.6	21
23	Crocic, a carotenoid, suppresses spindle microtubule dynamics and activates the mitotic checkpoint by binding to tubulin. Biochemical Pharmacology, 2019, 163, 32-45.	4.4	15
24	Methyl-Î²-cyclodextrin, an actin depolymerizer augments the antiproliferative potential of microtubule-targeting agents. Scientific Reports, 2019, 9, 7638.	3.3	19
25	Tubulin heterogeneity regulates functions and dynamics of microtubules and plays a role in the development of drug resistance in cancer. Biochemical Journal, 2019, 476, 1359-1376.	3.7	37
26	Regulation of <i>Streptococcus pneumoniae</i> FtsZ assembly by divalent cations: paradoxical effects of Ca <sup>2+</sup> on the nucleation and bundling of FtsZ polymers. FEBS Journal, 2019, 286, 3629-3646.	4.7	9
27	Regulation of neuronal microtubule dynamics by tau: Implications for tauopathies. International Journal of Biological Macromolecules, 2019, 133, 473-483.	7.5	47
28	An acetylation mimicking mutation, K274Q, in tau imparts neurotoxicity by enhancing tau aggregation and inhibiting tubulin polymerization. Biochemical Journal, 2019, 476, 1401-1417.	3.7	29
29	BubR1 depletion delays apoptosis in the microtubule-depolymerized cells. Biochemical Pharmacology, 2019, 162, 177-190.	4.4	3
30	Characterization of the Assembly Dynamics of Streptococcus Pneumoniae FtsZ using Intrinsic Tryptophan Fluorescence. FASEB Journal, 2019, 33, 779.31.	0.5	1
31	Drug-Clinical Agent Molecular Hybrid: Synthesis of Diaryl(trifluoromethyl)pyrazoles as Tubulin Targeting Anticancer Agents. ACS Omega, 2018, 3, 1955-1969.	3.5	33
32	A centrosomal protein STARD9 promotes microtubule stability and regulates spindle microtubule dynamics. Cell Cycle, 2018, 17, 2052-2068.	2.6	15
33	Mutation of G51 in SepF impairs FtsZ assembly promoting ability of SepF and retards the division of <i>Mycobacterium smegmatis</i> cells. Biochemical Journal, 2018, 475, 2473-2489.	3.7	2
34	Regulation of microtubule stability by centrosomal proteins. IUBMB Life, 2018, 70, 602-611.	3.4	9
35	Indibulin dampens microtubule dynamics and produces synergistic antiproliferative effect with vinblastine in MCF-7 cells: Implications in cancer chemotherapy. Scientific Reports, 2018, 8, 12363.	3.3	22
36	Combretastatin-Inspired Heterocycles as Antitubulin Anticancer Agents. ACS Omega, 2018, 3, 9754-9769.	3.5	34

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37	Benzo[d]thiazole-2-carbanilides as new anti-TB chemotypes: Design, synthesis, biological evaluation, and structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 364-380.	5.5	41
38	Interaction of microtubule depolymerizing agent indanocine with different human $\beta$ 2 tubulin isotypes. <i>PLoS ONE</i> , 2018, 13, e0194934.	2.5	16
39	A Benzimidazole Carboxamide Derivative, DDB506 Inhibits Bacterial Proliferation by Targeting FtsZ. <i>FASEB Journal</i> , 2018, 32, 810.10.	0.5	0
40	Pyridine C3-arylation of nicotinic acids accessible via a multicomponent reaction: an entry to all-substituted-3,4-diarylated pyridines. <i>RSC Advances</i> , 2017, 7, 8323-8331.	3.6	13
41	Enhanced stability of microtubules contributes in the development of colchicine resistance in MCF-7 cells. <i>Biochemical Pharmacology</i> , 2017, 132, 38-47.	4.4	19
42	Antiproliferative Activity of Crocin Involves Targeting of Microtubules in Breast Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 44984.	3.3	62
43	A Carbocyclic Curcumin Inhibits Proliferation of Gram-Positive Bacteria by Targeting FtsZ. <i>Biochemistry</i> , 2017, 56, 514-524.	2.5	25
44	The C-terminal tails of heterotrimeric kinesin motor subunits directly bind to tubulin1: Possible implications for cilia-specific tubulin entry. <i>Traffic</i> , 2017, 18, 123-133.	2.7	10
45	Curcumin Inhibits Tau Aggregation and Disintegrates Preformed Tau Filaments in vitro. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 999-1014.	2.6	115
46	Potent Anticancer Activity with High Selectivity of a Chiral Palladium N-Heterocyclic Carbene Complex. <i>ACS Omega</i> , 2017, 2, 4632-4646.	3.5	47
47	A centrosomal protein FOR20 regulates microtubule assembly dynamics and plays a role in cell migration. <i>Biochemical Journal</i> , 2017, 474, 2841-2859.	3.7	10
48	Lessons from bacterial homolog of tubulin, FtsZ for microtubule dynamics. <i>Endocrine-Related Cancer</i> , 2017, 24, T1-T21.	3.1	20
49	WhmD promotes the assembly of Mycobacterium smegmatis FtsZ: A possible role of WhmD in bacterial cell division. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 582-591.	7.5	9
50	Exploring the Origin of Differential Binding Affinities of Human Tubulin Isotypes $\beta$ 2II, $\beta$ 2III and $\beta$ 2IV for DAMA-Colchicine Using Homology Modelling, Molecular Docking and Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2016, 11, e0156048.	2.5	41
51	Novel Combretastatin-2-aminoimidazole Analogues as Potent Tubulin Assembly Inhibitors: Exploration of Unique Pharmacophoric Impact of Bridging Skeleton and Aryl Moiety. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3439-3451.	6.4	85
52	Mechanism of apoptosis induction in human breast cancer MCF-7 cell by Ruviprase, a small peptide from <i>Daboia russelii russelii</i> venom. <i>Chemico-Biological Interactions</i> , 2016, 258, 297-304.	4.0	13
53	C1, a highly potent novel curcumin derivative, binds to tubulin, disrupts microtubule network and induces apoptosis. <i>Bioscience Reports</i> , 2016, 36, .	2.4	20
54	Mutation of Arg191 in FtsZ Impairs Cytokinetic Abscission of <i>Bacillus subtilis</i> Cells. <i>Biochemistry</i> , 2016, 55, 5754-5763.	2.5	7

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55	Identification of agents targeting FtsZ assembly. <i>Future Medicinal Chemistry</i> , 2016, 8, 1111-1132.	2.3	26
56	Microtubule targeted therapeutics loaded polymeric assembled nanospheres for potentiation of antineoplastic activity. <i>Faraday Discussions</i> , 2016, 186, 45-59.	3.2	2
57	Intracellular interactions of electrostatically mediated layer-by-layer assembled polyelectrolytes based sorafenib nanoparticles in oral cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 131-138.	5.0	27
58	Benzo[ <i>a</i> ]fluorene inhibits bacterial cell proliferation by perturbing FtsZ assembly. <i>FEBS Journal</i> , 2015, 282, 4015-4033.	4.7	21
59	Comprehensive Analysis of Temporal Alterations in Cellular Proteome of <i>Bacillus subtilis</i> under Curcumin Treatment. <i>PLoS ONE</i> , 2015, 10, e0120620.	2.5	4
60	Nanomechanics of Fosbretabulin A4 polymeric nanoparticles in liver cancer cells. , 2015, , .		3
61	Proteomics Analyses of <i>Bacillus subtilis</i> after Treatment with Plumbagin, a Plant-Derived Naphthoquinone. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 12-23.	2.0	22
62	A comprehensive proteomic analysis of totarol induced alterations in <i>Bacillus subtilis</i> by multipronged quantitative proteomics. <i>Journal of Proteomics</i> , 2015, 114, 247-262.	2.4	26
63	Thalidomide (5HPP-33) Suppresses Microtubule Dynamics and Depolymerizes the Microtubule Network by Binding at the Vinblastine Binding Site on Tubulin. <i>Biochemistry</i> , 2015, 54, 2149-2159.	2.5	31
64	Design, synthesis and biological evaluation of di-substituted noscapine analogs as potent and microtubule-targeted anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2133-2140.	2.2	11
65	Mechanism of Anti-Cancer Activity of Benomyl Loaded Nanoparticles in Multidrug Resistant Cancer Cells. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 877-889.	1.1	21
66	The centrosome: a prospective entrant in cancer therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 957-972.	3.4	15
67	A Chimeric Cetuximab-Functionalized Corona as a Potent Delivery System for Microtubule-Destabilizing Nanocomplexes to Hepatocellular Carcinoma Cells: A Focus on EGFR and Tubulin Intracellular Dynamics. <i>Molecular Pharmaceutics</i> , 2015, 12, 3908-3923.	4.6	10
68	ZapC promotes assembly and stability of FtsZ filaments by binding at a different site on FtsZ than ZipA. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 435-442.	7.5	13
69	Transcription factor NF- $\kappa$ B associates with microtubules and stimulates apoptosis in response to suppression of microtubule dynamics in MCF-7 cells. <i>Biochemical Pharmacology</i> , 2015, 93, 277-289.	4.4	35
70	Synthesis and evaluation of 2-heteroaryl and 2,3-diheteroaryl-1,4-naphthoquinones that potently induce apoptosis in cancer cells. <i>RSC Advances</i> , 2014, 4, 12441-12447.	3.6	22
71	Antimicrobial Peptide CRAMP (16 $\alpha$ -33) Stalls Bacterial Cytokinesis by Inhibiting FtsZ Assembly. <i>Biochemistry</i> , 2014, 53, 6426-6429.	2.5	19
72	Novel third-generation water-soluble noscapine analogs as superior microtubule-interfering agents with enhanced antiproliferative activity. <i>Biochemical Pharmacology</i> , 2014, 92, 192-205.	4.4	19

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73	A new peptide (Ruviprase) purified from the venom of <i>Daboia russelii russelii</i> shows potent anticoagulant activity via non-enzymatic inhibition of thrombin and factor Xa. <i>Biochimie</i> , 2014, 105, 149-158.	2.6	35
74	SB-RA-2001 Inhibits Bacterial Proliferation by Targeting FtsZ Assembly. <i>Biochemistry</i> , 2014, 53, 2979-2992.	2.5	35
75	C-Terminal Region of MAP7 Domain Containing Protein 3 (MAP7D3) Promotes Microtubule Polymerization by Binding at the C-Terminal Tail of Tubulin. <i>PLoS ONE</i> , 2014, 9, e99539.	2.5	31
76	Plumbagin inhibits cytokinesis in <i>Bacillus subtilis</i> by inhibiting FtsZ assembly – a mechanistic study of its antibacterial activity. <i>FEBS Journal</i> , 2013, 280, 4585-4599.	4.7	49
77	CXI-benzo-84 reversibly binds to tubulin at colchicine site and induces apoptosis in cancer cells. <i>Biochemical Pharmacology</i> , 2013, 86, 378-391.	4.4	45
78	Understanding FtsZ Assembly: Cues from the Behavior of Its N- and C-Terminal Domains. <i>Biochemistry</i> , 2013, 52, 7071-7081.	2.5	8
79	GTP Regulates the Interaction between MciZ and FtsZ: A Possible Role of MciZ in Bacterial Cell Division. <i>Biochemistry</i> , 2013, 52, 392-401.	2.5	17
80	Inhibition of HDAC6 Deacetylase Activity Increases Its Binding with Microtubules and Suppresses Microtubule Dynamic Instability in MCF-7 Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 22516-22526.	3.4	98
81	Sanguinarine suppresses IgE induced inflammatory responses through inhibition of type II PtdIns 4-kinase(s). <i>Archives of Biochemistry and Biophysics</i> , 2013, 537, 192-197.	3.0	15
82	A Synthetic Dolastatin 10 Analogue Suppresses Microtubule Dynamics, Inhibits Cell Proliferation, and Induces Apoptotic Cell Death. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2235-2245.	6.4	40
83	Assembly of <i>Bacillus subtilis</i> FtsA: Effects of pH, ionic strength and nucleotides on FtsA assembly. <i>International Journal of Biological Macromolecules</i> , 2013, 52, 170-176.	7.5	4
84	Ansamitocin P3 Depolymerizes Microtubules and Induces Apoptosis by Binding to Tubulin at the Vinblastine Site. <i>PLoS ONE</i> , 2013, 8, e75182.	2.5	35
85	Guanosine triphosphate regulates the interaction between MciZ and FtsZ. <i>FASEB Journal</i> , 2013, 27, 1015.6.	0.5	0
86	Dynein Light Chain 1 (LC8) Association Enhances Microtubule Stability and Promotes Microtubule Bundling*. <i>Journal of Biological Chemistry</i> , 2012, 287, 40793-40805.	3.4	26
87	Pyrophosphate Sensing by a Fluorescent Zn <sup>2+</sup> Bound Triazole Linked Imino-Thiophenyl Conjugate of Calix[4]arene in HEPES Buffer Medium: Spectroscopy, Microscopy, and Cellular Studies. <i>Analytical Chemistry</i> , 2012, 84, 5117-5123.	6.5	67
88	CIL-102 binds to tubulin at colchicine binding site and triggers apoptosis in MCF-7 cells by inducing monopolar and multinucleated cells. <i>Biochemical Pharmacology</i> , 2012, 84, 633-645.	4.4	23
89	Cd <sup>2+</sup> Complex of a Triazole-Based Calix[4]arene Conjugate as a Selective Fluorescent Chemosensor for Cys. <i>Analytical Chemistry</i> , 2012, 84, 6907-6913.	6.5	51
90	A Zn <sup>2+</sup> specific triazole based calix[4]arene conjugate (L) as a fluorescence sensor for histidine and cysteine in HEPES buffer milieu. <i>Analyst</i> , 2012, 137, 4069.	3.5	32

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91	A Rhodanine Derivative CCR-11 Inhibits Bacterial Proliferation by Inhibiting the Assembly and GTPase Activity of FtsZ. <i>Biochemistry</i> , 2012, 51, 5434-5442.	2.5	39
92	Discrimination of Ligands with Different Flexibilities Resulting from the Plasticity of the Binding Site in Tubulin. <i>Biochemistry</i> , 2012, 51, 7138-7148.	2.5	25
93	An Antitubulin Agent BCFMT Inhibits Proliferation of Cancer Cells and Induces Cell Death by Inhibiting Microtubule Dynamics. <i>PLoS ONE</i> , 2012, 7, e44311.	2.5	31
94	Imino-Phenolic-Pyridyl Conjugates of Calix[4]arene (L <sub>1</sub> and L <sub>2</sub> ) as Primary Fluorescence Switch-on Sensors for Zn <sup>2+</sup> in Solution and in HeLa Cells and the Recognition of Pyrophosphate and ATP by [ZnL <sub>2</sub> ]. <i>Inorganic Chemistry</i> , 2012, 51, 4994-5005.	4.0	87
95	Kinetic stabilization of microtubule dynamics by indanocine perturbs EB1 localization, induces defects in cell polarity and inhibits migration of MDA-MB-231 cells. <i>Biochemical Pharmacology</i> , 2012, 83, 1495-1506.	4.4	39
96	Curcumin Recognizes a Unique Binding Site of Tubulin. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6183-6196.	6.4	98
97	Cationic lipid enhances assembly of bacterial cell division protein FtsZ: A possible role of bacterial membrane in FtsZ assembly dynamics. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 737-741.	7.5	5
98	Magnetic PLGA Nanospheres: A Dual Therapy for Cancer. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 2882-2886.	2.1	5
99	Microtubules as antifungal and antiparasitic drug targets. <i>Expert Opinion on Therapeutic Patents</i> , 2011, 21, 167-186.	5.0	38
100	ENGINEERING AND THERAPEUTIC APPLICATIONS OF MICROTUBULES. <i>International Journal of Nanoscience</i> , 2011, 10, 873-881.	0.7	0
101	ZipA Binds to FtsZ with High Affinity and Enhances the Stability of FtsZ Protofilaments. <i>PLoS ONE</i> , 2011, 6, e28262.	2.5	22
102	Probing the binding site of curcumin in Escherichia coli and Bacillus subtilis FtsZ – A structural insight to unveil antibacterial activity of curcumin. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 4209-4214.	5.5	150
103	Griseofulvin stabilizes microtubule dynamics, activates p53 and inhibits the proliferation of MCF-7 cells synergistically with vinblastine. <i>BMC Cancer</i> , 2010, 10, 213.	2.6	86
104	HMBA depolymerizes microtubules, activates mitotic checkpoints and induces mitotic block in MCF-7 cells by binding at the colchicine site in tubulin. <i>Biochemical Pharmacology</i> , 2010, 80, 50-61.	4.4	7
105	Curcumin suppresses the dynamic instability of microtubules, activates the mitotic checkpoint and induces apoptosis in MCF-7 cells. <i>FEBS Journal</i> , 2010, 277, 3437-3448.	4.7	95
106	E93R Substitution of Escherichia coli FtsZ Induces Bundling of Protofilaments, Reduces GTPase Activity, and Impairs Bacterial Cytokinesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 31796-31805.	3.4	29
107	Dinuclear Copper(I) Complexes Containing Cyclodiphosphazane Derivatives and Pyridyl Ligands: Synthesis, Structural Studies, and Antiproliferative Activity toward Human Cervical and Breast Cancer Cells. <i>Inorganic Chemistry</i> , 2010, 49, 8790-8801.	4.0	63
108	Fluorescence Spectroscopic Methods to Analyze Drug-Tubulin Interactions. <i>Methods in Cell Biology</i> , 2010, 95, 301-329.	1.1	28

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109	FtsZ inhibition: A promising approach for antistaphylococcal therapy. <i>Drug News and Perspectives</i> , 2010, 23, 295.	1.5	37
110	Promoting assembly and bundling of FtsZ as a strategy to inhibit bacterial cell division: a new approach for developing novel antibacterial drugs. <i>Biochemical Journal</i> , 2009, 423, 61-69.	3.7	58
111	Differential Assembly Properties of Escherichia coli FtsZ and Mycobacterium tuberculosis FtsZ: An Analysis Using Divalent Calcium. <i>Journal of Biochemistry</i> , 2009, 146, 733-742.	1.7	17
112	Megacell phenotype and its relation to metabolic alterations in transketolase deficient strain of <i>Bacillus pumilus</i> . <i>Biotechnology and Bioengineering</i> , 2009, 102, 1387-1397.	3.3	8
113	2,3-Disubstituted-1,4-naphthoquinones, 12H-benzo[b]phenothiazine-6,11-diones and related compounds: Synthesis and Biological evaluation as potential antiproliferative and antifungal agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1086-1092.	5.5	90
114	Design of nickel chelates of tetradentate N-heterocyclic carbenes with subdued cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2328-2335.	1.8	54
115	An Analysis of FtsZ Assembly Using Small Angle X-ray Scattering and Electron Microscopy. <i>Langmuir</i> , 2009, 25, 3775-3785.	3.5	13
116	Targeting FtsZ for antibacterial therapy: a promising avenue. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 1037-1051.	3.4	62
117	Anti-mitotic activity of colchicine and the structural basis for its interaction with tubulin. <i>Medicinal Research Reviews</i> , 2008, 28, 155-183.	10.5	410
118	Microtubule assembly dynamics: An attractive target for anticancer drugs. <i>IUBMB Life</i> , 2008, 60, 368-375.	3.4	139
119	Cysteine 155 plays an important role in the assembly of <i>Mycobacterium tuberculosis</i> FtsZ. <i>Protein Science</i> , 2008, 17, 846-854.	7.6	20
120	Benomyl and Colchicine Synergistically Inhibit Cell Proliferation and Mitosis: Evidence of Distinct Binding Sites for These Agents in Tubulin. <i>Biochemistry</i> , 2008, 47, 13016-13025.	2.5	40
121	Kinetic stabilization of microtubule dynamic instability by benomyl increases the nuclear transport of p53. <i>Biochemical Pharmacology</i> , 2008, 76, 1669-1680.	4.4	55
122	Large-bite bis(phosphite) ligand containing mesocyclic thioether moieties: synthesis, reactivity, group 11 (Cu, Au) metal complexes and anticancer activity studies on a human cervical cancer (HeLa) cell line. <i>Dalton Transactions</i> , 2008, , 2285.	3.3	28
123	Kinetic Stabilization of Microtubule Dynamics by Estramustine Is Associated with Tubulin Acetylation, Spindle Abnormalities, and Mitotic Arrest. <i>Cancer Research</i> , 2008, 68, 6181-6189.	0.9	55
124	SepF Increases the Assembly and Bundling of FtsZ Polymers and Stabilizes FtsZ Protofilaments by Binding along Its Length. <i>Journal of Biological Chemistry</i> , 2008, 283, 31116-31124.	3.4	79
125	Curcumin inhibits FtsZ assembly: an attractive mechanism for its antibacterial activity. <i>Biochemical Journal</i> , 2008, 410, 147-155.	3.7	404
126	Anticancer and Antimicrobial Metallopharmaceutical Agents Based on Palladium, Gold, and Silver N-Heterocyclic Carbene Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 15042-15053.	13.7	576



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127	A Membrane Protein, EzrA, Regulates Assembly Dynamics of FtsZ by Interacting with the C-Terminal Tail of FtsZ. <i>Biochemistry</i> , 2007, 46, 11013-11022.	2.5	85
128	Acid-induced loss of functional properties of bacterial cell division protein FtsZ: Evidence for an alternative conformation at acidic pH. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 177-188.	2.6	13
129	Rotenone inhibits mammalian cell proliferation by inhibiting microtubule assembly through tubulin binding. <i>FEBS Journal</i> , 2007, 274, 4788-4801.	4.7	108
130	Totarol Inhibits Bacterial Cytokinesis by Perturbing the Assembly Dynamics of FtsZ. <i>Biochemistry</i> , 2007, 46, 4211-4220.	2.5	117
131	Antimitotic Sulfonamides Inhibit Microtubule Assembly Dynamics and Cancer Cell Proliferation. <i>Biochemistry</i> , 2006, 45, 5440-5449.	2.5	77
132	Synthesis and anticancer activity studies of $\beta$ -aminoalkylated conjugated nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3211-3214.	2.8	45
133	Development of a Novel Nitro-Derivative of Noscapine for the Potential Treatment of Drug-Resistant Ovarian Cancer and T-Cell Lymphoma. <i>Molecular Pharmacology</i> , 2006, 69, 1801-1809.	2.3	81
134	Effects of pH and ionic strength on the assembly and bundling of FtsZ protofilaments: A possible role of electrostatic interactions in the bundling of protofilaments. <i>International Journal of Biological Macromolecules</i> , 2006, 40, 30-39.	7.5	12
135	The benzophenanthridine alkaloid sanguinarine perturbs microtubule assembly dynamics through tubulin binding. A possible mechanism for its antiproliferative activity. <i>FEBS Journal</i> , 2006, 273, 2139-2150.	4.7	64
136	Dietary antioxidant curcumin inhibits microtubule assembly through tubulin binding. <i>FEBS Journal</i> , 2006, 273, 5320-5332.	4.7	135
137	Synthesis and evaluation of $\beta$ -hydroxymethylated conjugated nitroalkenes for their anticancer activity: Inhibition of cell proliferation by targeting microtubules. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 8073-8085.	3.0	67
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