

Daniel Monleon

List of Publications by Year in descending order

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115
papers

3,488
citations

126708

33
h-index

149479

56
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116
all docs

116
docs citations

116
times ranked

6229
citing authors

#	ARTICLE	IF	CITATIONS
1	Rodent models and metabolomics in non-alcoholic fatty liver disease: What can we learn?. <i>World Journal of Hepatology</i> , 2022, 14, 304-318.	0.8	3
2	Liver and White/Brown Fat Dystrophy Associates with Gut Microbiota and Metabolomic Alterations in 3xTg Alzheimer's Disease Mouse Model. <i>Metabolites</i> , 2022, 12, 278.	1.3	0
3	Gene-environment interaction analysis of redox-related metals and genetic variants with plasma metabolic patterns in a general population from Spain: The Hortega Study. <i>Redox Biology</i> , 2022, 52, 102314.	3.9	9
4	Sex Dimorphism in the Metabolome of Metabolic Syndrome in Morbidly Obese Individuals. <i>Metabolites</i> , 2022, 12, 419.	1.3	3
5	Analysis of LDL and HDL size and number by nuclear magnetic resonance in a healthy working population: The LipoLab Study. <i>International Journal of Clinical Practice</i> , 2021, 75, e13610.	0.8	8
6	Moderate Red Wine Consumption Increases the Expression of Longevity-Associated Genes in Controlled Human Populations and Extends Lifespan in <i>Drosophila melanogaster</i> . <i>Antioxidants</i> , 2021, 10, 301.	2.2	13
7	Bacterial metabolites trimethylamine N-oxide and butyrate as surrogates of small intestinal bacterial overgrowth in patients with a recent decompensated heart failure. <i>Scientific Reports</i> , 2021, 11, 6110.	1.6	11
8	Dental stem cell signaling pathway activation in response to hydraulic calcium silicate-based endodontic cements: A systematic review of in vitro studies. <i>Dental Materials</i> , 2021, 37, e256-e268.	1.6	16
9	The Status of EGFR Modulates the Effect of miRNA-200c on ZEB1 Expression and Cell Migration in Glioblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 368.	1.8	5
10	Lifelong soya consumption in males does not increase lifespan but increases health span under a metabolic stress such as type 2 diabetes mellitus. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111596.	2.2	3
11	Whole-exome sequencing, amplification and infiltration patterns in human glioblastoma. <i>American Journal of Cancer Research</i> , 2021, 11, 5543-5558.	1.4	0
12	Somatic copy number alterations are associated with EGFR amplification and shortened survival in patients with primary glioblastoma. <i>Neoplasia</i> , 2020, 22, 10-21.	2.3	28
13	Two-Week Aflibercept or Erlotinib Administration Does Not Induce Changes in Intestinal Morphology in Male Sprague-Dawley Rats But Aflibercept Affects Serum and Urine Metabolic Profiles. <i>Translational Oncology</i> , 2019, 12, 1122-1130.	1.7	3
14	Sex Differences in Age-Associated Type 2 Diabetes in Rats' Role of Estrogens and Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	50
15	Magnetic resonance microscopy and correlative histopathology of the infarcted heart. <i>Scientific Reports</i> , 2019, 9, 20017.	1.6	4
16	Diastolic left ventricular function in relation to circulating metabolic biomarkers in a population study. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 22-32.	0.8	23
17	Hydrogen- and Methane-Based Breath Testing and Outcomes in Patients With Heart Failure. <i>Journal of Cardiac Failure</i> , 2019, 25, 319-327.	0.7	14
18	LDL particle size and composition and incident cardiovascular disease in a South-European population: The Hortega-Liposcale Follow-up Study. <i>International Journal of Cardiology</i> , 2018, 264, 172-178.	0.8	52

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19	Microbiome-metabolome signatures in mice genetically prone to develop dementia, fed a normal or fatty diet. <i>Scientific Reports</i> , 2018, 8, 4907.	1.6	83
20	A4983 LIVER METABOLIC PROFILE AND HISTOLOGICAL QUANTIFICATION OF FAT IN RATS FED WITH A HIGH FRUCTOSE DIET. <i>Journal of Hypertension</i> , 2018, 36, e22.	0.3	0
21	MICROBIOTA CO-METABOLISM MODULATION AND EARLY DEVELOPMENT OF CARDIOMETABOLIC DISEASE ON HOST ORGANISM ANALYZED BASED ON METABOLOMICS AND PYROSEQUENCING. <i>Journal of Hypertension</i> , 2018, 36, e240.	0.3	0
22	ALTERATIONS IN METABOLIC PROFILE AND LIVER HISTOLOGY OF LEAN RATS UNDER HIGH FRUCTOSE DIET. <i>Journal of Hypertension</i> , 2018, 36, e211.	0.3	0
23	A0203 Left Ventricular Function in Relation to Circulating Metabolic Biomarkers. <i>Journal of Hypertension</i> , 2018, 36, e3.	0.3	0
24	Human Breast Milk NMR Metabolomic Profile across Specific Geographical Locations and Its Association with the Milk Microbiota. <i>Nutrients</i> , 2018, 10, 1355.	1.7	74
25	Branched-Chain Amino Acids as Critical Switches in Health and Disease. <i>Hypertension</i> , 2018, 72, 1012-1022.	1.3	63
26	A4512 Subclinical metabolic alterations in rats fed with high-fructose diet are sexually dimorphic. <i>Journal of Hypertension</i> , 2018, 36, e21-e22.	0.3	0
27	Using NMR in saliva to identify possible biomarkers of glioblastoma and chronic periodontitis. <i>PLoS ONE</i> , 2018, 13, e0188710.	1.1	30
28	Validation of a plasma metabolomics model that allows anticipation of the occurrence of cytomegalovirus DNAemia in allogeneic stem cell transplant recipients. <i>Journal of Medical Microbiology</i> , 2018, 67, 814-819.	0.7	2
29	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. <i>Gut</i> , 2017, 66, 620-632.	6.1	125
30	[OP.3C.05] LDL-PARTICLES COMPOSITION AND INCIDENT CARDIOVASCULAR DISEASE IN A SOUTH-EUROPEAN POPULATION. <i>Journal of Hypertension</i> , 2017, 35, e31.	0.3	0
31	Association between epidermal growth factor receptor amplification and ADP-ribosylation factor 1 methylation in human glioblastoma. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 389-399.	2.1	9
32	Chemotherapy-induced gastrointestinal toxicity is associated with changes in serum and urine metabolome and fecal microbiota in male Sprague-Dawley rats. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 317-332.	1.1	49
33	Development and characterization of an experimental model of diet-induced metabolic syndrome in rabbit. <i>PLoS ONE</i> , 2017, 12, e0178315.	1.1	26
34	Peripheral blood mitochondrial DNA content in relation to circulating metabolites and inflammatory markers: A population study. <i>PLoS ONE</i> , 2017, 12, e0181036.	1.1	24
35	Diastolic Left Ventricular Function in Relation to Circulating Metabolic Biomarkers in a General Population. <i>Journal of the American Heart Association</i> , 2016, 5, e002681.	1.6	16
36	[OP.7B.03] BLOOD PRESSURE AND OBESITY METABOLOMIC STRATIFIED ANALYSIS OF A SPANISH GENERAL POPULATION. <i>Journal of Hypertension</i> , 2016, 34, e86.	0.3	0

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37	[PP.07.11] SUBCLINICAL FRUCTOSE-INDUCED METABOLIC SYNDROME ASSOCIATED TO HOST-MICROBIOTA CO-METABOLISM IN RATS. <i>Journal of Hypertension</i> , 2016, 34, e156.	0.3	0
38	A Multidisciplinary Assessment of Remote Myocardial Fibrosis After Reperfused Myocardial Infarction in Swine and Patients. <i>Journal of Cardiovascular Translational Research</i> , 2016, 9, 321-333.	1.1	9
39	Genomic and Metabolomic Profile Associated to Clustering of Cardio-Metabolic Risk Factors. <i>PLoS ONE</i> , 2016, 11, e0160656.	1.1	10
40	PP.28.24. <i>Journal of Hypertension</i> , 2015, 33, e380.	0.3	0
41	Roflumilast Prevents the Metabolic Effects of Bleomycin-Induced Fibrosis in a Murine Model. <i>PLoS ONE</i> , 2015, 10, e0133453.	1.1	14
42	6C.04. <i>Journal of Hypertension</i> , 2015, 33, e80.	0.3	1
43	PETra: software tool for a semiautomatic positron emission tomography image analysis and its application to the study of brain glucose consumption in rats. <i>IEEE Latin America Transactions</i> , 2015, 13, 876-884.	1.2	0
44	Magnetic resonance microimaging of a swine infarcted heart: Performing cardiac virtual histologies. , 2015, 2015, 1584-7.		1
45	1.1 DIASTOLIC LEFT VENTRICULAR FUNCTION IN RELATION TO CIRCULATING METABOLIC BIOMARKERS IN A GENERAL POPULATION. <i>Artery Research</i> , 2015, 12, 39.	0.3	0
46	Combining -omics in the search for mechanisms in complex trait diseases. <i>Journal of Hypertension</i> , 2015, 33, 698-699.	0.3	3
47	Metabolomics of the aqueous humor in the rat glaucoma model induced by a series of intracameral sodium hyaluronate injection. <i>Experimental Eye Research</i> , 2015, 131, 84-92.	1.2	47
48	Plasma metabolomics profiling for the prediction of cytomegalovirus DNAemia and analysis of virus-host interaction in allogeneic stem cell transplant recipients. <i>Journal of General Virology</i> , 2015, 96, 3373-3381.	1.3	6
49	Prognosis Biomarkers of Severe Sepsis and Septic Shock by 1H NMR Urine Metabolomics in the Intensive Care Unit. <i>PLoS ONE</i> , 2015, 10, e0140993.	1.1	59
50	A metabolomic approach to dry eye disorders. The role of oral supplements with antioxidants and omega 3 fatty acids. <i>Molecular Vision</i> , 2015, 21, 555-67.	1.1	32
51	Correlation between EGFR Amplification and the Expression of MicroRNA-200c in Primary Glioblastoma Multiforme. <i>PLoS ONE</i> , 2014, 9, e102927.	1.1	13
52	Differential Effects of Dry Eye Disorders on Metabolomic Profile by ¹ H Nuclear Magnetic Resonance Spectroscopy. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	37
53	Metabolomic analysis of long-term spontaneous exercise in mice suggests increased lipolysis and altered glucose metabolism when animals are at rest. <i>Journal of Applied Physiology</i> , 2014, 117, 1110-1119.	1.2	35
54	151 Impact of EGFR amplification pattern on the expression of miRNA-200c in primary glioblastoma multiforme. <i>European Journal of Cancer</i> , 2014, 50, 51-52.	1.3	0

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55	Neurodegenerative changes are prevented by Erythropoietin in the pmn model of motoneuron degeneration. <i>Neuropharmacology</i> , 2014, 83, 137-153.	2.0	2
56	Early, But Not Late Onset Estrogen Replacement Therapy Prevents Oxidative Stress and Metabolic Alterations Caused by Ovariectomy. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 236-246.	2.5	55
57	Genomic and Metabolomic Profile Associated to Microalbuminuria. <i>PLoS ONE</i> , 2014, 9, e98227.	1.1	18
58	Accurate classification of childhood brain tumours by in vivo 1H MRS – A multi-centre study. <i>European Journal of Cancer</i> , 2013, 49, 658-667.	1.3	70
59	Metabolomics in the Diagnosis of Acute Myocardial Ischemia. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 808-815.	1.1	27
60	Microvascular obstruction in the right ventricle in reperfused anterior myocardial infarction. Macroscopic and pathologic evidence in a swine model. <i>Thrombosis Research</i> , 2013, 132, 592-598.	0.8	9
61	Microvascular obstruction in the right ventricle in reperfused anterior myocardial infarction: macroscopic and pathologic evidence in a swine model. <i>European Heart Journal</i> , 2013, 34, P5540-P5540.	1.0	0
62	Gene Expression Profiles of Metabolic Aggressiveness and Tumor Recurrence in Benign Meningioma. <i>PLoS ONE</i> , 2013, 8, e67291.	1.1	28
63	Metabolomic profiling in blood from umbilical cords of low birth weight newborns. <i>Journal of Translational Medicine</i> , 2012, 10, 142.	1.8	75
64	Meningioma Tumors: Detection of Subgroups. , 2012, , 101-110.		0
65	Metabolomic Profile of Human Myocardial Ischemia by Nuclear Magnetic Resonance Spectroscopy of Peripheral Blood Serum. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1629-1641.	1.2	84
66	Metabolic profile of chronic liver disease by NMR spectroscopy of human biopsies. <i>International Journal of Molecular Medicine</i> , 2011, 27, 111-7.	1.8	31
67	Magnetic Resonance Microscopy at 14 Tesla and Correlative Histopathology of Human Brain Tumor Tissue. <i>PLoS ONE</i> , 2011, 6, e27442.	1.1	10
68	Metabolomics of the effect of AMPK activation by AICAR on human umbilical vein endothelial cells. <i>International Journal of Molecular Medicine</i> , 2011, 29, 88-94.	1.8	10
69	Analysis of Metabolic and Gene Expression Changes after Hydrodynamic DNA Injection into Mouse Liver. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 167-172.	0.6	7
70	Incremental Gaussian Discriminant Analysis based on Graybill and Deal weighted combination of estimators for brain tumour diagnosis. <i>Journal of Biomedical Informatics</i> , 2011, 44, 677-687.	2.5	14
71	Compatibility between 3T 1H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 35-42.	1.1	18
72	RasGrf1 deficiency delays aging in mice. <i>Aging</i> , 2011, 3, 262-276.	1.4	59

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73	Comparative metabolic profiling of paediatric ependymoma, medulloblastoma and pilocytic astrocytoma. <i>International Journal of Molecular Medicine</i> , 2010, 26, 941-8.	1.8	33
74	Inhibition of mitochondrial function by efavirenz increases lipid content in hepatic cells. <i>Hepatology</i> , 2010, 52, 115-125.	3.6	128
75	Metabolic Aggressiveness in Benign Meningiomas with Chromosomal Instabilities. <i>Cancer Research</i> , 2010, 70, 8426-8434.	0.4	35
76	New pattern of EGFR amplification in glioblastoma and the relationship of gene copy number with gene expression profile. <i>Modern Pathology</i> , 2010, 23, 856-865.	2.9	88
77	Triple-negative breast cancer: Present challenges and new perspectives. <i>Molecular Oncology</i> , 2010, 4, 209-229.	2.1	252
78	Determination of metabolite concentrations in human brain tumour biopsy samples using HR-MAS and ERETIC measurements. <i>NMR in Biomedicine</i> , 2009, 22, 199-206.	1.6	47
79	Metabolite profiling of fecal water extracts from human colorectal cancer. <i>NMR in Biomedicine</i> , 2009, 22, 342-348.	1.6	179
80	Multiproject multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 5-18.	1.1	126
81	Metastasizing anaplastic ependymoma in an adult. Chromosomal imbalances, metabolic and gene expression profiles. <i>Histopathology</i> , 2009, 54, 500-504.	1.6	16
82	Combining HR-MAS and In Vivo MRI and MRSI Information for Robust Brain Tumor Recognition. <i>IFMBE Proceedings</i> , 2009, , 340-343.	0.2	0
83	Assessing model accuracy using the homology modeling automatically software. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 105-118.	1.5	42
84	Efavirenz induces alterations in lipid metabolism through AMPK activation. <i>Journal of the International AIDS Society</i> , 2008, 11, P120.	1.2	0
85	Benign and Atypical Meningioma Metabolic Signatures by High-Resolution Magic-Angle Spinning Molecular Profiling. <i>Journal of Proteome Research</i> , 2008, 7, 2882-2888.	1.8	59
86	Quantification and classification of high-resolution magic angle spinning data for brain tumor diagnosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5407-10.	0.5	14
87	NMR structure of hypothetical protein TA0938 from <i>Thermoplasma acidophilum</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 1185-1188.	1.5	0
88	SPINS: A laboratory information management system for organizing and archiving intermediate and final results from NMR protein structure determinations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 62, 843-851.	1.5	11
89	Structural insights into the GTPase domain of <i>Escherichia coli</i> MnmE protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 66, 726-739.	1.5	6
90	Resonance Assignments for the Hypothetical Protein TA0938 from <i>Thermoplasma Acidophilum</i> . <i>Journal of Biomolecular NMR</i> , 2006, 36, 36-36.	1.6	1

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91	Metabolite identification in human liver needle biopsies by high-resolution magic angle spinning ¹ H NMR spectroscopy. <i>NMR in Biomedicine</i> , 2006, 19, 90-100.	1.6	83
92	MRS as Endogenous Molecular Imaging for Brain and Prostate Tumors: FP6 Project "TUMOR". <i>Advances in Experimental Medicine and Biology</i> , 2006, 587, 285-302.	0.8	20
93	Conformation and concerted dynamics of the integrin-binding site and the C-terminal region of echistatin revealed by homonuclear NMR. <i>Biochemical Journal</i> , 2005, 387, 57-66.	1.7	44
94	cDNA Cloning and Functional Expression of Jerdostatin, a Novel RTS-disintegrin from <i>Trimeresurus jerdonii</i> and a Specific Antagonist of the $\alpha_1\beta_1$ Integrin. <i>Journal of Biological Chemistry</i> , 2005, 280, 40714-40722.	1.6	41
95	Snake venom disintegrins: evolution of structure and function. <i>Toxicon</i> , 2005, 45, 1063-1074.	0.8	246
96	Letter to the Editor: Backbone ¹ H, ¹⁵ N and ¹³ C assignments for the 21 kDa <i>Caenorhabditis elegans</i> homologue of 'brain-specific' protein. <i>Journal of Biomolecular NMR</i> , 2004, 28, 91-92.	1.6	7
97	Letter to the Editor: Solution structure of hypothetical protein TA1414 from <i>Thermoplasma acidophilum</i> . <i>Journal of Biomolecular NMR</i> , 2004, 28, 81-84.	1.6	1
98	Letter to the Editor: Backbone ¹ H, ¹³ C and ¹⁵ N Resonance Assignments for the 18.7 kDa GTPase Domain of <i>Escherichia Coli</i> MnmE Protein. <i>Journal of Biomolecular NMR</i> , 2004, 28, 307-308.	1.6	3
99	NMR and homology modeling studies of copper(II)-halocyanin from <i>Natronobacterium pharaonis</i> bacteria. <i>Inorganica Chimica Acta</i> , 2004, 357, 1111-1118.	1.2	1
100	Study of electrostatic potential surface distribution of wild-type plastocyanin <i>Synechocystis</i> solution structure determined by homonuclear NMR. <i>Biopolymers</i> , 2003, 70, 212-220.	1.2	5
101	Amino acid sequence and homology modeling of obtustatin, a novel non-RGD-containing short disintegrin isolated from the venom of <i>Vipera lebetina obtusa</i> . <i>Protein Science</i> , 2003, 12, 366-371.	3.1	46
102	NMR Solution Structure of the Non-RGD Disintegrin Obtustatin. <i>Journal of Molecular Biology</i> , 2003, 329, 135-145.	2.0	48
103	NMR study of hexanucleotide d(CCGCGG) ₂ containing two triplet repeats of fragile X syndrome. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 81-90.	1.0	5
104	Concerted Motions of the Integrin-binding Loop and the C-terminal Tail of the Non-RGD Disintegrin Obtustatin. <i>Journal of Biological Chemistry</i> , 2003, 278, 45570-45576.	1.6	32
105	Structural Proteomics of Eukaryotic Gene Families. <i>Scientific World Journal</i> , The, 2002, 2, 32-32.	0.8	0
106	Rapid analysis of protein backbone resonance assignments using cryogenic probes, a distributed Linux-based computing architecture, and an integrated set of spectral analysis tools. <i>Journal of Structural and Functional Genomics</i> , 2002, 2, 93-101.	1.2	38
107	Solution NMR structure and folding dynamics of the N terminus of a rat non-muscle α -tropomyosin in an engineered chimeric protein 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 312, 833-847.	2.0	65
108	Automatic Determination of Protein Backbone Resonance Assignments from Triple Resonance Nuclear Magnetic Resonance Data. <i>Methods in Enzymology</i> , 2001, 339, 91-108.	0.4	154

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109	HYPER: a hierarchical algorithm for automatic determination of protein dihedral-angle constraints and stereospecific C beta H2 resonance assignments from NMR data. Journal of Biomolecular NMR, 1999, 15, 251-264.	1.6	14
110	A thermodynamic, electrochemical and molecular dynamics study on NAD and NADP recognition by 1,4,7,10,13,16,19-heptaazacycloheptacosane ([21]aneN7). Journal of the Chemical Society Perkin Transactions II, 1999, , 23-32.	0.9	19
111	Homology predicted structure and comparison with the secondary structure from NMR data for plastocyanin for the cyanobacterium Synechocystis sp. PCC 6803. Inorganica Chimica Acta, 1998, 275-276, 73-89.	1.2	6
112	Homology modeling using simulated annealing of restrained molecular dynamics and conformational search calculations with CONGEN: Application in predicting the three-dimensional structure of murine homeodomain Msx1. Protein Science, 1997, 6, 956-970.	3.1	42
113	Primary Glioblastoma with Different Patterns of EGFR Amplification and the Relationship with Gene Expression Profile. , 0, , .		1
114	Cellusim: Un simulador 3D en entorno videojuego para la docencia del laboratorio de cultivos celulares. , 0, , .		0
115	La motivación de las tareas digitales mediante "pseudo-Apps" en Biología Celular del grado de Medicina. , 0, , .		0