

Marie E Migaud

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

2,121
citations

19
h-index

45
g-index

78
ext. papers

2,831
ext. citations

7.5
avg, IF

4.92
L-index

#	Paper	IF	Citations
65	Nicotinamide riboside is uniquely and orally bioavailable in mice and humans. <i>Nature Communications</i> , 2016 , 7, 12948	17.4	349
64	Long-Term Administration of Nicotinamide Mononucleotide Mitigates Age-Associated Physiological Decline in Mice. <i>Cell Metabolism</i> , 2016 , 24, 795-806	24.6	335
63	Loss of NAD Homeostasis Leads to Progressive and Reversible Degeneration of Skeletal Muscle. <i>Cell Metabolism</i> , 2016 , 24, 269-82	24.6	189
62	NRK1 controls nicotinamide mononucleotide and nicotinamide riboside metabolism in mammalian cells. <i>Nature Communications</i> , 2016 , 7, 13103	17.4	177
61	Slc12a8 is a nicotinamide mononucleotide transporter. <i>Nature Metabolism</i> , 2019 , 1, 47-57	14.6	104
60	Nicotinamide adenine dinucleotide is transported into mammalian mitochondria. <i>ELife</i> , 2018 , 7,	8.9	84
59	Nicotinamide Riboside Is a Major NAD ⁺ Precursor Vitamin in Cow Milk. <i>Journal of Nutrition</i> , 2016 , 146, 957-63	4.1	71
58	Nicotinamide riboside kinases display redundancy in mediating nicotinamide mononucleotide and nicotinamide riboside metabolism in skeletal muscle cells. <i>Molecular Metabolism</i> , 2017 , 6, 819-832	8.8	63
57	Pharmacological bypass of NAD salvage pathway protects neurons from chemotherapy-induced degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10654-10659	11.5	61
56	SLC25A51 is a mammalian mitochondrial NAD transporter. <i>Nature</i> , 2020 , 588, 174-179	50.4	55
55	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. <i>Cell Metabolism</i> , 2020 , 31, 564-579.e7	24.6	54
54	Generation, Release, and Uptake of the NAD Precursor Nicotinic Acid Riboside by Human Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 27124-27137	5.4	54
53	A reduced form of nicotinamide riboside defines a new path for NAD biosynthesis and acts as an orally bioavailable NAD precursor. <i>Molecular Metabolism</i> , 2019 , 30, 192-202	8.8	43
52	Overcoming hydrolytic sensitivity and low solubility of phosphitylation reagents by combining ionic liquids with mechanochemistry. <i>Chemical Communications</i> , 2011 , 47, 5846-8	5.8	34
51	Maternal Nicotinamide Riboside Enhances Postpartum Weight Loss, Juvenile Offspring Development, and Neurogenesis of Adult Offspring. <i>Cell Reports</i> , 2019 , 26, 969-983.e4	10.6	33
50	Rapid synthesis of nucleotide pyrophosphate linkages in a ball mill. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6496-7	3.9	32
49	Metabolomics to Predict Antiviral Drug Efficacy in COVID-19. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 396-398	5.7	30

48	Potentiating the Anticancer Properties of Bisphosphonates by Nanocomplexation with the Cationic Amphipathic Peptide, RALA. <i>Molecular Pharmaceutics</i> , 2016 , 13, 1217-28	5.6	29
47	Formulation of Antimicrobial Tobramycin Loaded PLGA Nanoparticles via Complexation with AOT. <i>Journal of Functional Biomaterials</i> , 2019 , 10,	4.8	24
46	Alginate/Chitosan Particle-Based Drug Delivery Systems for Pulmonary Applications. <i>Pharmaceutics</i> , 2019 , 11,	6.4	19
45	The chemistry of the vitamin B3 metabolome. <i>Biochemical Society Transactions</i> , 2019 , 47, 131-147	5.1	18
44	Selective synthesis of chlorophosphoramidites using ionic liquids. <i>Green Chemistry</i> , 2009 , 11, 1391	10	17
43	Degradation of Extracellular NAD Intermediates in Cultures of Human HEK293 Cells. <i>Metabolites</i> , 2019 , 9,	5.6	16
42	Equilibrative Nucleoside Transporters Mediate the Import of Nicotinamide Riboside and Nicotinic Acid Riboside into Human Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	15
41	Syntheses and chemical properties of Nicotinamide riboside and its analogues and derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 401-430	2.5	14
40	1,2-Cyclic sulfite and sulfate furanoside diesters: improved syntheses and stability. <i>Tetrahedron</i> , 2009 , 65, 6341-6347	2.4	14
39	Dihydroxyacetone Exposure Alters NAD(P)H and Induces Mitochondrial Stress and Autophagy in HEK293T Cells. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1722-1731	4	12
38	Nucleoside phosphitylation using ionic liquid stabilised phosphorodiamidites and mechanochemistry. <i>Chemical Communications</i> , 2012 , 48, 11969-71	5.8	12
37	Alkyloxycarbonyl group migration in furanosides. <i>Tetrahedron</i> , 2012 , 68, 6701-6711	2.4	12
36	NAD Metabolome Analysis in Human Cells Using ^1H NMR Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	12
35	Dihydronicotinamide riboside promotes cell-specific cytotoxicity by tipping the balance between metabolic regulation and oxidative stress. <i>PLoS ONE</i> , 2020 , 15, e0242174	3.7	11
34	Exploiting the use of ionic liquids to access phosphorodiamidites. <i>RSC Advances</i> , 2012 , 2, 2988	3.7	10
33	NAD flux is maintained in aged mice despite lower tissue concentrations. <i>Cell Systems</i> , 2021 ,	10.6	10
32	Scalable syntheses of traceable ribosylated NAD precursors. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 8716-8720	3.9	9
31	Synthesis of alkylcarbonate analogs of O-acetyl-ADP-ribose. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5702-13	3.9	7

30	Temporal dynamics of base excision/single-strand break repair protein complex assembly/disassembly are modulated by the PARP/NAD/SIRT6 axis. <i>Cell Reports</i> , 2021 , 37, 109917	10.6	7
29	BST1 regulates nicotinamide riboside metabolism via its glycohydrolase and base-exchange activities. <i>Nature Communications</i> , 2021 , 12, 6767	17.4	7
28	Facile access to new C-glycosides and C-glycoside scaffolds incorporating functionalised aromatic moieties. <i>Carbohydrate Research</i> , 2015 , 402, 25-34	2.9	5
27	Stable expression and purification of a functional processed FabTfragment from a single nascent polypeptide in CHO cells expressing the mCAT-1 retroviral receptor. <i>Journal of Immunological Methods</i> , 2011 , 372, 30-41	2.5	5
26	A stereocontrolled method for the synthesis of D- and L-2-deoxy-C-nucleosides using an intramolecular Sakurai-type cyclisation reaction. <i>Chemical Communications</i> , 2010 , 46, 4538-40	5.8	5
25	Reactivity of 1,2-cyclic sulfite xylosides towards nucleophiles. <i>Tetrahedron</i> , 2009 , 65, 8858-8862	2.4	5
24	Synthesis of simple adenosine diphosphate ribose analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008 , 27, 1127-43	1.4	5
23	Solventless synthesis of acyl phosphoramidates, precursors to masked bisphosphonates. <i>Chemical Communications</i> , 2015 , 51, 11088-91	5.8	4
22	Probing myo-inositol 1-phosphate synthase with multisubstrate adducts. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 9601-19	3.9	4
21	Novel synthetic route to the C-nucleoside, 2-deoxy benzamide riboside. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 5204-7	2.9	4
20	A one pot three-step process for the synthesis of an array of arylated benzimidazoribosyl nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 2821-31	3.9	4
19	Synthesis of an analogue of the bisphosphonate drug Ibandronate for targeted drug-delivery therapeutic strategies. <i>New Journal of Chemistry</i> , 2010 , 34, 949	3.6	4
18	Investigations into the synthesis of a nucleotide dimer via mechanochemical phosphoramidite chemistry. <i>Royal Society Open Science</i> , 2021 , 8, 201703	3.3	4
17	Controlling chlorination versus cyclosulfonation of cis-diols using ionic liquid solvents. <i>New Journal of Chemistry</i> , 2012 , 36, 2316	3.6	3
16	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. <i>ACS Chemical Biology</i> , 2021 , 16, 604-614	4.9	3
15	The Biochemical Pathways of Nicotinamide-Derived Pyridones. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
14	An abundant biliary metabolite derived from dietary omega-3 polyunsaturated fatty acids regulates triglycerides. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	3
13	Enzymatic and Chemical Syntheses of Vacor Analogs of Nicotinamide Riboside, NMN and NAD. <i>Biomolecules</i> , 2021 , 11,	5.9	3

12	NAD bioavailability mediates PARG inhibition-induced replication arrest, intra S-phase checkpoint and apoptosis in glioma stem cells. <i>NAR Cancer</i> , 2021 , 3, zcab044	5.2	2
11	Author response: Nicotinamide adenine dinucleotide is transported into mammalian mitochondria 2018 ,		2
10	Applications of Mechanochemistry for the Synthesis of DNA on Ionic Liquid Supports. <i>Chemistry Methods</i> , 2021 , 1, 382-388		2
9	Nicotinamide riboside-amino acid conjugates that are stable to purine nucleoside phosphorylase. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 2877-2885	3.9	1
8	Solubility study of tobramycin in room temperature ionic liquids: an experimental and computational based study. <i>RSC Advances</i> , 2016 , 6, 107214-107218	3.7	1
7	A metabolomic endotype of bioenergetic dysfunction predicts mortality in critically ill patients with acute respiratory failure. <i>Scientific Reports</i> , 2021 , 11, 10515	4.9	1
6	Exogenous exposure to dihydroxyacetone mimics high fructose induced oxidative stress and mitochondrial dysfunction. <i>Environmental and Molecular Mutagenesis</i> , 2021 , 62, 185-202	3.2	1
5	A Method to Monitor the NAD Metabolome-From Mechanistic to Clinical Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
4	Dihydronicotinamide Riboside Is a Potent NAD Precursor Promoting a Pro-Inflammatory Phenotype in Macrophages.. <i>Frontiers in Immunology</i> , 2022 , 13, 840246	8.4	1
3	Synthesis of Mixed Dinucleotides by Mechanochemistry. <i>Molecules</i> , 2022 , 27, 3229	4.8	0
2	Nicotinamide Benzimidazolide Dinucleotides, Non-Cyclisable Analogues of NAD+. <i>Synlett</i> , 2014 , 25, 2331-2336		
1	Solvent-Assisted Mechanochemical Synthesis of a Nucleotide Dimer.. <i>Current Protocols</i> , 2022 , 2, e418		