

# Narsimha Reddy Penthala

## List of Publications by Year in descending order

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63  
papers

887  
citations

430442

18  
h-index

525886

27  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and biological evaluation of novel 4,5-disubstituted 2H-1,2,3-triazoles as cis-constrained analogues of combretastatin A-4. <i>European Journal of Medicinal Chemistry</i> , 2015, 103, 123-132.	2.6	56
2	Synthesis and anti-cancer screening of novel heterocyclic-(2H)-1,2,3-triazoles as potential anti-cancer agents. <i>MedChemComm</i> , 2015, 6, 1535-1543.	3.5	49
3	Synthesis and evaluation of a series of benzothiophene acrylonitrile analogs as anticancer agents. <i>MedChemComm</i> , 2013, 4, 1073.	3.5	48
4	Synthesis and in vitro evaluation of N-alkyl-3-hydroxy-3-(2-imino-3-methyl-5-oxoimidazolidin-4-yl)indolin-2-one analogs as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4468-4471.	1.0	36
5	Synthesis and anti-proliferative activity of aromatic substituted 5-((1-benzyl-1H-indol-3-yl)methylene)-1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione analogs against human tumor cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 601-603.	1.0	34
6	Characterization of structurally novel G protein biased CB 1 agonists: Implications for drug development. <i>Pharmacological Research</i> , 2017, 125, 161-177.	3.1	32
7	Synthesis and evaluation of a series of resveratrol analogues as potent anti-cancer agents that target tubulin. <i>MedChemComm</i> , 2015, 6, 788-794.	3.5	31
8	A novel tetrazole analogue of resveratrol is a potent anticancer agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 172-178.	1.0	31
9	Dimers of Melampomagnolide B Exhibit Potent Anticancer Activity against Hematological and Solid Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8896-8906.	2.9	29
10	Targeting Nucleophosmin 1 Represents a Rational Strategy for Radiation Sensitization. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 1106-1114.	0.4	28
11	5-((1-Aroyl-1H-indol-3-yl)methylene)-2-thioxodihydropyrimidine-4,6(1H,5H)-diones as potential anticancer agents with anti-inflammatory properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 1442-1446.	1.0	27
12	Anti-cancer activity of carbamate derivatives of melampomagnolide B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3499-3502.	1.0	27
13	A Small-Molecule Inhibitor of Human DNA Polymerase $\delta$ Potentiates the Effects of Cisplatin in Tumor Cells. <i>Biochemistry</i> , 2018, 57, 1262-1273.	1.2	27
14	Microwave assisted synthesis and in vitro cytotoxicities of substituted (Z)-2-amino-5-(1-benzyl-1H-indol-3-yl)methylene-1-methyl-1H-imidazol-4(5H)-ones against human tumor cell lines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 591-593.	1.0	26
15	Identification of resveratrol analogs as potent anti-dengue agents using a cell-based assay. <i>Journal of Medical Virology</i> , 2017, 89, 397-407.	2.5	26
16	Synthesis and in vitro screening of novel N-benzyl aplysinopsin analogs as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1411-1413.	1.0	24
17	Indole carboxylic acid esters of melampomagnolide B are potent anticancer agents against both hematological and solid tumor cells. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 393-405.	2.6	23
18	Structural modeling of GSK3 $\beta$ implicates the inactive (DFG-out) conformation as the target bound by TDZD analogs. <i>Scientific Reports</i> , 2020, 10, 18326.	1.6	23

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19	Heck products of parthenolide and melampomagnolide-B as anticancer modulators that modify cell cycle progression. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 517-525.	2.6	18
20	Synthesis and evaluation of a series of quinolinyl trans-cyanostilbene analogs as anticancer agents. <i>MedChemComm</i> , 2014, 5, 886-890.	3.5	18
21	Heteroaromatic analogs of the resveratrol analog DMU-212 as potent anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2763-2767.	1.0	18
22	Synthesis, anticancer activity and molecular docking studies on a series of heterocyclic trans-cyanocombretastatin analogues as antitubulin agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 212-220.	2.6	18
23	Inhibition of Human DNA Polymerases Eta and Kappa by Indole-Derived Molecules Occurs through Distinct Mechanisms. <i>ACS Chemical Biology</i> , 2019, 14, 1337-1351.	1.6	18
24	l-Proline catalyzed one-step synthesis of 4,5-diaryl-2H-1,2,3-triazoles from heteroaryl cyanostilbenes via [3+2]cycloaddition of azide. <i>Tetrahedron Letters</i> , 2014, 55, 5562-5565.	0.7	17
25	N-Naphthoyl-substituted indole thio-barbituric acid analogs inhibit the helicase activity of the hepatitis C virus NS3. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 430-434.	1.0	17
26	A Novel Microtubule-Binding Drug Attenuates and Reverses Protein Aggregation in Animal Models of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 310.	1.4	15
27	Binding Modes and Selectivity of Cannabinoid 1 (CB1) and Cannabinoid 2 (CB2) Receptor Ligands. <i>ACS Chemical Neuroscience</i> , 2020, 11, 3455-3463.	1.7	15
28	Design and Synthesis of Novel Hybrid 8-Hydroxy Quinoline-Indole Derivatives as Inhibitors of A $\beta$ <sup>2</sup> Self-Aggregation and Metal Chelation-Induced A $\beta$ <sup>2</sup> Aggregation. <i>Molecules</i> , 2020, 25, 3610.	1.7	15
29	Characterization of the intrinsic activity for a novel class of cannabinoid receptor ligands: Indole quinuclidine analogs. <i>European Journal of Pharmacology</i> , 2014, 737, 140-148.	1.7	13
30	Aggregate Interactome Based on Protein Cross-linking Interfaces Predicts Drug Targets to Limit Aggregation in Neurodegenerative Diseases. <i>IScience</i> , 2019, 20, 248-264.	1.9	12
31	Pyrrolidine analogs of GZ-793A: Synthesis and evaluation as inhibitors of the vesicular monoamine transporter-2 (VMAT2). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3342-3345.	1.0	11
32	Biobanked Glioblastoma Patient-Derived Organoids as a Precision Medicine Model to Study Inhibition of Invasion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10720.	1.8	11
33	Heterocyclic aminoparthenolide derivatives modulate G2-M cell cycle progression during <i>Xenopus</i> oocyte maturation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1963-1967.	1.0	10
34	Dioxol and dihydrodioxin analogs of 2- and 3-phenylacetonitriles as potent anti-cancer agents with nanomolar activity against a variety of human cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2164-2169.	1.0	9
35	Novel High-Throughput Deoxyribonuclease 1 Assay. <i>Journal of Biomolecular Screening</i> , 2015, 20, 202-211.	2.6	7
36	Synthesis and Evaluation of 2-Naphthaleno trans-Stilbenes and Cyanostilbenes as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 556-564.	0.9	7

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37	Novel hydroxybenzylamine-deoxyvasicinone hybrids as anticholinesterase therapeutics for Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 45, 116311.	1.4	6
38	N-[11 CH 3 ]Dimethylaminoparthenolide (DMAPT) uptake into orthotopic 9LSF glioblastoma tumors in the rat. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5883-5886.	1.0	5
39	A Facile Microwave Assisted TEMPO/NaOCl/Oxone (KHSO <sub>5</sub> ) Mediated Micron Cellulose Oxidation Procedure: Preparation of Two Nano TEMPO-Cellulose Forms. <i>Starch/Staerke</i> , 2020, 72, 1900213.	1.1	5
40	Aging-associated skeletal muscle defects in HER2/Neu transgenic mammary tumour model. <i>JCSM Rapid Communications</i> , 2021, 4, 24-39.	0.6	5
41	(E)-13-(4-Aminophenyl)parthenolide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1709-o1710.	0.2	5
42	Comparison of crystal structures of 4-(benzo[ <i>b</i> ]thiophen-2-yl)-5-(3,4,5-trimethoxyphenyl)-2H-1,2,3-triazole and 4-(benzo[ <i>b</i> ]thiophen-2-yl)-2-methyl-5-(3,4,5-trimethoxyphenyl)-2H-1,2,3-triazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 392-395.	0.2	5
43	Reduced Tolerance and Asymmetrical Crosstolerance to Effects of the Indole Quinuclidinone Analog PNR-4-20, a G Protein-Biased Cannabinoid 1 Receptor Agonist in Mice: Comparisons with $\Delta^9$ -Tetrahydrocannabinol and JWH-018. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 369, 259-269.	1.3	4
44	7-Azaindolequinuclidinones (7-AIQD): A novel class of cannabinoid 1 (CB1) and cannabinoid 2 (CB2) receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127501.	1.0	4
45	Antitumor properties of novel sesquiterpene lactone analogs as NF $\kappa$ B inhibitors that bind to the IKK $\beta$ ubiquitin-like domain (ULD). <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113675.	2.6	4
46	Development and validation of a novel assay to identify radiosensitizers that target nucleophosmin 1. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3681-3686.	1.4	3
47	Oxone <sup>®</sup> -Mediated TEMPO-Oxidized Cellulose Nanomaterials form I and form II. <i>Molecules</i> , 2020, 25, 1847.	1.7	3
48	Crystal structure of 4,5-bis(3,4,5-trimethoxyphenyl)-2H-1,2,3-triazole methanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1128-o1129.	0.2	2
49	Crystal structure of (E)-13-{4-[(Z)-2-cyano-2-(3,4,5-trimethoxyphenyl)ethenyl]phenyl}parthenolide methanol hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1092-o1093.	0.2	2
50	13-( <i>N,N</i> -Dimethylamino)micheliolide 0.08-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1789-o1790.	0.2	2
51	rac-(Z)-Methyl 1-benzyl-3-[(3-hydroxyquinuclidin-2-ylidene)methyl]-1H-indole-6-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3111-o3111.	0.2	1
52	rac-5-Bromo-N-benzylisatincreatinine ethanol monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o288-o289.	0.2	1
53	Monosuccinate ester of melampomagnolide B. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o372-o373.	0.2	1
54	Crystal structures of (Z)-5-[2-(benzo[ <i>b</i> ]thiophen-2-yl)-1-(3,5-dimethoxyphenyl)ethenyl]-1H-tetrazole and (Z)-5-[2-(benzo[ <i>b</i> ]thiophen-3-yl)-1-(3,4,5-trimethoxyphenyl)ethenyl]-1H-tetrazole. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 652-655.	0.2	1

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55	Comparison of the crystal structures of 4,4'-bis[3-(4-methylpiperidin-1-yl)prop-1-yn-1-yl]-1,1'-biphenyl and 4,4'-bis[3-(2,2,6,6-tetramethylpiperidin-1-yl)prop-1-yn-1-yl]-1,1'-biphenyl. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1132-1135.	0.2	1
56	Crystal structure of (E)-13-(pyrimidin-5-yl)parthenolide. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1536-1538.	0.2	1
57	rac-N-Benzylisatincreatinine (unknown solvate). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o290-o291.	0.2	0
58	(E)-13-(2-Bromophenyl)micheliolide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o251-o252.	0.2	0
59	Evaluation of bone and kidney toxicity of BT2-peg2, a potential carrier for the targeted delivery of antibiotics to bone. Toxicology Reports, 2021, 8, 359-364.	1.6	0
60	A pharmacokinetic study of morphine-6-O-sulfate in rat plasma and brain. Drug Development Research, 2021, 82, 802-814.	1.4	0
61	Identification and characterization of novel small molecule inhibitors of the human Y-family DNA polymerases. FASEB Journal, 2013, 27, 543.1.	0.2	0
62	13-(Imidazol-1-yl)-11,13-dihydromelampomagnolide B monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1734-o1735.	0.2	0
63	Comparison crystal structure conformations of two structurally related biphenyl analogues: 4,4'-bis[3-(pyrrolidin-1-yl)prop-1-yn-1-yl]-1,1'-biphenyl and 4,4'-bis[3-[(S)-2-methylpyrrolidin-1-yl]prop-1-yn-1-yl]-1,1'-biphenyl. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1147-1150.	0.2	0