

Adolfo Amici

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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	Determination of carbonyl content in oxidatively modified proteins. <i>Methods in Enzymology</i> , 1990 , 186, 464-78	1.7	4084
72	Enzymology of NAD ⁺ homeostasis in man. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 19-34	10.3	216
71	Molecular cloning, chromosomal localization, tissue mRNA levels, bacterial expression, and enzymatic properties of human NMN adenylyltransferase. <i>Journal of Biological Chemistry</i> , 2001 , 276, 406-12	5.4	149
70	Enzymology of NAD ⁺ synthesis. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 1999 , 73, 135-82, xi		141
69	Identification of a novel human nicotinamide mononucleotide adenylyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 297, 835-40	3.4	99
68	Metabolic profiling of alternative NAD biosynthetic routes in mouse tissues. <i>PLoS ONE</i> , 2014 , 9, e113939	3.7	84
67	Assay methods for nicotinamide mononucleotide adenylyltransferase of wide applicability. <i>Analytical Biochemistry</i> , 1995 , 228, 64-8	3.1	68
66	Appetite regulation: the central role of melatonin in <i>Danio rerio</i> . <i>Hormones and Behavior</i> , 2010 , 58, 780-5	3.7	64
65	The <i>Escherichia coli</i> NadR regulator is endowed with nicotinamide mononucleotide adenylyltransferase activity. <i>Journal of Bacteriology</i> , 1999 , 181, 5509-11	3.5	59
64	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. <i>Food and Function</i> , 2018 , 9, 2145-2157	6.1	53
63	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. <i>Food and Chemical Toxicology</i> , 2018 , 120, 578-587	4.7	50
62	Structure and function of nicotinamide mononucleotide adenylyltransferase. <i>Current Medicinal Chemistry</i> , 2004 , 11, 873-85	4.3	50
61	Characterization of <i>Mycobacterium tuberculosis</i> NAD kinase: functional analysis of the full-length enzyme by site-directed mutagenesis. <i>Biochemistry</i> , 2004 , 43, 7610-7	3.2	48
60	Genetic basis of hemolytic anemia caused by pyrimidine 5Nucleotidase deficiency. <i>Blood</i> , 2001 , 97, 3327-32	3.2	48
59	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. <i>Free Radical Biology and Medicine</i> , 2018 , 126, 41-54	7.8	45
58	Identification and characterization of YLR328W, the <i>Saccharomyces cerevisiae</i> structural gene encoding NMN adenylyltransferase. Expression and characterization of the recombinant enzyme. <i>FEBS Letters</i> , 1999 , 455, 13-7	3.8	43
57	Purification of human cytidine deaminase: molecular and enzymatic characterization and inhibition by synthetic pyrimidine analogs. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 290, 285-92	4.1	43

56	Identification of nicotinamide mononucleotide deamidase of the bacterial pyridine nucleotide cycle reveals a novel broadly conserved amidohydrolase family. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40365-75	5.4	42
55	Pyrimidine nucleotidases from human erythrocyte possess phosphotransferase activities specific for pyrimidine nucleotides. <i>FEBS Letters</i> , 1997 , 419, 263-7	3.8	40
54	Characterization of nicotinamide mononucleotide adenylyltransferase from thermophilic archaea. <i>Journal of Bacteriology</i> , 1997 , 179, 7718-23	3.5	38
53	<i>Synechocystis</i> sp. slr0787 protein is a novel bifunctional enzyme endowed with both nicotinamide mononucleotide adenylyltransferase and NudixShydrolase activities. <i>FEBS Letters</i> , 1999 , 444, 222-6	3.8	36
52	Novel assay for simultaneous measurement of pyridine mononucleotides synthesizing activities allows dissection of the NAD(+) biosynthetic machinery in mammalian cells. <i>FEBS Journal</i> , 2014 , 281, 5104-19	5.7	33
51	Simultaneous single-sample determination of NMNAT isozyme activities in mouse tissues. <i>PLoS ONE</i> , 2012 , 7, e53271	3.7	32
50	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. <i>Food Chemistry</i> , 2020 , 325, 126881	8.5	29
49	Human erythrocyte pyrimidine 5S nucleotidase, PN-I. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 397, 184-90	4.1	29
48	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. <i>Journal of Functional Foods</i> , 2019 , 57, 439-452	5.1	26
47	Purification, characterization and cytotoxicity assessment of Ageritin: The first ribotoxin from the basidiomycete mushroom <i>Agrocybe aegerita</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1113-1121	4	25
46	Characterization of human nicotinate phosphoribosyltransferase: Kinetic studies, structure prediction and functional analysis by site-directed mutagenesis. <i>Biochimie</i> , 2012 , 94, 300-9	4.6	25
45	Identification and characterization of a second NMN adenylyltransferase gene in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2003 , 27, 357-64	2	25
44	Strawberry tree honey as a new potential functional food. Part 2: Strawberry tree honey increases ROS generation by suppressing Nrf2-ARE and NF- κ B signaling pathways and decreases metabolic phenotypes and metastatic activity in colon cancer cells. <i>Journal of Functional Foods</i> , 2019 , 57, 477-487	5.1	24
43	Simultaneous quantitation of nicotinamide riboside, nicotinamide mononucleotide and nicotinamide adenine dinucleotide in milk by a novel enzyme-coupled assay. <i>Food Chemistry</i> , 2017 , 221, 161-168	8.5	24
42	Human erythrocyte pyrimidine 5?-nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to Interferon. <i>Blood</i> , 2000 , 96, 1596-1598	2.2	24
41	Solution structure of the phytotoxic protein PcF: the first characterized member of the <i>Phytophthora</i> PcF toxin family. <i>Protein Science</i> , 2009 , 18, 1786-91	6.3	21
40	A possible S-glutathionylation of specific proteins by glyoxalase II: An in vitro and in silico study. <i>Cell Biochemistry and Function</i> , 2016 , 34, 620-627	4.2	21
39	Liposomal Formulations for an Efficient Encapsulation of Epigallocatechin-3-gallate: An in-Silico/Experimental Approach. <i>Molecules</i> , 2018 , 23,	4.8	20

38	One-minute high-performance liquid chromatography assay for 5S nucleotidase using a 20-mm reverse-phase column. <i>Analytical Biochemistry</i> , 1994 , 216, 171-5	3.1	18
37	Cytidine deaminase from <i>Escherichia coli</i> B. Purification and enzymatic and molecular properties. <i>Biochemistry</i> , 1985 , 24, 6020-4	3.2	18
36	A Proteomic Study on Donkey Milk. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , 2012 , 1,		18
35	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. <i>Antioxidants</i> , 2020 , 9,	7.1	16
34	Constitutive expression of ciliary neurotrophic factor in mouse hypothalamus. <i>Journal of Anatomy</i> , 2012 , 220, 622-31	2.9	15
33	Identification of the archaeal NMN adenylyltransferase gene. <i>Molecular and Cellular Biochemistry</i> , 1999 , 193, 99-102	4.2	13
32	Genome size, GC percentage and 5mC level in the Indonesian coelacanth <i>Latimeria menadoensis</i> . <i>Marine Genomics</i> , 2011 , 4, 167-72	1.9	12
31	Pyridine dinucleotide biosynthesis in archaeobacteria: presence of NMN adenylyltransferase in <i>Sulfolobus solfataricus</i> . <i>FEBS Letters</i> , 1994 , 355, 233-6	3.8	12
30	Synthesis and Degradation of Adenosine 5-Tetraphosphate by Nicotinamide and Nicotinate Phosphoribosyltransferases. <i>Cell Chemical Biology</i> , 2017 , 24, 553-564.e4	8.2	11
29	The antitumor drug, 1,3-bis(2-chloroethyl)-1-nitroso-urea, inactivates human nicotinamide mononucleotide adenylyltransferase. <i>Biochemical Pharmacology</i> , 1995 , 49, 575-9	6	11
28	Uridine phosphorylase from <i>Escherichia coli</i> B. Enzymatic and molecular properties. <i>International Journal of Biochemistry & Cell Biology</i> , 1986 , 18, 431-5		11
27	Purification of human nicotinamide-mononucleotide adenylyltransferase. <i>Methods in Enzymology</i> , 1997 , 280, 241-7	1.7	9
26	Nicotinamide-mononucleotide adenylyltransferase from <i>Sulfolobus solfataricus</i> . <i>Methods in Enzymology</i> , 2001 , 331, 281-92	1.7	8
25	Potent activation of SARM1 by NMN analogue VMN underlies vacor neurotoxicity		8
24	Nicotinamide-mononucleotide adenylyltransferase from <i>Methanococcus jannaschii</i> . <i>Methods in Enzymology</i> , 2001 , 331, 292-8	1.7	7
23	A spectrophotometric method for the assay of pyrimidine 5S nucleotidase in human erythrocytes. <i>British Journal of Haematology</i> , 1989 , 73, 392-5	4.5	7
22	Functional Characterization of COG1713 (YqeK) as a Novel Diadenosine Tetraphosphate Hydrolase Family. <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	6
21	Kinetic evidence for covalent phosphoryl-enzyme intermediate in phosphotransferase activity of human red cell pyrimidine nucleotidases. <i>Methods in Enzymology</i> , 2002 , 354, 149-59	1.7	6

20	SARM1 is a multi-functional NAD(P)ase with prominent base exchange activity, all regulated by multiple physiologically relevant NAD metabolites.. <i>IScience</i> , 2022 , 25, 103812	6.1	6
19	Neurotoxin-mediated --potent activation of the axon degeneration regulator SARM1. <i>ELife</i> , 2021 , 10,	8.9	6
18	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. <i>Food and Chemical Toxicology</i> , 2021 , 156, 112484	4.7	6
17	Nicotinamide-mononucleotide adenylyltransferases from yeast and other microorganisms. <i>Methods in Enzymology</i> , 1997 , 280, 248-55	1.7	5
16	Pyrimidine nucleotidases/phosphotransferases from human erythrocyte. <i>Nucleosides & Nucleotides</i> , 1999 , 18, 853-5		5
15	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
14	Highly stable atropisomers by electrophilic amination of a chiral lactam within the synthesis of an elusive conformationally restricted analogue of methyldomoserine. <i>Amino Acids</i> , 2016 , 48, 461-78	3.5	4
13	Evidence for essential catalytic determinants for human erythrocyte pyrimidine 5Nucleotidase. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 1613-20	10.3	4
12	Synthesis of Enantiopure Isosteres of Amino Acids Containing a Quaternary Stereocenter: Experimental and Computational Evaluation of a Novel Class of Atropisomers. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 6524-6536	3.2	4
11	Three-minute high-performance liquid chromatographic assay for NMN adenylyltransferase using a 20-mm-long reversed-phase column. <i>Biomedical Applications</i> , 1996 , 676, 13-8		3
10	The enzymology of cytosolic pyrimidine 5Nucleotidases: functional analysis and physiopathological implications. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4304-16	4.3	3
9	Modification of translation factor aIF5A from <i>Sulfolobus solfataricus</i> . <i>Extremophiles</i> , 2018 , 22, 769-780	3	2
8	Molecular Insights Into The Interaction Between Human Nicotinamide Phosphoribosyltransferase and Toll-Like Receptor 4.. <i>Journal of Biological Chemistry</i> , 2022 , 101669	5.4	2
7	Pyrimidine nucleoside-catabolizing enzymes in <i>Escherichia coli</i> B. <i>Current Topics in Cellular Regulation</i> , 1985 , 26, 433-43		2
6	Insights into the Antioxidant Mechanism of Newly Synthesized Benzoxazinic Nitrones: In Vitro and In Silico Studies with DPPH Model Radical. <i>Antioxidants</i> , 2021 , 10,	7.1	2
5	Novel nucleoside analogs tethered on (3R,4R)-4-(hydroxymethyl)pyrrolidin-3-ol. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 655-665	2	1
4	Human erythrocyte pyrimidine 5?-nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to Interferon. <i>Blood</i> , 2000 , 96, 1596-1598	2.2	1
3	Structural Basis of Human Dimeric Amine-Carboxymuconate-Semialdehyde Decarboxylase Inhibition With TES-1025.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 834700	5.6	1

- 2 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
- 1 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