Daniel Monleon

List of Publications by Year
in descending order

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115 papers	3,488 citations	126907 33 h-index	149698 56 g-index
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?. World Journal of Hepatology, 2022, 14, 304-318.	2.0	3
2	Liver and White/Brown Fat Dystrophy Associates with Gut Microbiota and Metabolomic Alterations in 3xTg Alzheimerâ€™s Disease Mouse Model. Metabolites, 2022, 12, 278.	2.9	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. Redox Biology, 2022, 52, 102314.	9.0	9
4	Sex Dimorphism in the Metabolome of Metabolic Syndrome in Morbidly Obese Individuals. Metabolites, 2022, 12, 419.	2.9	3
5	Analysis of LDL and HDL size and number by nuclear magnetic resonance in a healthy working population: The LipoLab Study. International Journal of Clinical Practice, 2021, 75, e13610.	1.7	8
6	Moderate Red Wine Consumption Increases the Expression of Longevity-Associated Genes in Controlled Human Populations and Extends Lifespan in Drosophila melanogaster. Antioxidants, 2021, 10, 301.	5.1	13
7	Bacterial metabolites trimethylamine N-oxide and butyrate as surrogates of small intestinal bacterial overgrowth in patients with a recent decompensated heart failure. Scientific Reports, 2021, 11, 6110.	3.3	11
8	Dental stem cell signaling pathway activation in response to hydraulic calcium silicate-based endodontic cements: A systematic review of in vitro studies. Dental Materials, 2021, 37, e256-e268.	3.5	16
9	The Status of EGFR Modulates the Effect of miRNA-200c on ZEB1 Expression and Cell Migration in Glioblastoma Cells. International Journal of Molecular Sciences, 2021, 22, 368.	4.1	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. Mechanisms of Ageing and Development, 2021, 200, 111596.	4.6	3
11	Whole-exome sequencing, amplification and infiltration patterns in human glioblastoma. American Journal of Cancer Research, 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. Neoplasia, 2020, 22, 10-21.	5.3	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. Translational Oncology, 2019, 12, 1122-1130.	3.7	3
14	Sex Differences in Age-Associated Type 2 Diabetes in Ratsâ€”Role of Estrogens and Oxidative Stress. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	4.0	50
15	Magnetic resonance microscopy and correlative histopathology of the infarcted heart. Scientific Reports, 2019, 9, 20017.	3.3	4
16	Diastolic left ventricular function in relation to circulating metabolic biomarkers in a population study. European Journal of Preventive Cardiology, 2019, 26, 22-32.	1.8	23
17	Hydrogen- and Methane-Based Breath Testing and Outcomes in Patients With Heart Failure. Journal of Cardiac Failure, 2019, 25, 319-327.	1.7	14
18	LDL particle size and composition and incident cardiovascular disease in a South-European population: The Hortega-Liposcale Follow-up Study. International Journal of Cardiology, 2018, 264, 172-178.	1.7	52

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19	Microbiome-metabolome signatures in mice genetically prone to develop dementia, fed a normal or fatty diet. Scientific Reports, 2018, 8, 4907.	3.3	83
20	A4983 LIVER METABOLIC PROFILE AND HISTOLOGICAL QUANTIFICATION OF FAT IN RATS FED WITH A HIGH â€“ FRUCTOSE DIET. Journal of Hypertension, 2018, 36, e22.	0.5	0
21	MICROBIOTA CO-METABOLISM MODULATION AND EARLY DEVELOPMENT OF CARDIOMETABOLIC DISEASE ON HOST ORGANISM ANALYZED BASED ON METABOLOMICS AND PYROSEQUENCING. Journal of Hypertension, 2018, 36, e240.	0.5	0
22	ALTERATIONS IN METABOLIC PROFILE AND LIVER HISTOLOGY OF LEAN RATS UNDER HIGH FRUCTOSE DIET. Journal of Hypertension, 2018, 36, e211.	0.5	0
23	A0203 Left Ventricular Function in Relation to Circulating Metabolic Biomarkers. Journal of Hypertension, 2018, 36, e3.	0.5	0
24	Human Breast Milk NMR Metabolomic Profile across Specific Geographical Locations and Its Association with the Milk Microbiota. Nutrients, 2018, 10, 1355.	4.1	74
25	Branched-Chain Amino Acids as Critical Switches in Health and Disease. Hypertension, 2018, 72, 1012-1022.	2.7	63
26	A4512 Subclinical metabolic alterations in rats fed with high-fructose diet are sexually dimorphic. Journal of Hypertension, 2018, 36, e21-e22.	0.5	0
27	Using NMR in saliva to identify possible biomarkers of glioblastoma and chronic periodontitis. PLoS ONE, 2018, 13, e0188710.	2.5	30
28	Validation of a plasma metabolomics model that allows anticipation of the occurrence of cytomegalovirus DNAaemia in allogeneic stem cell transplant recipients. Journal of Medical Microbiology, 2018, 67, 814-819.	1.8	2
29	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. Gut, 2017, 66, 620-632.	12.1	125
30	[OP.3C.05] LDL-PARTICLES COMPOSITION AND INCIDENT CARDIOVASCULAR DISEASE IN A SOUTH-EUROPEAN POPULATION. Journal of Hypertension, 2017, 35, e31.	0.5	0
31	Association between epidermal growth factor receptor amplification and ADP-ribosylation factor 1 methylation in human glioblastoma. Cellular Oncology (Dordrecht), 2017, 40, 389-399.	4.4	9
32	Chemotherapy-induced gastrointestinal toxicity is associated with changes in serum and urine metabolome and fecal microbiota in male Sprague–Dawley rats. Cancer Chemotherapy and Pharmacology, 2017, 80, 317-332.	2.3	49
33	Development and characterization of an experimental model of diet-induced metabolic syndrome in rabbit. PLoS ONE, 2017, 12, e0178315.	2.5	26
34	Peripheral blood mitochondrial DNA content in relation to circulating metabolites and inflammatory markers: A population study. PLoS ONE, 2017, 12, e0181036.	2.5	24
35	Diastolic Left Ventricular Function in Relation to Circulating Metabolic Biomarkers in a General Population. Journal of the American Heart Association, 2016, 5, e002681.	3.7	16
36	[OP.7B.03] BLOOD PRESSURE AND OBESITY METABOLOMIC STRATIFIED ANALYSIS OF A SPANISH GENERAL POPULATION. Journal of Hypertension, 2016, 34, e86.	0.5	0

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37	[PP.07.11] SUBCLINICAL FRUCTOSE-INDUCED METABOLIC SYNDROME ASSOCIATED TO HOST-MICROBIOTA CO-METABOLISM IN RATS. Journal of Hypertension, 2016, 34, e156.	0.5	0
38	A Multidisciplinary Assessment of Remote Myocardial Fibrosis After Reperfused Myocardial Infarction in Swine and Patients. Journal of Cardiovascular Translational Research, 2016, 9, 321-333.	2.4	9
39	Genomic and Metabolomic Profile Associated to Clustering of Cardio-Metabolic Risk Factors. PLoS ONE, 2016, 11, e0160656.	2.5	10
40	PP.28.24. Journal of Hypertension, 2015, 33, e380.	0.5	0
41	Roflumilast Prevents the Metabolic Effects of Bleomycin-Induced Fibrosis in a Murine Model. PLoS ONE, 2015, 10, e0133453.	2.5	14
42	6C.04. Journal of Hypertension, 2015, 33, e80.	0.5	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. IEEE Latin America Transactions, 2015, 13, 876-884.	1.6	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. Artery Research, 2015, 12, 39.	0.6	0
46	Combining -omics in the search for mechanisms in complex trait diseases. Journal of Hypertension, 2015, 33, 698-699.	0.5	3
47	Metabolomics of the aqueous humor in the rat glaucoma model induced by a series of intracamerular sodium hyaluronate injection. Experimental Eye Research, 2015, 131, 84-92.	2.6	47
48	Plasma metabolomics profiling for the prediction of cytomegalovirus DNAemia and analysis of virusâ€“host interaction in allogeneic stem cell transplant recipients. Journal of General Virology, 2015, 96, 3373-3381.	2.9	6
49	Prognosis Biomarkers of Severe Sepsis and Septic Shock by 1H NMR Urine Metabolomics in the Intensive Care Unit. PLoS ONE, 2015, 10, e0140993.	2.5	59
50	A metabolomic approach to dry eye disorders. The role of oral supplements with antioxidants and omega 3 fatty acids. Molecular Vision, 2015, 21, 555-67.	1.1	32
51	Correlation between EGFR Amplification and the Expression of MicroRNA-200c in Primary Glioblastoma Multiforme. PLoS ONE, 2014, 9, e102927.	2.5	13
52	Differential Effects of Dry Eye Disorders on Metabolomic Profile by¹H Nuclear Magnetic Resonance Spectroscopy. BioMed Research International, 2014, 2014, 1-7.	1.9	37
53	Metabolomic analysis of long-term spontaneous exercise in mice suggests increased lipolysis and altered glucose metabolism when animals are at rest. Journal of Applied Physiology, 2014, 117, 1110-1119.	2.5	35
54	151 Impact of EGFR amplification pattern on the expression of miRNA-200c in primary glioblastoma multiforme. European Journal of Cancer, 2014, 50, 51-52.	2.8	0

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55	Neurodegenerative changes are prevented by Erythropoietin in the pmn model of motoneuron degeneration. Neuropharmacology, 2014, 83, 137-153.	4.1	2
56	Early, But Not Late Onset Estrogen Replacement Therapy Prevents Oxidative Stress and Metabolic Alterations Caused by Ovariectomy. Antioxidants and Redox Signaling, 2014, 20, 236-246.	5.4	55
57	Genomic and Metabolomic Profile Associated to Microalbuminuria. PLoS ONE, 2014, 9, e98227.	2.5	18
58	Accurate classification of childhood brain tumours by in vivo 1H MRS â€“ A multi-centre study. European Journal of Cancer, 2013, 49, 658-667.	2.8	70
59	Metabolomics in the Diagnosis of Acute Myocardial Ischemia. Journal of Cardiovascular Translational Research, 2013, 6, 808-815.	2.4	27
60	Microvascular obstruction in the right ventricle in reperfused anterior myocardial infarction. Macroscopic and pathologic evidence in a swine model. Thrombosis Research, 2013, 132, 592-598.	1.7	9
61	Microvascular obstruction in the right ventricle in reperfused anterior myocardial infarction: macroscopic and pathologic evidence in a swine model. European Heart Journal, 2013, 34, P5540-P5540.	2.2	0
62	Gene Expression Profiles of Metabolic Aggressiveness and Tumor Recurrence in Benign Meningioma. PLoS ONE, 2013, 8, e67291.	2.5	28
63	Metabolomic profiling in blood from umbilical cords of low birth weight newborns. Journal of Translational Medicine, 2012, 10, 142.	4.4	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. Journal of the American College of Cardiology, 2012, 59, 1629-1641.	2.8	84
66	Metabolic profile of chronic liver disease by NMR spectroscopy of human biopsies. International Journal of Molecular Medicine, 2011, 27, 111-7.	4.0	31
67	Magnetic Resonance Microscopy at 14 Tesla and Correlative Histopathology of Human Brain Tumor Tissue. PLoS ONE, 2011, 6, e27442.	2.5	10
68	Metabolomics of the effect of AMPK activation by AICAR on human umbilical vein endothelial cells. International Journal of Molecular Medicine, 2011, 29, 88-94.	4.0	10
69	Analysis of Metabolic and Gene Expression Changes after Hydrodynamic DNA Injection into Mouse Liver. Biological and Pharmaceutical Bulletin, 2011, 34, 167-172.	1.4	7
70	Incremental Gaussian Discriminant Analysis based on Graybill and Deal weighted combination of estimators for brain tumour diagnosis. Journal of Biomedical Informatics, 2011, 44, 677-687.	4.3	14
71	Compatibility between 3TÂ1H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 35-42.	2.0	18
72	RasGrf1 deficiency delays aging in mice. Aging, 2011, 3, 262-276.	3.1	59

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73	Comparative metabolic profiling of paediatric ependymoma, medulloblastoma and pilocytic astrocytoma. International Journal of Molecular Medicine, 2010, 26, 941-8.	4.0	33
74	Inhibition of mitochondrial function by efavirenz increases lipid content in hepatic cells. Hepatology, 2010, 52, 115-125.	7.3	128
75	Metabolic Aggressiveness in Benign Meningiomas with Chromosomal Instabilities. Cancer Research, 2010, 70, 8426-8434.	0.9	35
76	New pattern of EGFR amplification in glioblastoma and the relationship of gene copy number with gene expression profile. Modern Pathology, 2010, 23, 856-865.	5.5	88
77	Tripleâ€negative breast cancer: Present challenges and new perspectives. Molecular Oncology, 2010, 4, 209-229.	4.6	252
78	Determination of metabolite concentrations in human brain tumour biopsy samples using HRâ€MAS and ERETIC measurements. NMR in Biomedicine, 2009, 22, 199-206.	2.8	47
79	Metabolite profiling of fecal water extracts from human colorectal cancer. NMR in Biomedicine, 2009, 22, 342-348.	2.8	179
80	Multiprojectâ€“multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 5-18.	2.0	126
81	Metastasizing anaplastic ependymoma in an adult. Chromosomal imbalances, metabolic and gene expression profiles. Histopathology, 2009, 54, 500-504.	2.9	16
82	Combining HR-MAS and In Vivo MRI and MRSI Information for Robust Brain Tumor Recognition. IFMBE Proceedings, 2009, , 340-343.	0.3	0
83	Assessing model accuracy using the homology modeling automatically software. Proteins: Structure, Function and Bioinformatics, 2008, 70, 105-118.	2.6	42
84	Efavirenz induces alterations in lipid metabolism through AMPK activation. Journal of the International AIDS Society, 2008, 11, P120.	3.0	0
85	Benign and Atypical Meningioma Metabolic Signatures by High-Resolution Magic-Angle Spinning Molecular Profiling. Journal of Proteome Research, 2008, 7, 2882-2888.	3.7	59
86	Quantification and classification of high-resolution magic angle spinning data for brain tumor diagnosis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5407-10.	0.5	14
87	NMR structure of hypothetical protein TA0938 from Thermoplasma acidophilum. Proteins: Structure, Function and Bioinformatics, 2007, 67, 1185-1188.	2.6	0
88	SPINS: A laboratory information management system for organizing and archiving intermediate and final results from NMR protein structure determinations. Proteins: Structure, Function and Bioinformatics, 2006, 62, 843-851.	2.6	11
89	Structural insights into the GTPase domain of Escherichia coli MnmE protein. Proteins: Structure, Function and Bioinformatics, 2006, 66, 726-739.	2.6	6
90	Resonance Assignments for the Hypothetical Protein TA0938 from Termoplasma Acidophilum. Journal of Biomolecular NMR, 2006, 36, 36-36.	2.8	1

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91	Metabolite identification in human liver needle biopsies by high-resolution magic angle spinning1H NMR spectroscopy. NMR in Biomedicine, 2006, 19, 90-100.	2.8	83
92	MRS as Endogenous Molecular Imaging for Brain and Prostate Tumors: FP6 Project â€œeTUMORâ€œ. Advances in Experimental Medicine and Biology, 2006, 587, 285-302.	1.6	20
93	Conformation and concerted dynamics of the integrin-binding site and the C-terminal region of echistatin revealed by homonuclear NMR. Biochemical Journal, 2005, 387, 57-66.	3.7	44
94	cDNA Cloning and Functional Expression of Jerdostatin, a Novel RTS-disintegrin from Trimeresurus jerdonii and a Specific Antagonist of the Î±1Î²1 Integrin. Journal of Biological Chemistry, 2005, 280, 40714-40722.	3.4	41
95	Snake venom disintegrins: evolution of structure and function. Toxicon, 2005, 45, 1063-1074.	1.6	246
96	Letter to the Editor: Backbone1H,15N and13C assignments for the 21ÂkDa Caenorhabditis elegans homologue of `brain-specific' protein. Journal of Biomolecular NMR, 2004, 28, 91-92.	2.8	7
97	Letter to the Editor: Solution structure of hypothetical protein TA1414 from Thermoplasma acidophilum. Journal of Biomolecular NMR, 2004, 28, 81-84.	2.8	1
98	Letter to the Editor: Backbone1H,13C and15N Resonance Assignments for the 18.7ÂkDa GTPase Domain of Escherichia Coli MnmE Protein. Journal of Biomolecular NMR, 2004, 28, 307-308.	2.8	3
99	NMR and homology modeling studies of copper(II)-halocyanin from Natronobacterium pharaonis bacteria. Inorganica Chimica Acta, 2004, 357, 1111-1118.	2.4	1
100	Study of electrostatic potential surface distribution of wild-type plastocyaninSynechocystissolution structure determined by homonuclear NMR. Biopolymers, 2003, 70, 212-220.	2.4	5
101	Amino acid sequence and homology modeling of obtustatin, a novel non-RGD-containing short disintegrin isolated from the venom of Vipera lebetina obtusa. Protein Science, 2003, 12, 366-371.	7.6	46
102	NMR Solution Structure of the Non-RGD Disintegrin Obtustatin. Journal of Molecular Biology, 2003, 329, 135-145.	4.2	48
103	NMR study of hexanucleotide d(CCGCGG)2 containing two triplet repeats of fragile X syndrome. Biochemical and Biophysical Research Communications, 2003, 303, 81-90.	2.1	5
104	Concerted Motions of the Integrin-binding Loop and the C-terminal Tail of the Non-RGD Disintegrin Obtustatin. Journal of Biological Chemistry, 2003, 278, 45570-45576.	3.4	32
105	Structural Proteomics of Eukaryotic Gene Families. Scientific World Journal, The, 2002, 2, 32-32.	2.1	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. Journal of Structural and Functional Genomics, 2002, 2, 93-101.	1.2	38
107	Solution NMR structure and folding dynamics of the N terminus of a rat non-muscle Î±-tropomyosin in an engineered chimeric protein 1 1Edited by P. E. Wright. Journal of Molecular Biology, 2001, 312, 833-847.	4.2	65
108	Automatic Determination of Protein Backbone Resonance Assignments from Triple Resonance Nuclear Magnetic Resonance Data. Methods in Enzymology, 2001, 339, 91-108.	1.0	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.	2.8	14
110	A thermodynamic, electrochemical and molecular dynamics study on NAD and NADP recognition by 1,4,7,10,13,16,19-heptaazacyclohenicosane ([21]aneN7)â€Šâ€. 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.	2.4	6
112	Homology modeling using simulated annealing of restrained molecular dynamics and conformational search calculations with CONGEN: Application in predicting the threeâ€dimensional structure of murine homeodomain Msxâ€1. Protein Science, 1997, 6, 956-970.	7.6	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 motivaciÃ³n de las tareas digitales mediante â€œpseudo-ApSâ€•en BiologÃa Celular del grado de Medicina. , 0, , .		0