

Adolfo Amici

List of Publications by Year in descending order

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75
papers

7,449
citations

159358

30
h-index

79541

73
g-index

78
all docs

78
docs citations

78
times ranked

8355
citing authors

#	ARTICLE	IF	CITATIONS
1	[49] Determination of carbonyl content in oxidatively modified proteins. <i>Methods in Enzymology</i> , 1990, 186, 464-478.	0.4	4,778
2	Enzymology of NAD ⁺ homeostasis in man. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 19-34.	2.4	259
3	Enzymology of Nad ⁺ Synthesis. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2006, 73, 135-182.	1.3	177
4	Molecular Cloning, Chromosomal Localization, Tissue mRNA Levels, Bacterial Expression, and Enzymatic Properties of Human NMN Adenylyltransferase. <i>Journal of Biological Chemistry</i> , 2001, 276, 406-412.	1.6	171
5	Metabolic Profiling of Alternative NAD Biosynthetic Routes in Mouse Tissues. <i>PLoS ONE</i> , 2014, 9, e113939.	1.1	123
6	Identification of a novel human nicotinamide mononucleotide adenylyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 835-840.	1.0	119
7	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.	1.8	81
8	Appetite regulation: The central role of melatonin in <i>Danio rerio</i> . <i>Hormones and Behavior</i> , 2010, 58, 780-785.	1.0	79
9	Assay Methods for Nicotinamide Mononucleotide Adenylyltransferase of Wide Applicability. <i>Analytical Biochemistry</i> , 1995, 228, 64-68.	1.1	78
10	The <i>Escherichia coli</i> NadR Regulator Is Endowed with Nicotinamide Mononucleotide Adenylyltransferase Activity. <i>Journal of Bacteriology</i> , 1999, 181, 5509-5511.	1.0	74
11	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.	2.1	67
12	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.	1.3	67
13	Genetic basis of hemolytic anemia caused by pyrimidine 5- ϵ nucleotidase deficiency. <i>Blood</i> , 2001, 97, 3327-3332.	0.6	59
14	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, 13-17.	1.3	54
15	Structure and Function of Nicotinamide Mononucleotide Adenylyltransferase. <i>Current Medicinal Chemistry</i> , 2004, 11, 873-885.	1.2	54
16	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, 40365-40375.	1.6	54
17	Characterization of <i>Mycobacterium tuberculosis</i> NAD Kinase: A Functional Analysis of the Full-Length Enzyme by Site-Directed Mutagenesis. <i>Biochemistry</i> , 2004, 43, 7610-7617.	1.2	53
18	SARM1 is a multi-functional NAD(P)ase with prominent base exchange activity, all regulated by multiple physiologically relevant NAD metabolites. <i>Science</i> , 2022, 25, 103812.	1.9	52

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19	Purification of human cytidine deaminase: Molecular and enzymatic characterization and inhibition by synthetic pyrimidine analogs. Archives of Biochemistry and Biophysics, 1991, 290, 285-292.	1.4	51
20	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.	4.2	51
21	Pyrimidine nucleotidases from human erythrocyte possess phosphotransferase activities specific for pyrimidine nucleotides. FEBS Letters, 1997, 419, 263-267.	1.3	49
22	Characterization of nicotinamide mononucleotide adenyltransferase from thermophilic archaea. Journal of Bacteriology, 1997, 179, 7718-7723.	1.0	45
23	Synechocystis sp. slr0787 protein is a novel bifunctional enzyme endowed with both nicotinamide mononucleotide adenyltransferase and 'Nudix' hydrolase activities. FEBS Letters, 1999, 444, 222-226.	1.3	42
24	Novel assay for simultaneous measurement of pyridine mononucleotides synthesizing activities allows dissection of the NAD ⁺ biosynthetic machinery in mammalian cells. FEBS Journal, 2014, 281, 5104-5119.	2.2	42
25	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.	4.2	38
26	Simultaneous Single-Sample Determination of NMNAT Isozyme Activities in Mouse Tissues. PLoS ONE, 2012, 7, e53271.	1.1	36
27	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.	1.1	35
28	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.	1.6	35
29	Identification and characterization of a second NMN adenyltransferase gene in Saccharomyces cerevisiae. Protein Expression and Purification, 2003, 27, 357-364.	0.6	33
30	Human Erythrocyte Pyrimidine 5 ² -nucleotidase, PN-I. Archives of Biochemistry and Biophysics, 2002, 397, 184-190.	1.4	32
31	Characterization of human nicotinate phosphoribosyltransferase: Kinetic studies, structure prediction and functional analysis by site-directed mutagenesis. Biochimie, 2012, 94, 300-309.	1.3	31
32	Solution structure of the phytotoxic protein PcF: The first characterized member of the Phytophthora PcF toxin family. Protein Science, 2009, 18, 1786-1791.	3.1	29
33	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. Antioxidants, 2020, 9, 208.	2.2	29
34	Human erythrocyte pyrimidine 5 ² -nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to \pm -interferon. Blood, 2000, 96, 1596-1598.	0.6	28
35	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. Journal of Functional Foods, 2019, 57, 477-487.	1.6	28
36	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.	1.4	26

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37	Lioposomal Formulations for an Efficient Encapsulation of Epigallocatechin-3-Gallate: An In-Silico/Experimental Approach. <i>Molecules</i> , 2018, 23, 441.	1.7	23
38	A Proteomic Study on Donkey Milk. <i>Biochemistry and Analytical Biochemistry: Current Research</i> , 2012, 1, .	0.4	23
39	Neurotoxin-mediated potent activation of the axon degeneration regulator SARM1. <i>ELife</i> , 2021, 10, .	2.8	22
40	Identification of the archaeal NMN adenylyltransferase gene. <i>Molecular and Cellular Biochemistry</i> , 1999, 193, 99-102.	1.4	20
41	Cytidine deaminase from <i>Escherichia coli</i> B. Purification and enzymic and molecular properties. <i>Biochemistry</i> , 1985, 24, 6020-6024.	1.2	19
42	One-Minute High-Performance Liquid Chromatography Assay for 5 α -Nucleotidase Using a 20-mm Reverse-Phase Column. <i>Analytical Biochemistry</i> , 1994, 216, 171-175.	1.1	18
43	Strawberry tree honey in combination with 5-fluorouracil enhances chemosensitivity in human colon adenocarcinoma cells. <i>Food and Chemical Toxicology</i> , 2021, 156, 112484.	1.8	18
44	Synthesis and Degradation of Adenosine 5 α -Tetraphosphate by Nicotinamide and Nicotinate Phosphoribosyltransferases. <i>Cell Chemical Biology</i> , 2017, 24, 553-564.e4.	2.5	17
45	Constitutive expression of ciliary neurotrophic factor in mouse hypothalamus. <i>Journal of Anatomy</i> , 2012, 220, 622-631.	0.9	16
46	Uridine phosphorylase from <i>Escherichia coli</i> B. enzymatic and molecular properties. <i>International Journal of Biochemistry & Cell Biology</i> , 1986, 18, 431-435.	0.8	15
47	Pyridine dinucleotide biosynthesis in archaeobacteria: Presence of NMN adenylyltransferase in <i>Sulfolobus solfataricus</i> . <i>FEBS Letters</i> , 1994, 355, 233-236.	1.3	15
48	Genome size, GC percentage and 5mC level in the Indonesian coelacanth <i>Latimeria menadoensis</i> . <i>Marine Genomics</i> , 2011, 4, 167-172.	0.4	13
49	The antitumor drug, 1,3-bis(2-chloroethyl)-1-nitroso-urea, inactivates human nicotinamide mononucleotide adenylyltransferase. <i>Biochemical Pharmacology</i> , 1995, 49, 575-579.	2.0	11
50	[25] Nicotinamide-mononucleotide adenylyltransferase from <i>Methanococcus jannaschii</i> . <i>Methods in Enzymology</i> , 2001, 331, 292-298.	0.4	11
51	Functional Characterization of COG1713 (YqeK) as a Novel Diadenosine Tetraphosphate Hydrolase Family. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	11
52	[24] Nicotinamide-mononucleotide adenylyltransferase from <i>Sulfolobus solfataricus</i> . <i>Methods in Enzymology</i> , 2001, 331, 281-292.	0.4	10
53	Molecular insights into the interaction between human nicotinamide phosphoribosyltransferase and Toll-like receptor 4. <i>Journal of Biological Chemistry</i> , 2022, 298, 101669.	1.6	10
54	[21] Purification of human nicotinamide-mononucleotide adenylyltransferase. <i>Methods in Enzymology</i> , 1997, 280, 241-247.	0.4	9

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55	Kinetic Evidence for Covalent Phosphoryl-Enzyme Intermediate in Phosphotransferase Activity of Human Red Cell Pyrimidine Nucleotidases. <i>Methods in Enzymology</i> , 2002, 354, 149-159.	0.4	8
56	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.	1.2	8
57	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, 1224.	2.2	8
58	A spectrophotometric method for the assay of pyrimidine 5'-nucleotidase in human erythrocytes. <i>British Journal of Haematology</i> , 1989, 73, 392-395.	1.2	7
59	[22] Nicotinamide-mononucleotide adenylyltransferases from yeast and other microorganisms. <i>Methods in Enzymology</i> , 1997, 280, 248-255.	0.4	7
60	Anti-inflammatory activities of Italian Chestnut and Eucalyptus honeys on murine RAW 264.7 macrophages. <i>Journal of Functional Foods</i> , 2021, 87, 104752.	1.6	7
61	The Enzymology of Cytosolic Pyrimidine 5â€™-Nucleotidases: Functional Analysis and Physiopathological Implications.. <i>Current Medicinal Chemistry</i> , 2013, 20, 4304-4316.	1.2	7
62	Pre-breeding Diets in the Seahorse <i>Hippocampus reidi</i> : How Do They Affect Fatty Acid Profiles, Energetic Status and Histological Features in Newborn?. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	6
63	Pyrimidine Nucleotidases/Phosphotransferases from Human Erythrocyte. <i>Nucleosides & Nucleotides</i> , 1999, 18, 853-855.	0.5	5
64	Evidence for essential catalytic determinants for human erythrocyte pyrimidine 5â€™-nucleotidase. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1613-1620.	2.4	5
65	Highly stable atropisomers by electrophilic amination of a chiral Î³-lactam within the synthesis of an elusive conformationally restricted analogue of Î±-methylhomoserine. <i>Amino Acids</i> , 2016, 48, 461-478.	1.2	5
66	Modification of translation factor aIF5A from <i>Sulfolobus solfataricus</i> . <i>Extremophiles</i> , 2018, 22, 769-780.	0.9	5
67	Three-minute high-performance liquid chromatographic assay for NMN adenylyltransferase using a 20-mm-long reversed-phase column. <i>Biomedical Applications</i> , 1996, 676, 13-18.	1.7	3
68	Characterization of Two NMN Deamidase Mutants as Possible Probes for an NMN Biosensor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6334.	1.8	3
69	Structural Basis of Human Dimeric Î±-Amino-Î²-Carboxymuconate-Î³-Semialdehyde Decarboxylase Inhibition With TES-1025. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 834700.	1.6	3
70	Pyrimidine Nucleoside-Catabolizing Enzymes in <i>Escherichia coli</i> B. <i>Current Topics in Cellular Regulation</i> , 1985, 26, 433-443.	9.6	2
71	Human erythrocyte pyrimidine 5â€™-nucleotidase, PN-I, is identical to p36, a protein associated to lupus inclusion formation in response to Î±-interferon. <i>Blood</i> , 2000, 96, 1596-1598.	0.6	2
72	Novel nucleoside analogs tethered on (3R,4R)-4-(hydroxymethyl)pyrrolidin-3-ol. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 655-665.	1.2	1

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73	Nucleotide metabolism in human erythrocytes: Purification and properties of specific pyrimidine 5'-nucleotidase. Collection of Czechoslovak Chemical Communications, 1990, 55, 153-156.	1.0	1
74	Contributors to Volume 354. Methods in Enzymology, 2002, 354, ix-xii.	0.4	0
75	Cytidine Deaminase: A Rapid Method of Purification and Some Properties of the Enzyme from Human Placenta. Advances in Experimental Medicine and Biology, 1991, 309B, 235-238.	0.8	0