Anthony Addlagatta

List of Publications by Year
in descending order

63	1,799	257450 24	289244 40
papers	citations	h-index	g-index

66	66	66	2409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methionine aminopeptidases with short sequence inserts within the catalytic domain are differentially inhibited: Structural and biochemical studies of three proteins from Vibrio spp.. European Journal of Medicinal Chemistry, 2021, 209, 112883.	5.5	3
2	Exo-selective intermolecular Dielsâ€“Alder reaction by PyrI4 and AbnU on non-natural substrates. Communications Chemistry, 2021, 4, .	4.5	3
3	Selective inhibition of Helicobacter pylori methionine aminopeptidase by azaindole hydroxamic acid derivatives: Design, synthesis, in vitro biochemical and structural studies. Bioorganic Chemistry, 2021, 115, 105185.	4.1	3
4	Puromycin, a selective inhibitor of PSA acts as a substrate for other M1 family aminopeptidases: Biochemical and structural basis. International Journal of Biological Macromolecules, 2020, 165, 1373-1381.	7.5	3
5	Bengamides display potent activity against drug-resistant Mycobacterium tuberculosis. Scientific Reports, 2019, 9, 14396.	3.3	10
6	Unraveling structural insights of ribokinase from Leishmania donovani. International Journal of Biological Macromolecules, 2019, 136, 253-265.	7.5	10
7	Discovery of natural product ovalicin sensitive type 1 methionine aminopeptidases: molecular and structural basis. Biochemical Journal, 2019, 476, 991-1003.	3.7	4
8	Discovery of a new class of type 1 methionine aminopeptidases that have relaxed substrate specificity. International Journal of Biological Macromolecules, 2019, 129, 523-529.	7.5	6
9	Synthesis and mechanistic studies of diketo acids and their bioisosteres as potential antibacterial agents. European Journal of Medicinal Chemistry, 2019, 163, 67-82.	5.5	7
10	Aminobenzosuberone Scaffold as a Modular Chemical Tool for the Inhibition of Therapeutically Relevant M1 Aminopeptidases. Molecules, 2018, 23, 2607.	3.8	8
11	Discovery, Structural and Biochemical Studies of a rare Glu/Asp Specific M1 Class Aminopeptidase from Legionella pneumophila. International Journal of Biological Macromolecules, 2018, 120, 1111-1118.	7.5	2
12	The unique functional role of the Câ€“Hâ‹¯S hydrogen bond in the substrate specificity and enzyme catalysis of type 1 methionine aminopeptidase. Molecular BioSystems, 2016, 12, 2408-2416.	2.9	12
13	Human Naa50 Protein Displays Broad Substrate Specificity for Amino-terminal Acetylation. Journal of Biological Chemistry, 2016, 291, 20530-20538.	3.4	12
14	Expression, Functional Characterization and X-ray Analysis of HosA, A Member of MarR Family of Transcription Regulator from Uropathogenic Escherichia coli. Protein Journal, 2016, 35, 269-282.	1.6	11
15	Chemical shift assignments of zinc finger domain of methionine aminopeptidase 1 (MetAP1) from Homo sapiens. Biomolecular NMR Assignments, 2015, 9, 351-353.	0.8	1
16	Structural basis for the inhibition of <scp>M</scp>1 family aminopeptidases by the natural product actinonin: Crystal structure in complex with <scp>E</scp>. coli aminopeptidase <scp>N</scp>. Protein Science, 2015, 24, 823-831.	7.6	14
17	Identification of the Molecular Basis of Inhibitor Selectivity between the Human and Streptococcal Type I Methionine Aminopeptidases. Journal of Medicinal Chemistry, 2015, 58, 2350-2357.	6.4	20
18	Diketo acids and their amino acid/dipeptidic analogues as promising scaffolds for the development of bacterial methionine aminopeptidase inhibitors. RSC Advances, 2015, 5, 34173-34183.	3.6	20

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19	Highly functionalized tetrahydropyridines are cytotoxic and selective inhibitors of human puromycin sensitive aminopeptidase. European Journal of Medicinal Chemistry, 2015, 106, 26-33.	5.5	12
20	Synthesis and structureâ€“activity relationships of pyridinyl-1H-1,2,3-triazolyldihydroisoxazoles as potent inhibitors of tubulin polymerization. European Journal of Medicinal Chemistry, 2015, 90, 603-619.	5.5	33
21	Design and synthesis of pyrazoleâ€“oxindole conjugates targeting tubulin polymerization as new anticancer agents. European Journal of Medicinal Chemistry, 2015, 92, 501-513.	5.5	86
22	Catalyst-free efficient synthesis of polyhydroquinolines using polyethylene glycol as a solvent and evaluation of their cytotoxicity. Medicinal Chemistry Research, 2014, 23, 1031-1036.	2.4	17
23	Microwave-assisted palladium mediated efficient synthesis of pyrazolo[3,4-b]pyridines, pyrazolo[3,4-b]quinolines, pyrazolo[1,5-a]pyrimidines and pyrazolo[1,5-a]quinazolines. RSC Advances, 2014, 4, 24001-24006.	3.6	56
24	Selective targeting of the conserved active site cysteine of MycobacteriumÂtuberculosis methionine aminopeptidase with electrophilic reagents. FEBS Journal, 2014, 281, 4240-4248.	4.7	10
25	Discovery of TrÃ¶ger's base analogues as selective inhibitors against human breast cancer cell line: Design, synthesis and cytotoxic evaluation. European Journal of Medicinal Chemistry, 2014, 86, 39-47.	5.5	12
26	Pancreatic Î±-amylase inhibition and free radical scavenging activity of substituted pyranochromenone derivatives. Medicinal Chemistry Research, 2014, 23, 2821-2833.	2.4	6
27	Synthesis and Biological Evaluation of Imidazopyridineâ€“Oxindole Conjugates as Microtubuleâ€Targeting Agents. ChemMedChem, 2013, 8, 2015-2025.	3.2	36
28	Synthesis, cytotoxic, and DNA binding studies of novel fluorinated condensed pyrano pyrazoles. Medicinal Chemistry Research, 2013, 22, 2446-2454.	2.4	49
29	Association of glutamate carboxypeptidase II (GCPII) haplotypes with breast and prostate cancer risk. Gene, 2013, 516, 76-81.	2.2	9
30	Synthesis, cytotoxicity and hDHFR inhibition studies of 2H-pyrido[1,2-a]pyrimidin-2-ones. MedChemComm, 2013, 4, 817.	3.4	19
31	Identification, Biochemical and Structural Evaluation of Species-Specific Inhibitors against Type I Methionine Aminopeptidases. Journal of Medicinal Chemistry, 2013, 56, 5295-5305.	6.4	26
32	Design and synthesis of biaryl aryl stilbenes/ethylenes asÂantimicrotubule agents. European Journal of Medicinal Chemistry, 2013, 60, 305-324.	5.5	28
33	Discovery of a New Genetic Variant of Methionine Aminopeptidase from Streptococci with Possible Post-Translational Modifications: Biochemical and Structural Characterization. PLoS ONE, 2013, 8, e75207.	2.5	16
34	Green Synthesis of Curcumin Capped Gold Nanoparticles and Evaluation of Their Cytotoxicity. Nanoscience and Nanotechnology Letters, 2013, 5, 1258-1265.	0.4	43
35	Synthesis and biological evaluation of combretastatin-amidobenzothiazole conjugates as potential anticancer agents. European Journal of Medicinal Chemistry, 2012, 56, 166-178.	5.5	34
36	Structural studies of Enterococcus faecalis methionine aminopeptidase and design of microbe specific 2,2â€²-bipyridine based inhibitors. MedChemComm, 2012, 3, 1406.	3.4	18

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37	Paradoxical role of C1561T glutamate carboxypeptidase II (GCPII) genetic polymorphism in altering disease susceptibility. Gene, 2012, 497, 273-279.	2.2	17
38	Synthesis of tetrazoleâ€“isoxazoline hybrids as a new class of tubulin polymerization inhibitors. MedChemComm, 2012, 3, 1386.	3.4	22
39	Glu121â€“Lys319 salt bridge between catalytic and Nâ€terminal domains is pivotal for the activity and stability of Escherichia coli aminopeptidase N. Protein Science, 2012, 21, 727-736.	7.6	15
40	3â€Substituted 2â€Phenylimidazo[2,1â€b]benzothiazoles: Synthesis, Anticancer Activity, and Inhibition of Tubulin Polymerization. ChemMedChem, 2012, 7, 292-300.	3.2	39
41	Synthesis of chalcone-amidobenzothiazole conjugates as antimitotic and apoptotic inducing agents. Bioorganic and Medicinal Chemistry, 2012, 20, 3480-3492.	3.0	44
42	Iodine-catalyzed condensation of isatin with indoles: A facile synthesis of di(indolyl)indolin-2-ones and evaluation of their cytotoxicity. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2460-2463.	2.2	82
43	Design and Synthesis of Resveratrol-Based Nitrovinylstilbenes as Antimitotic Agents. Journal of Medicinal Chemistry, 2011, 54, 6751-6760.	6.4	81
44	First Stereoselective Total Synthesis and Biological Evaluation of Amphidinin B and Its Analogues. European Journal of Organic Chemistry, 2011, 2011, 696-706.	2.4	16
45	Discovery of Î±,Î²â€•and Î±,Î³â€Diamino Acid Scaffolds for the Inhibition of M1 Family Aminopeptidases. ChemMedChem, 2011, 6, 1971-1976.	3.2	14
46	Structure activity relationship studies of imidazo[1,2-a]pyrazine derivatives against cancer cell lines. European Journal of Medicinal Chemistry, 2010, 45, 5208-5216.	5.5	48
47	Structural Basis for the Unusual Specificity of Escherichia coli Aminopeptidase N. Biochemistry, 2008, 47, 5303-5311.	2.5	48
48	Structure of the angiogenesis inhibitor ovalicin bound to its noncognate target, human Type 1 methionine aminopeptidase. Protein Science, 2006, 15, 1842-1848.	7.6	23
49	Identification of Pyridinylpyrimidines as Inhibitors of Human Methionine Aminopeptidases. Angewandte Chemie - International Edition, 2006, 45, 3772-3775.	13.8	35
50	Cover Picture: Identification of Pyridinylpyrimidines as Inhibitors of Human Methionine Aminopeptidases (Angew. Chem. Int. Ed. 23/2006). Angewandte Chemie - International Edition, 2006, 45, 3717-3717.	13.8	0
51	Structure of aminopeptidase N from Escherichia coli suggests a compartmentalized, gated active site. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13339-13344.	7.1	104
52	Elucidation of the function of type 1 human methionine aminopeptidase during cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18148-18153.	7.1	75
53	Determining Structure and Function of Steroid Dehydrogenase Enzymes by Sequence Analysis, Homology Modeling, and Rational Mutational Analysis. Annals of the New York Academy of Sciences, 2005, 1061, 135-148.	3.8	19
54	Rational genomics I: Antisense open reading frames and codon bias in short-chain oxido reductase enzymes and the evolution of the genetic code. Proteins: Structure, Function and Bioinformatics, 2005, 61, 900-906.	2.6	13

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55	Identification of an SH3-Binding Motif in a New Class of Methionine Aminopeptidases fromMycobacterium tuberculosisSuggests a Mode of Interaction with the Ribosomeâ€‚â€¡. Biochemistry, 2005, 44, 7166-7174.	2.5	57
56	Structural Basis for the Functional Differences between Type I and Type II Human Methionine Aminopeptidases,. Biochemistry, 2005, 44, 14741-14749.	2.5	80
57	Structure/function aspects of human 3Î²-hydroxysteroid dehydrogenase. Molecular and Cellular Endocrinology, 2004, 215, 73-82.	3.2	18
58	Three-dimensional structure of homodimeric cholesterol esteraseâ€“ligand complex at 1.4â€…Ã… resolution. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 50-56.	2.5	23
59	Rational proteomics I. Fingerprint identification and cofactor specificity in the short-chain oxidoreductase (SCOR) enzyme family. Proteins: Structure, Function and Bioinformatics, 2003, 53, 931-943.	2.6	53
60	Structure/Function Relationships Responsible for Coenzyme Specificity and the Isomerase Activity of Human Type 1 3Î²-Hydroxysteroid Dehydrogenase/Isomerase. Journal of Biological Chemistry, 2003, 278, 35483-35490.	3.4	61
61	4,4-Diphenyl-2,5-cyclohexadienone: Four Polymorphs and Nineteen Crystallographically Independent Molecular Conformations. Angewandte Chemie - International Edition, 2002, 41, 3848-3851.	13.8	79
62	Ultrahigh-resolution structure of a BPTI mutant. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 649-663.	2.5	48
63	Crystal structure and vibrational spectrum of N-methylpiperidine betaine hexafluorosilicate. Journal of Molecular Structure, 2001, 598, 267-276.	3.6	24