Adolfo Amici

List of Publications by Year in Descending Order

73 papers	6,127 citations	26 h-index	78 g-index
78 ext. papers	6,658 ext. citations	4.2 avg, IF	4.7 L-index

#	Paper	IF	Citations
73	SARM1 is a multi-functional NAD(P)ase with prominent base exchange activity, all regulated bymultiple physiologically relevant NAD metabolites.. *IScience*, **2022**, 25, 103812	6.1	6
72	Molecular Insights Into The Interaction Between Human Nicotinamide Phosphoribosyltransferase and Toll-Like Receptor 4.. *Journal of Biological Chemistry*, **2022**, 101669	5.4	2
71	Structural Basis of Human Dimeric α-Amino-β-Carboxymuconate-ε-Semialdehyde Decarboxylase Inhibition With TES-1025.. *Frontiers in Molecular Biosciences*, **2022**, 9, 834700	5.6	1
70	Neurotoxin-mediated --potent activation of the axon degeneration regulator SARM1. *ELife*, **2021**, 10,	8.9	6
69	Insights into the Antioxidant Mechanism of Newly Synthesized Benzoxazinic Nitrones: In Vitro and In Silico Studies with DPPH Model Radical. *Antioxidants*, **2021**, 10,	7.1	2
68	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. *Food and Chemical Toxicology*, **2021**, 156, 112484	4.7	6
67	Anti-inflammatory activities of Italian Chestnut and Eucalyptus honeys on murine RAW 264.7 macrophages. *Journal of Functional Foods*, **2021**, 87, 104752	5.1	0
66	Functional Characterization of COG1713 (YqeK) as a Novel Diadenosine Tetraphosphate Hydrolase Family. *Journal of Bacteriology*, **2020**, 202,	3.5	6
65	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. *Antioxidants*, **2020**, 9,	7.1	16
64	Phenolic compounds from Mediterranean foods as nutraceutical tools for the prevention of cancer: The effect of honey polyphenols on colorectal cancer stem-like cells from spheroids. *Food Chemistry*, **2020**, 325, 126881	8.5	29
63	Strawberry tree honey as a new potential functional food. Part 2: Strawberry tree honey increases ROS generation by suppressing Nrf2-ARE and NF-Β signaling pathways and decreases metabolic phenotypes and metastatic activity in colon cancer cells. *Journal of Functional Foods*, **2019**, 57, 477-487	5.1	24
62	Strawberry tree honey as a new potential functional food. Part 1: Strawberry tree honey reduces colon cancer cell proliferation and colony formation ability, inhibits cell cycle and promotes apoptosis by regulating EGFR and MAPKs signaling pathways. *Journal of Functional Foods*, **2019**, 57, 439-452	5.1	26
61	The inhibitory effect of Manuka honey on human colon cancer HCT-116 and LoVo cell growth. Part 1: the suppression of cell proliferation, promotion of apoptosis and arrest of the cell cycle. *Food and Function*, **2018**, 9, 2145-2157	6.1	53
60	Manuka honey synergistically enhances the chemopreventive effect of 5-fluorouracil on human colon cancer cells by inducing oxidative stress and apoptosis, altering metabolic phenotypes and suppressing metastasis ability. *Free Radical Biology and Medicine*, **2018**, 126, 41-54	7.8	45
59	Modification of translation factor aIF5A from Sulfolobus solfataricus. *Extremophiles*, **2018**, 22, 769-780	3	2
58	Protective effects of Manuka honey on LPS-treated RAW 264.7 macrophages. Part 2: Control of oxidative stress induced damage, increase of antioxidant enzyme activities and attenuation of inflammation. *Food and Chemical Toxicology*, **2018**, 120, 578-587	4.7	50
57	Liposomal Formulations for an Efficient Encapsulation of Epigallocatechin-3-gallate: An in-Silico/Experimental Approach. *Molecules*, **2018**, 23,	4.8	20

56	Synthesis of Enantiopure Isosteres of Amino Acids Containing a Quaternary Stereocenter: Experimental and Computational Evaluation of a Novel Class of Atropisomers. *European Journal of Organic Chemistry*, **2018**, 2018, 6524-6536	3.2	4
55	Purification, characterization and cytotoxicity assessment of Ageritin: The first ribotoxin from the basidiomycete mushroom Agrocybe aegerita. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 1113-1121	4	25
54	Synthesis and Degradation of Adenosine 5STetraphosphate by Nicotinamide and Nicotinate Phosphoribosyltransferases. *Cell Chemical Biology*, **2017**, 24, 553-564.e4	8.2	11
53	Simultaneous quantitation of nicotinamide riboside, nicotinamide mononucleotide and nicotinamide adenine dinucleotide in milk by a novel enzyme-coupled assay. *Food Chemistry*, **2017**, 221, 161-168	8.5	24
52	Highly stable atropisomers by electrophilic amination of a chiral lactam within the synthesis of an elusive conformationally restricted analogue of methylhomoserine. *Amino Acids*, **2016**, 48, 461-78	3.5	4
51	A possible S-glutathionylation of specific proteins by glyoxalase II: An in vitro and in silico study. *Cell Biochemistry and Function*, **2016**, 34, 620-627	4.2	21
50	Novel nucleoside analogs tethered on (3R,4R)-4-(hydroxymethyl)pyrrolidin-3-ol. *Journal of the Iranian Chemical Society*, **2015**, 12, 655-665	2	1
49	Novel assay for simultaneous measurement of pyridine mononucleotides synthesizing activities allows dissection of the NAD(+) biosynthetic machinery in mammalian cells. *FEBS Journal*, **2014**, 281, 5104-19	5.7	33
48	Metabolic profiling of alternative NAD biosynthetic routes in mouse tissues. *PLoS ONE*, **2014**, 9, e113939	3.7	84
47	The enzymology of cytosolic pyrimidine 5Snucleotidases: functional analysis and physiopathological implications. *Current Medicinal Chemistry*, **2013**, 20, 4304-16	4.3	3
46	Constitutive expression of ciliary neurotrophic factor in mouse hypothalamus. *Journal of Anatomy*, **2012**, 220, 622-31	2.9	15
45	Characterization of human nicotinate phosphoribosyltransferase: Kinetic studies, structure prediction and functional analysis by site-directed mutagenesis. *Biochimie*, **2012**, 94, 300-9	4.6	25
44	Simultaneous single-sample determination of NMNAT isozyme activities in mouse tissues. *PLoS ONE*, **2012**, 7, e53271	3.7	32
43	A Proteomic Study on Donkey Milk. *Biochemistry and Analytical Biochemistry: Current Research*, **2012** , 1,		18
42	Genome size, GC percentage and 5mC level in the Indonesian coelacanth Latimeria menadoensis. *Marine Genomics*, **2011**, 4, 167-72	1.9	12
41	Identification of nicotinamide mononucleotide deamidase of the bacterial pyridine nucleotide cycle reveals a novel broadly conserved amidohydrolase family. *Journal of Biological Chemistry*, **2011**, 286, 40365-75	5.4	42
40	Appetite regulation: the central role of melatonin in Danio rerio. *Hormones and Behavior*, **2010**, 58, 780-5	3.7	64
39	Solution structure of the phytotoxic protein PcF: the first characterized member of the Phytophthora PcF toxin family. *Protein Science*, **2009**, 18, 1786-91	6.3	21

38	Evidence for essential catalytic determinants for human erythrocyte pyrimidine 5Snucleotidase. *Cellular and Molecular Life Sciences*, **2005**, 62, 1613-20	10.3	4
37	Enzymology of NAD+ homeostasis in man. *Cellular and Molecular Life Sciences*, **2004**, 61, 19-34	10.3	216
36	Characterization of Mycobacterium tuberculosis NAD kinase: functional analysis of the full-length enzyme by site-directed mutagenesis. *Biochemistry*, **2004**, 43, 7610-7	3.2	48
35	Structure and function of nicotinamide mononucleotide adenylyltransferase. *Current Medicinal Chemistry*, **2004**, 11, 873-85	4.3	50
34	Identification and characterization of a second NMN adenylyltransferase gene in Saccharomyces cerevisiae. *Protein Expression and Purification*, **2003**, 27, 357-64	2	25
33	Human erythrocyte pyrimidine 5Snucleotidase, PN-I. *Archives of Biochemistry and Biophysics*, **2002**, 397, 184-90	4.1	29
32	Kinetic evidence for covalent phosphoryl-enzyme intermediate in phosphotransferase activity of human red cell pyrimidine nucleotidases. *Methods in Enzymology*, **2002**, 354, 149-59	1.7	6
31	Identification of a novel human nicotinamide mononucleotide adenylyltransferase. *Biochemical and Biophysical Research Communications*, **2002**, 297, 835-40	3.4	99
30	Genetic basis of hemolytic anemia caused by pyrimidine 5Snucleotidase deficiency. *Blood*, **2001**, 97, 3327-32	2.2	48
29	Nicotinamide-mononucleotide adenylyltransferase from Sulfolobus solfataricus. *Methods in Enzymology*, **2001**, 331, 281-92	1.7	8
28	Molecular cloning, chromosomal localization, tissue mRNA levels, bacterial expression, and enzymatic properties of human NMN adenylyltransferase. *Journal of Biological Chemistry*, **2001**, 276, 406-12	5.4	149
27	Nicotinamide-mononucleotide adenylyltransferase from Methanococcus jannaschii. *Methods in Enzymology*, **2001**, 331, 292-8	1.7	7
26	Human erythrocyte pyrimidine 5?-nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to Interferon. *Blood*, **2000**, 96, 1596-1598	2.2	24
25	Human erythrocyte pyrimidine 5?-nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to Interferon. *Blood*, **2000**, 96, 1596-1598	2.2	1
24	Enzymology of NAD+ synthesis. *Advances in Enzymology and Related Areas of Molecular Biology*, **1999**, 73, 135-82, xi		141
23	Identification of the archaeal NMN adenylyltransferase gene. *Molecular and Cellular Biochemistry*, **1999**, 193, 99-102	4.2	13
22	Pyrimidine nucleotidases/phosphotransferases from human erythrocyte. *Nucleosides & Nucleotides*, **1999**, 18, 853-5		5
21	Synechocystis sp. slr0787 protein is a novel bifunctional enzyme endowed with both nicotinamide mononucleotide adenylyltransferase and SNudixShydrolase activities. *FEBS Letters*, **1999**, 444, 222-6	3.8	36

20	Identification and characterization of YLR328W, the Saccharomyces cerevisiae structural gene encoding NMN adenylyltransferase. Expression and characterization of the recombinant enzyme. *FEBS Letters*, **1999**, 455, 13-7	3.8	43
19	The Escherichia coli NadR regulator is endowed with nicotinamide mononucleotide adenylyltransferase activity. *Journal of Bacteriology*, **1999**, 181, 5509-11	3.5	59
18	Purification of human nicotinamide-mononucleotide adenylyltransferase. *Methods in Enzymology*, **1997**, 280, 241-7	1.7	9
17	Pyrimidine nucleotidases from human erythrocyte possess phosphotransferase activities specific for pyrimidine nucleotides. *FEBS Letters*, **1997**, 419, 263-7	3.8	40
16	Nicotinamide-mononucleotide adenylyltransferases from yeast and other microorganisms. *Methods in Enzymology*, **1997**, 280, 248-55	1.7	5
15	Characterization of nicotinamide mononucleotide adenylyltransferase from thermophilic archaea. *Journal of Bacteriology*, **1997**, 179, 7718-23	3.5	38
14	Three-minute high-performance liquid chromatographic assay for NMN adenylyltransferase using a 20-mm-long reversed-phase column. *Biomedical Applications*, **1996**, 676, 13-8		3
13	The antitumor drug, 1,3-bis(2-chloroethyl)-1-nitroso-urea, inactivates human nicotinamide mononucleotide adenylyltransferase. *Biochemical Pharmacology*, **1995**, 49, 575-9	6	11
12	Assay methods for nicotinamide mononucleotide adenylyltransferase of wide applicability. *Analytical Biochemistry*, **1995**, 228, 64-8	3.1	68
11	One-minute high-performance liquid chromatography assay for 5Snucleotidase using a 20-mm reverse-phase column. *Analytical Biochemistry*, **1994**, 216, 171-5	3.1	18
10	Pyridine dinucleotide biosynthesis in archaebacteria: presence of NMN adenylyltransferase in Sulfolobus solfataricus. *FEBS Letters*, **1994**, 355, 233-6	3.8	12
9	Purification of human cytidine deaminase: molecular and enzymatic characterization and inhibition by synthetic pyrimidine analogs. *Archives of Biochemistry and Biophysics*, **1991**, 290, 285-92	4.1	43
8	Cytidine deaminase: a rapid method of purification and some properties of the enzyme from human placenta. *Advances in Experimental Medicine and Biology*, **1991**, 309B, 235-8	3.6	
7	Determination of carbonyl content in oxidatively modified proteins. *Methods in Enzymology*, **1990**, 186, 464-78	1.7	4084
6	A spectrophotometric method for the assay of pyrimidine 5Snucleotidase in human erythrocytes. *British Journal of Haematology*, **1989**, 73, 392-5	4.5	7
5	Uridine phosphorylase from Escherichia coli B. Enzymatic and molecular properties. *International Journal of Biochemistry & Cell Biology*, **1986**, 18, 431-5		11
4	Cytidine deaminase from Escherichia coli B. Purification and enzymatic and molecular properties. *Biochemistry*, **1985**, 24, 6020-4	3.2	18
3	Pyrimidine nucleoside-catabolizing enzymes in Escherichia coli B. *Current Topics in Cellular Regulation*, **1985**, 26, 433-43		2

2	Potent activation of SARM1 by NMN analogue VMN underlies vacor neurotoxicity	8
1	Programmed axon death executor SARM1 is a multi-functional NAD(P)ase with prominent base exchange activity, all regulated by physiological levels of NMN, NAD, NADP and other metabolites	5