

Leonardo Sorci

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,458
citations

331670

21
h-index

395702

33
g-index

36
all docs

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docs citations

36
times ranked

1975
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Molecular insights into the interaction between human nicotinamide phosphoribosyltransferase and Toll-like receptor 4. <i>Journal of Biological Chemistry</i> , 2022, 298, 101669. | 3.4 | 10 |
| 2 | Enzymology of extracellular NAD metabolism. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3317-3331. | 5.4 | 15 |
| 3 | Functional Characterization of COG1713 (YqeK) as a Novel Diadenosine Tetraphosphate Hydrolase Family. <i>Journal of Bacteriology</i> , 2020, 202, . | 2.2 | 11 |
| 4 | Inhibition of the NAD salvage pathway in schistosomes impairs metabolism, reproduction, and parasite survival. <i>PLoS Pathogens</i> , 2020, 16, e1008539. | 4.7 | 7 |
| 5 | Small extracellular vesicles deliver miR-21 and miR-217 as pro-apoptosis effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1725285. | 12.2 | 104 |
| 6 | The Prospective Synergy of Antitubercular Drugs With NAD Biosynthesis Inhibitors. <i>Frontiers in Microbiology</i> , 2020, 11, 634640. | 3.5 | 4 |
| 7 | NAD-Biosynthetic and Consuming Enzymes as Central Players of Metabolic Regulation of Innate and Adaptive Immune Responses in Cancer. <i>Frontiers in Immunology</i> , 2019, 10, 1720. | 4.8 | 52 |
| 8 | Extracellular nicotinate phosphoribosyltransferase binds Toll like receptor 4 and mediates inflammation. <i>Nature Communications</i> , 2019, 10, 4116. | 12.8 | 47 |
| 9 | Novel Antimycobacterial Compounds Suppress NAD Biogenesis by Targeting a Unique Pocket of NaMN Adenylyltransferase. <i>ACS Chemical Biology</i> , 2019, 14, 949-958. | 3.4 | 15 |
| 10 | Synthesis and Degradation of Adenosine 5'-Tetraphosphate by Nicotinamide and Nicotinate Phosphoribosyltransferases. <i>Cell Chemical Biology</i> , 2017, 24, 553-564.e4. | 5.2 | 17 |
| 11 | Biological Activities of the Essential Oil from <i>Erigeron floribundus</i> . <i>Molecules</i> , 2016, 21, 1065. | 3.8 | 23 |
| 12 | Diverse biological effects of the essential oil from Iranian <i>Trachyspermum ammi</i> . <i>Arabian Journal of Chemistry</i> , 2016, 9, 775-786. | 4.9 | 91 |
| 13 | Mexican sunflower (<i>Tithonia diversifolia</i> , Asteraceae) volatile oil as a selective inhibitor of <i>Staphylococcus aureus</i> nicotinate mononucleotide adenylyltransferase (NadD). <i>Industrial Crops and Products</i> , 2016, 85, 181-189. | 5.2 | 24 |
| 14 | Regulation of NAD biosynthetic enzymes modulates NAD-sensing processes to shape mammalian cell physiology under varying biological cues. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1138-1149. | 2.3 | 62 |
| 15 | Mycobacterial Nicotinate Mononucleotide Adenylyltransferase. <i>Journal of Biological Chemistry</i> , 2015, 290, 7693-7706. | 3.4 | 25 |
| 16 | Metabolic and Bactericidal Effects of Targeted Suppression of NadD and NadE Enzymes in Mycobacteria. <i>MBio</i> , 2014, 5, . | 4.1 | 66 |
| 17 | NAD homeostasis in the bacterial response to DNA/RNA damage. <i>DNA Repair</i> , 2014, 23, 17-26. | 2.8 | 11 |
| 18 | Characterization of bacterial NMN deamidase as a Ser/Lys hydrolase expands diversity of serine amidohydrolases. <i>FEBS Letters</i> , 2014, 588, 1016-1023. | 2.8 | 6 |

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|----|---|------|-----------|
| 19 | Quinolate Salvage and Insights for Targeting NAD Biosynthesis in Group A Streptococci. <i>Journal of Bacteriology</i> , 2013, 195, 726-732. | 2.2 | 50 |
| 20 | Genomics-Guided Analysis of NAD Recycling Yields Functional Elucidation of COG1058 as a New Family of Pyrophosphatases. <i>PLoS ONE</i> , 2013, 8, e55595. | 2.5 | 14 |
| 21 | Glutamine versus Ammonia Utilization in the NAD Synthetase Family. <i>PLoS ONE</i> , 2012, 7, e39115. | 2.5 | 36 |
| 22 | <i>S. pyogenes</i> is reliant on salvage of host pyridine precursors for NAD synthesis: implications for pathogenesis and antibacterial intervention. <i>FASEB Journal</i> , 2012, 26, 978.11. | 0.5 | 0 |
| 23 | 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. | 3.4 | 54 |
| 24 | Genomics and Enzymology of NAD Biosynthesis. , 2010, , 213-257. | | 46 |
| 25 | Genomics-driven Reconstruction of <i>Acinetobacter</i> NAD Metabolism. <i>Journal of Biological Chemistry</i> , 2010, 285, 39490-39499. | 3.4 | 36 |
| 26 | Complexes of Bacterial Nicotinate Mononucleotide Adenylyltransferase with Inhibitors: Implication for Structure-Based Drug Design and Improvement. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5229-5239. | 6.4 | 27 |
| 27 | Nicotinamide mononucleotide synthetase is the key enzyme for an alternative route of NAD biosynthesis in <i>Francisella tularensis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3083-3088. | 7.1 | 70 |
| 28 | Targeting NAD Biosynthesis in Bacterial Pathogens: Structure-Based Development of Inhibitors of Nicotinate Mononucleotide Adenylyltransferase NadD. <i>Chemistry and Biology</i> , 2009, 16, 849-861. | 6.0 | 63 |
| 29 | Bifunctional NMN Adenylyltransferase/ADP-Ribose Pyrophosphatase: Structure and Function in Bacterial NAD Metabolism. <i>Structure</i> , 2008, 16, 196-209. | 3.3 | 30 |
| 30 | Transcriptional regulation of NAD metabolism in bacteria: genomic reconstruction of NiaR (YrxA) regulon. <i>Nucleic Acids Research</i> , 2008, 36, 2032-2046. | 14.5 | 67 |
| 31 | NAD ⁺ and axon degeneration revisited: Nmnat1 cannot substitute for Wlds to delay Wallerian degeneration. <i>Cell Death and Differentiation</i> , 2007, 14, 116-127. | 11.2 | 125 |
| 32 | Initial-Rate Kinetics of Human NMN-Adenylyltransferases: Substrate and Metal Ion Specificity, Inhibition by Products and Multisubstrate Analogues, and Isozyme Contributions to NAD ⁺ Biosynthesis. <i>Biochemistry</i> , 2007, 46, 4912-4922. | 2.5 | 74 |
| 33 | SYNTHESIS AND BIOLOGICAL EVALUATION OF NAD ANALOGS AS HUMAN PYRIDINE NUCLEOTIDE ADENYLYLTRANSFERASE INHIBITORS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 477-479. | 1.1 | 4 |
| 34 | Characterization of <i>Mycobacterium tuberculosis</i> NAD Kinase: Functional Analysis of the Full-Length Enzyme by Site-Directed Mutagenesis. <i>Biochemistry</i> , 2004, 43, 7610-7617. | 2.5 | 53 |
| 35 | Identification of a novel human nicotinamide mononucleotide adenylyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 835-840. | 2.1 | 119 |