

# Marie E Migaud

## List of Publications by Year in Descending Order

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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	Dihyronicotinamide Riboside Is a Potent NAD Precursor Promoting a Pro-Inflammatory Phenotype in Macrophages.. <i>Frontiers in Immunology</i> , <b>2022</b> , 13, 840246	8.4	1
64	Solvent-Assisted Mechanochemical Synthesis of a Nucleotide Dimer.. <i>Current Protocols</i> , <b>2022</b> , 2, e418		
63	Synthesis of Mixed Dinucleotides by Mechanochemistry. <i>Molecules</i> , <b>2022</b> , 27, 3229	4.8	0
62	NAD bioavailability mediates PARG inhibition-induced replication arrest, intra S-phase checkpoint and apoptosis in glioma stem cells. <i>NAR Cancer</i> , <b>2021</b> , 3, zcab044	5.2	2
61	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> , <b>2021</b> , 37, 109917	10.6	7
60	BST1 regulates nicotinamide riboside metabolism via its glycohydrolase and base-exchange activities. <i>Nature Communications</i> , <b>2021</b> , 12, 6767	17.4	7
59	Investigations into the synthesis of a nucleotide dimer via mechanochemical phosphoramidite chemistry. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 201703	3.3	4
58	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 604-614	4.9	3
57	Applications of Mechanochemistry for the Synthesis of DNA on Ionic Liquid Supports. <i>Chemistry Methods</i> , <b>2021</b> , 1, 382-388		2
56	A metabolomic endotype of bioenergetic dysfunction predicts mortality in critically ill patients with acute respiratory failure. <i>Scientific Reports</i> , <b>2021</b> , 11, 10515	4.9	1
55	The Biochemical Pathways of Nicotinamide-Derived Pyridones. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
54	Equilibrative Nucleoside Transporters Mediate the Import of Nicotinamide Riboside and Nicotinic Acid Riboside into Human Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	15
53	Exogenous exposure to dihydroxyacetone mimics high fructose induced oxidative stress and mitochondrial dysfunction. <i>Environmental and Molecular Mutagenesis</i> , <b>2021</b> , 62, 185-202	3.2	1
52	An abundant biliary metabolite derived from dietary omega-3 polyunsaturated fatty acids regulates triglycerides. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	3
51	Enzymatic and Chemical Syntheses of Vacor Analogs of Nicotinamide Riboside, NMN and NAD. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
50	NAD flux is maintained in aged mice despite lower tissue concentrations. <i>Cell Systems</i> , <b>2021</b> ,	10.6	10
49	A Method to Monitor the NAD Metabolome-From Mechanistic to Clinical Applications. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1

48	Nicotinamide riboside-amino acid conjugates that are stable to purine nucleoside phosphorylase. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 2877-2885	3.9	1
47	Metabolomics to Predict Antiviral Drug Efficacy in COVID-19. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2020</b> , 63, 396-398	5.7	30
46	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. <i>Cell Metabolism</i> , <b>2020</b> , 31, 564-579.e7	24.6	54
45	Dihyronicotinamide riboside promotes cell-specific cytotoxicity by tipping the balance between metabolic regulation and oxidative stress. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242174	3.7	11
44	SLC25A51 is a mammalian mitochondrial NAD transporter. <i>Nature</i> , <b>2020</b> , 588, 174-179	50.4	55
43	Scalable syntheses of traceable ribosylated NAD precursors. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 8716-8720	3.9	9
42	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> , <b>2019</b> , 30, 192-202	8.8	43
41	Maternal Nicotinamide Riboside Enhances Postpartum Weight Loss, Juvenile Offspring Development, and Neurogenesis of Adult Offspring. <i>Cell Reports</i> , <b>2019</b> , 26, 969-983.e4	10.6	33
40	Formulation of Antimicrobial Tobramycin Loaded PLGA Nanoparticles via Complexation with AOT. <i>Journal of Functional Biomaterials</i> , <b>2019</b> , 10,	4.8	24
39	Syntheses and chemical properties of Nicotinamide riboside and its analogues and derivatives. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 401-430	2.5	14
38	Alginate/Chitosan Particle-Based Drug Delivery Systems for Pulmonary Applications. <i>Pharmaceutics</i> , <b>2019</b> , 11,	6.4	19
37	Dihydroxyacetone Exposure Alters NAD(P)H and Induces Mitochondrial Stress and Autophagy in HEK293T Cells. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 1722-1731	4	12
36	Degradation of Extracellular NAD Intermediates in Cultures of Human HEK293 Cells. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	16
35	The chemistry of the vitamin B3 metabolome. <i>Biochemical Society Transactions</i> , <b>2019</b> , 47, 131-147	5.1	18
34	Slc12a8 is a nicotinamide mononucleotide transporter. <i>Nature Metabolism</i> , <b>2019</b> , 1, 47-57	14.6	104
33	Nicotinamide adenine dinucleotide is transported into mammalian mitochondria. <i>ELife</i> , <b>2018</b> , 7,	8.9	84
32	Author response: Nicotinamide adenine dinucleotide is transported into mammalian mitochondria <b>2018</b> ,		2
31	NAD Metabolome Analysis in Human Cells Using $^1\text{H}$ NMR Spectroscopy. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12

30	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> , <b>2018</b> , 115, 10654-10659	11.5	61
29	Nicotinamide riboside kinases display redundancy in mediating nicotinamide mononucleotide and nicotinamide riboside metabolism in skeletal muscle cells. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 819-832	8.8	63
28	NRK1 controls nicotinamide mononucleotide and nicotinamide riboside metabolism in mammalian cells. <i>Nature Communications</i> , <b>2016</b> , 7, 13103	17.4	177
27	Long-Term Administration of Nicotinamide Mononucleotide Mitigates Age-Associated Physiological Decline in Mice. <i>Cell Metabolism</i> , <b>2016</b> , 24, 795-806	24.6	335
26	Nicotinamide riboside is uniquely and orally bioavailable in mice and humans. <i>Nature Communications</i> , <b>2016</b> , 7, 12948	17.4	349
25	Solubility study of tobramycin in room temperature ionic liquids: an experimental and computational based study. <i>RSC Advances</i> , <b>2016</b> , 6, 107214-107218	3.7	1
24	Potentiating the Anticancer Properties of Bisphosphonates by Nanocomplexation with the Cationic Amphipathic Peptide, RALA. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 1217-28	5.6	29
23	Nicotinamide Riboside Is a Major NAD <sup>+</sup> Precursor Vitamin in Cow Milk. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 957-63	4.1	71
22	Loss of NAD Homeostasis Leads to Progressive and Reversible Degeneration of Skeletal Muscle. <i>Cell Metabolism</i> , <b>2016</b> , 24, 269-82	24.6	189
21	Facile access to new C-glycosides and C-glycoside scaffolds incorporating functionalised aromatic moieties. <i>Carbohydrate Research</i> , <b>2015</b> , 402, 25-34	2.9	5
20	Solventless synthesis of acyl phosphoramidates, precursors to masked bisphosphonates. <i>Chemical Communications</i> , <b>2015</b> , 51, 11088-91	5.8	4
19	Generation, Release, and Uptake of the NAD Precursor Nicotinic Acid Riboside by Human Cells. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 27124-27137	5.4	54
18	Nicotinamide Benzimidazole Dinucleotides, Non-Cyclisable Analogues of NAD <sup>+</sup> . <i>Synlett</i> , <b>2014</b> , 25, 2331-2336		
17	Synthesis of alkylcarbonate analogs of O-acetyl-ADP-ribose. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 5702-13	3.9	7
16	Nucleoside phosphitylation using ionic liquid stabilised phosphorodiamidites and mechanochemistry. <i>Chemical Communications</i> , <b>2012</b> , 48, 11969-71	5.8	12
15	Probing myo-inositol 1-phosphate synthase with multisubstrate adducts. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 9601-19	3.9	4
14	Alkyloxycarbonyl group migration in furanosides. <i>Tetrahedron</i> , <b>2012</b> , 68, 6701-6711	2.4	12
13	Novel synthetic route to the C-nucleoside, 2-deoxy benzamide riboside. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 5204-7	2.9	4

12	Controlling chlorination versus cyclosulfonation of cis-diols using ionic liquid solvents. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2316	3.6	3
11	Exploiting the use of ionic liquids to access phosphorodiamidites. <i>RSC Advances</i> , <b>2012</b> , 2, 2988	3.7	10
10	A one pot three-step process for the synthesis of an array of arylated benzimidazoribosyl nucleosides. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 2821-31	3.9	4
9	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> , <b>2011</b> , 372, 30-41	2.5	5
8	Rapid synthesis of nucleotide pyrophosphate linkages in a ball mill. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 6496-7	3.9	32
7	Overcoming hydrolytic sensitivity and low solubility of phosphorylation reagents by combining ionic liquids with mechanochemistry. <i>Chemical Communications</i> , <b>2011</b> , 47, 5846-8	5.8	34
6	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> , <b>2010</b> , 46, 4538-40	5.8	5
5	Synthesis of an analogue of the bisphosphonate drug Ibandronate for targeted drug-delivery therapeutic strategies. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 949	3.6	4
4	1,2-Cyclic sulfite and sulfate furanoside diesters: improved syntheses and stability. <i>Tetrahedron</i> , <b>2009</b> , 65, 6341-6347	2.4	14
3	Reactivity of 1,2-cyclic sulfite xylosides towards nucleophiles. <i>Tetrahedron</i> , <b>2009</b> , 65, 8858-8862	2.4	5
2	Selective synthesis of chlorophosphoramidites using ionic liquids. <i>Green Chemistry</i> , <b>2009</b> , 11, 1391	10	17
1	Synthesis of simple adenosine diphosphate ribose analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2008</b> , 27, 1127-43	1.4	5