

Dulal Panda

List of Publications by Year in descending order

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papers

8,843
citations

31976

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177
times ranked

10232
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Curcumin inhibits FtsZ assembly: an attractive mechanism for its antibacterial activity. <i>Biochemical Journal</i> , 2008, 410, 147-155.	3.7	404
4	Differential regulation of microtubule dynamics by three- and four-repeat tau: Implications for the onset of neurodegenerative disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9548-9553.	7.1	231
5	Sanguinarine Blocks Cytokinesis in Bacteria by Inhibiting FtsZ Assembly and Bundling. <i>Biochemistry</i> , 2005, 44, 16584-16593.	2.5	196
6	Kinetic Stabilization of Microtubule Dynamics at Steady State by Tau and Microtubule-Binding Domains of Tau. <i>Biochemistry</i> , 1995, 34, 11117-11127.	2.5	162
7	Kinetic suppression of microtubule dynamic instability by griseofulvin: Implications for its possible use in the treatment of cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9878-9883.	7.1	160
8	Perturbation of Microtubule Polymerization by Quercetin through Tubulin Binding: A Novel Mechanism of Its Antiproliferative Activity. <i>Biochemistry</i> , 2002, 41, 13029-13038.	2.5	152
9	Brominated Derivatives of Noscapine Are Potent Microtubule-interfering Agents That Perturb Mitosis and Inhibit Cell Proliferation. <i>Molecular Pharmacology</i> , 2003, 63, 799-807.	2.3	151
10	Modulation of Microtubule Dynamics by Drugs. A Paradigm for the Actions of Cellular Regulators.. <i>Cell Structure and Function</i> , 1999, 24, 329-335.	1.1	150
11	Probing the binding site of curcumin in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> FtsZ – A structural insight to unveil antibacterial activity of curcumin. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 4209-4214.	5.5	150
12	Microtubule assembly dynamics: An attractive target for anticancer drugs. <i>IUBMB Life</i> , 2008, 60, 368-375.	3.4	139
13	Dietary antioxidant curcumin inhibits microtubule assembly through tubulin binding. <i>FEBS Journal</i> , 2006, 273, 5320-5332.	4.7	135
14	Minor Alteration of Microtubule Dynamics Causes Loss of Tension across Kinetochore Pairs and Activates the Spindle Checkpoint. <i>Journal of Biological Chemistry</i> , 2002, 277, 17200-17208.	3.4	134
15	Paclitaxel-resistant Human Ovarian Cancer Cells Undergo c-Jun NH2-terminal Kinase-mediated Apoptosis in Response to Noscapine. <i>Journal of Biological Chemistry</i> , 2002, 277, 39777-39785.	3.4	118
16	Totarol Inhibits Bacterial Cytokinesis by Perturbing the Assembly Dynamics of FtsZ. <i>Biochemistry</i> , 2007, 46, 4211-4220.	2.5	117
17	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
18	Rotenone inhibits mammalian cell proliferation by inhibiting microtubule assembly through tubulin binding. <i>FEBS Journal</i> , 2007, 274, 4788-4801.	4.7	108

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19	Antiproliferative mechanism of action of cryptophycin-52: Kinetic stabilization of microtubule dynamics by high-affinity binding to microtubule ends. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 9313-9318.	7.1	107
20	G Protein β Subunits Activate Tubulin GTPase and Modulate Microtubule Polymerization Dynamics. <i>Journal of Biological Chemistry</i> , 1999, 274, 13485-13490.	3.4	106
21	Differential Effects of Vinblastine on Polymerization and Dynamics at Opposite Microtubule Ends. <i>Journal of Biological Chemistry</i> , 1996, 271, 29807-29812.	3.4	105
22	Antimitotic Antifungal Compound Benomyl Inhibits Brain Microtubule Polymerization and Dynamics and Cancer Cell Proliferation at Mitosis, by Binding to a Novel Site in Tubulin. <i>Biochemistry</i> , 2004, 43, 6645-6655.	2.5	104
23	Curcumin Recognizes a Unique Binding Site of Tubulin. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6183-6196.	6.4	98
24	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
25	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
26	Kinetic Stabilization of Microtubule Dynamics at Steady State in Vitro by Substoichiometric Concentrations of Tubulin-Colchicine Complex. <i>Biochemistry</i> , 1995, 34, 9921-9929.	2.5	94
27	Mechanism of Action of the Unusually Potent Microtubule Inhibitor Cryptophycin 1. <i>Biochemistry</i> , 1997, 36, 12948-12953.	2.5	93
28	Dicoumarol: a unique microtubule stabilizing natural product that is synergistic with Taxol. <i>Cancer Research</i> , 2003, 63, 1214-20.	0.9	93
29	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
30	Synthesis of microtubule-interfering halogenated noscapine analogs that perturb mitosis in cancer cells followed by cell death. <i>Biochemical Pharmacology</i> , 2006, 72, 415-426.	4.4	87
31	Imino-Phenolic-Pyridyl Conjugates of Calix[4]arene (L_1 and L_2) as Primary Fluorescence Switch-on Sensors for Zn^{2+} in Solution and in HeLa Cells and the Recognition of Pyrophosphate and ATP by $[ZnL_2]$. <i>Inorganic Chemistry</i> , 2012, 51, 4994-5005.	4.0	87
32	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
33	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
34	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
35	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
36	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

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37	Antimitotic Sulfonamides Inhibit Microtubule Assembly Dynamics and Cancer Cell Proliferation. <i>Biochemistry</i> , 2006, 45, 5440-5449.	2.5	77
38	2-Methoxyestradiol suppresses microtubule dynamics and arrests mitosis without depolymerizing microtubules. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 2225-2233.	4.1	76
39	Suppression of Microtubule Dynamic Instability and Treadmilling by Deuterium Oxide. <i>Biochemistry</i> , 2000, 39, 5075-5081.	2.5	73
40	Synthesis and evaluation of β -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
41	Pyrophosphate Sensing by a Fluorescent Zn ²⁺ -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
42	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
43	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
44	Targeting FtsZ for antibacterial therapy: a promising avenue. <i>Expert Opinion on Therapeutic Targets</i> , 2009, 13, 1037-1051.	3.4	62
45	Antiproliferative Activity of Crocin Involves Targeting of Microtubules in Breast Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 44984.	3.3	62
46	Unfolding pathways of human serum albumin: Evidence for sequential unfolding and folding of its three domains. <i>International Journal of Biological Macromolecules</i> , 2005, 37, 200-204.	7.5	60
47	Suppression of Microtubule Dynamics by LY290181. <i>Journal of Biological Chemistry</i> , 1997, 272, 7681-7687.	3.4	59
48	Interaction of the Antitumor Compound Cryptophycin-52 with Tubulin. <i>Biochemistry</i> , 2000, 39, 14121-14127.	2.5	59
49	Glutamate-induced Assembly of Bacterial Cell Division Protein FtsZ. <i>Journal of Biological Chemistry</i> , 2003, 278, 3735-3741.	3.4	59
50	Rational Design of the Microtubule-Targeting Anti-Breast Cancer Drug EM015. <i>Cancer Research</i> , 2006, 66, 3782-3791.	0.9	58
51	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
52	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
53	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
54	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

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55	Multiple-probe analysis of folding and unfolding pathways of human serum albumin. Evidence for a framework mechanism of folding. <i>FEBS Journal</i> , 2004, 271, 1789-1797.	0.2	53
56	Cd ²⁺ 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
57	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
58	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
59	Regulation of neuronal microtubule dynamics by tau: Implications for tauopathies. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 473-483.	7.5	47
60	Determination of the Size and Chemical Nature of the Stabilizing α -Cap at Microtubule Ends Using Modulators of Polymerization Dynamics. <i>Biochemistry</i> , 2002, 41, 1609-1617.	2.5	45
61	Synthesis and anticancer activity studies of β -aminoalkylated conjugated nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3211-3214.	2.8	45
62	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
63	Exploring the Origin of Differential Binding Affinities of Human Tubulin Isoforms β II, β III and β IV for DAMA-Colchicine Using Homology Modelling, Molecular Docking and Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2016, 11, e0156048.	2.5	41
64	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
65	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
66	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
67	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
68	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
69	Suppression of Microtubule Dynamics by Binding of Cemadotin to Tubulin: Possible Mechanism for Its Antitumor Action. <i>Biochemistry</i> , 1998, 37, 17571-17578.	2.5	38
70	A natural osmolyte trimethylamine N-oxide promotes assembly and bundling of the bacterial cell division protein, FtsZ and counteracts the denaturing effects of urea. <i>FEBS Journal</i> , 2005, 272, 2760-2772.	4.7	38
71	Microtubules as antifungal and antiparasitic drug targets. <i>Expert Opinion on Therapeutic Patents</i> , 2011, 21, 167-186.	5.0	38
72	Inhibition of Mitosis and Microtubule Function through Direct Tubulin Binding by a Novel Antiproliferative Naphthopyran LY290181. <i>Molecular Pharmacology</i> , 1997, 52, 437-444.	2.3	37

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73	Tubulin heterogeneity regulates functions and dynamics of microtubules and plays a role in the development of drug resistance in cancer. <i>Biochemical Journal</i> , 2019, 476, 1359-1376.	3.7	37
74	FtsZ inhibition: A promising approach for antistaphylococcal therapy. <i>Drug News and Perspectives</i> , 2010, 23, 295.	1.5	37
75	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
76	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
77	SB-RA-2001 Inhibits Bacterial Proliferation by Targeting FtsZ Assembly. <i>Biochemistry</i> , 2014, 53, 2979-2992.	2.5	35
78	Transcription factor NF- κ 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
79	Reversible dimer dissociation of tubulin S and tubulin detected by fluorescence anisotropy. <i>Biochemistry</i> , 1992, 31, 9709-9716.	2.5	34
80	Detection of an Intermediate during Unfolding of Bacterial Cell Division Protein FtsZ. <i>Journal of Biological Chemistry</i> , 2003, 278, 21336-21343.	3.4	34
81	Combretastatin-Inspired Heterocycles as Antitubulin Anticancer Agents. <i>ACS Omega</i> , 2018, 3, 9754-9769.	3.5	34
82	Drug-Clinical Agent Molecular Hybrid: Synthesis of Diaryl(trifluoromethyl)pyrazoles as Tubulin Targeting Anticancer Agents. <i>ACS Omega</i> , 2018, 3, 1955-1969.	3.5	33
83	A Zn ²⁺ specific triazole based calix[4]arene conjugate (L) as a fluorescence sensor for histidine and cysteine in HEPES buffer milieu. <i>Analyst</i> , The, 2012, 137, 4069.	3.5	32
84	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
85	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
86	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
87	Ruthenium Red-induced Bundling of Bacterial Cell Division Protein, FtsZ. <i>Journal of Biological Chemistry</i> , 2004, 279, 25959-25965.	3.4	30
88	E93R Substitution of <i>Escherichia coli</i> 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
89	An acetylation mimicking mutation, K274Q, in tau imparts neurotoxicity by enhancing tau aggregation and inhibiting tubulin polymerization. <i>Biochemical Journal</i> , 2019, 476, 1401-1417.	3.7	29
90	Large-bite bis(phosphite) ligand containing mesocyclic thioether moieties: synthesis, reactivity, group 11 (CuI, AuI) metal complexes and anticancer activity studies on a human cervical cancer (HeLa) cell line. <i>Dalton Transactions</i> , 2008, , 2285.	3.3	28

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91	Fluorescence Spectroscopic Methods to Analyze Drug-Tubulin Interactions. <i>Methods in Cell Biology</i> , 2010, 95, 301-329.	1.1	28
92	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
93	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
94	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
95	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
96	Identification of agents targeting FtsZ assembly. <i>Future Medicinal Chemistry</i> , 2016, 8, 1111-1132.	2.3	26
97	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
98	A Carbocyclic Curcumin Inhibits Proliferation of Gram-Positive Bacteria by Targeting FtsZ. <i>Biochemistry</i> , 2017, 56, 514-524.	2.5	25
99	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
100	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
101	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
102	Indibulin dampens microtubule dynamics and produces synergistic antiproliferative effect with vinblastine in MCF-7 cells: Implications in cancer chemotherapy. <i>Scientific Reports</i> , 2018, 8, 12363.	3.3	22
103	ZipA Binds to FtsZ with High Affinity and Enhances the Stability of FtsZ Protofilaments. <i>PLoS ONE</i> , 2011, 6, e28262.	2.5	22
104	Benzo[<i>a</i>]fluorene-9-ol inhibits bacterial cell proliferation by perturbing FtsZ assembly. <i>FEBS Journal</i> , 2015, 282, 4015-4033.	4.7	21
105	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
106	Quercetin Encapsulated Biodegradable Plasmonic Nanoparticles for Photothermal Therapy of Hepatocellular Carcinoma Cells. <i>ACS Applied Bio Materials</i> , 2019, 2, 5727-5738.	4.6	21
107	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
108	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

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109	Lessons from bacterial homolog of tubulin, FtsZ for microtubule dynamics. <i>Endocrine-Related Cancer</i> , 2017, 24, T1-T21.	3.1	20
110	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
111	Resveratrol inhibits type II phosphatidylinositol 4-kinase: A key component in pathways of phosphoinositide turn over. <i>Biochemical Pharmacology</i> , 2005, 70, 1048-1055.	4.4	19
112	Antimicrobial Peptide CRAMP (16-kDa) Stalls Bacterial Cytokinesis by Inhibiting FtsZ Assembly. <i>Biochemistry</i> , 2014, 53, 6426-6429.	2.5	19
113	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
114	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
115	Methyl- β -cyclodextrin, an actin depolymerizer augments the antiproliferative potential of microtubule-targeting agents. <i>Scientific Reports</i> , 2019, 9, 7638.	3.3	19
116	Excimer fluorescence of pyrene-maleimide-labeled tubulin. <i>FEBS Journal</i> , 1992, 204, 783-787.	0.2	17
117	Deuterium oxide promotes assembly and bundling of FtsZ protofilaments. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 1101-1110.	2.6	17
118	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
119	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
120	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
121	MAP2 prevents protein aggregation and facilitates reactivation of unfolded enzymes. Implications for the chaperone-like activity of MAP2. <i>FEBS Journal</i> , 2004, 271, 1488-1496.	0.2	16
122	Interaction of microtubule depolymerizing agent indanocine with different human β tubulin isoforms. <i>PLoS ONE</i> , 2018, 13, e0194934.	2.5	16
123	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
124	The centrosome: a prospective entrant in cancer therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 957-972.	3.4	15
125	A centrosomal protein STARD9 promotes microtubule stability and regulates spindle microtubule dynamics. <i>Cell Cycle</i> , 2018, 17, 2052-2068.	2.6	15
126	Crocin, a carotenoid, suppresses spindle microtubule dynamics and activates the mitotic checkpoint by binding to tubulin. <i>Biochemical Pharmacology</i> , 2019, 163, 32-45.	4.4	15

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127	Delineating the interaction of combretastatin A-4 with β -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
128	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
129	Pyrene Excimer Fluorescence of Yeast Alcohol Dehydrogenase: A Sensitive Probe to Investigate Ligand Binding and Unfolding Pathway of the Enzyme. <i>Photochemistry and Photobiology</i> , 2006, 82, 480.	2.5	13
130	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
131	An Analysis of FtsZ Assembly Using Small Angle X-ray Scattering and Electron Microscopy. <i>Langmuir</i> , 2009, 25, 3775-3785.	3.5	13
132	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
133	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
134	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
135	C12, a combretastatin-A4 analog, exerts anticancer activity by targeting microtubules. <i>Biochemical Pharmacology</i> , 2019, 170, 113663.	4.4	13
136	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
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