

# David Otaegui

## 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.

86  
papers

2,592  
citations

30  
h-index

48  
g-index

99  
ext. papers

3,158  
ext. citations

5.1  
avg, IF

4.89  
L-index

#	Paper	IF	Citations
86	Differential micro RNA expression in PBMC from multiple sclerosis patients. <i>PLoS ONE</i> , <b>2009</b> , 4, e6309	3.7	184
85	CircRNAs and cancer: Biomarkers and master regulators. <i>Seminars in Cancer Biology</i> , <b>2019</b> , 58, 90-99	12.7	177
84	Mitochondrial DNA depletion and dGK gene mutations. <i>Annals of Neurology</i> , <b>2002</b> , 52, 311-7	9.4	125
83	LGMD2A: genotype-phenotype correlations based on a large mutational survey on the calpain 3 gene. <i>Brain</i> , <b>2005</b> , 128, 732-42	11.2	108
82	X-linked dominant scapulo-peroneal myopathy is due to a mutation in the gene encoding four-and-a-half-LIM protein 1. <i>American Journal of Human Genetics</i> , <b>2008</b> , 82, 208-13	11	91
81	Methods for extracellular vesicles isolation in a hospital setting. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 50	8.4	75
80	Extracellular Vesicles in Multiple Sclerosis: What are They Telling Us?. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 100	6.1	71
79	The autoimmune disease-associated KIF5A, CD226 and SH2B3 gene variants confer susceptibility for multiple sclerosis. <i>Genes and Immunity</i> , <b>2010</b> , 11, 439-45	4.4	71
78	Cognitive/personality pattern and triplet expansion size in adult myotonic dystrophy type 1 (DM1): CTG repeats, cognition and personality in DM1. <i>Psychological Medicine</i> , <b>2010</b> , 40, 487-95	6.9	70
77	The circulating transcriptome as a source of non-invasive cancer biomarkers: concepts and controversies of non-coding and coding RNA in body fluids. <i>Journal of Cellular and Molecular Medicine</i> , <b>2015</b> , 19, 2307-23	5.6	64
76	Circular RNA profiling reveals that circular RNAs from ANXA2 can be used as new biomarkers for multiple sclerosis. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 3564-3572	5.6	61
75	Circulating microparticles reflect treatment effects and clinical status in multiple sclerosis. <i>Biomarkers in Medicine</i> , <b>2014</b> , 8, 653-61	2.3	59
74	Mutations in progranulin gene: clinical, pathological, and ribonucleic acid expression findings. <i>Biological Psychiatry</i> , <b>2008</b> , 63, 946-52	7.9	58
73	The circulating transcriptome as a source of cancer liquid biopsy biomarkers. <i>Seminars in Cancer Biology</i> , <b>2019</b> , 58, 100-108	12.7	53
72	Identification of a functional variant in the KIF5A-CYP27B1-METTL1-FAM119B locus associated with multiple sclerosis. <i>Journal of Medical Genetics</i> , <b>2013</b> , 50, 25-33	5.8	45
71	ERK2 protein regulates the proliferation of human mesenchymal stem cells without affecting their mobilization and differentiation potential. <i>Experimental Cell Research</i> , <b>2008</b> , 314, 1777-88	4.2	44
70	Liquid Biopsy in Glioblastoma: Opportunities, Applications and Challenges. <i>Cancers</i> , <b>2019</b> , 11,	6.6	43

69	Blood miRNA expression pattern is a possible risk marker for natalizumab-associated progressive multifocal leukoencephalopathy in multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , <b>2014</b> , 20, 1851-5	5	43
68	Chitinase 3-like 1 plasma levels are increased in patients with progressive forms of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2012</b> , 18, 983-90	5	41
67	HLA-DRB1*15:01 and multiple sclerosis: a female association?. <i>Multiple Sclerosis Journal</i> , <b>2012</b> , 18, 569-73	5	41
66	Ferritin-mediated siRNA delivery and gene silencing in human tumor and primary cells. <i>Biomaterials</i> , <b>2016</b> , 98, 143-51	15.6	40
65	ANKRD55 and DHCR7 are novel multiple sclerosis risk loci. <i>Genes and Immunity</i> , <b>2012</b> , 13, 253-7	4.4	37
64	CD24 V/V is an allele associated with the risk of developing multiple sclerosis in the Spanish population. <i>Multiple Sclerosis Journal</i> , <b>2006</b> , 12, 511-4	5	37
63	Neural-competent cells of adult human dermis belong to the Schwann lineage. <i>Stem Cell Reports</i> , <b>2014</b> , 3, 774-88	8	35
62	Cancer risk in DM1 is sex-related and linked to miRNA-200/141 downregulation. <i>Neurology</i> , <b>2016</b> , 87, 1250-7	6.5	34
61	Penetrance in Parkinson disease related to the LRRK2 R1441G mutation in the Basque country (Spain). <i>Movement Disorders</i> , <b>2010</b> , 25, 2340-5	7	33
60	A genomic screen of Spanish multiple sclerosis patients reveals multiple loci associated with the disease. <i>Journal of Neuroimmunology</i> , <b>2003</b> , 143, 124-8	3.5	33
59	Mitochondrial polymorphisms in Parkinson Disease. <i>Neuroscience Letters</i> , <b>2004</b> , 370, 171-4	3.3	32
58	Replication of top markers of a genome-wide association study in multiple sclerosis in Spain. <i>Genes and Immunity</i> , <b>2011</b> , 12, 110-5	4.4	31
57	Transcriptomic profile reveals gender-specific molecular mechanisms driving multiple sclerosis progression. <i>PLoS ONE</i> , <b>2014</b> , 9, e90482	3.7	31
56	Validation of IRF5 as multiple sclerosis risk gene: putative role in interferon beta therapy and human herpes virus-6 infection. <i>Genes and Immunity</i> , <b>2011</b> , 12, 40-5	4.4	30
55	Genome-wide significant association of ANKRD55 rs6859219 and multiple sclerosis risk. <i>Journal of Medical Genetics</i> , <b>2013</b> , 50, 140-3	5.8	29
54	The genetics of multiple sclerosis: review of current and emerging candidates. <i>The Application of Clinical Genetics</i> , <b>2013</b> , 6, 63-73	3.1	29
53	Genes related to iron metabolism and susceptibility to Alzheimer disease in Basque population. <i>Neurobiology of Aging</i> , <b>2007</b> , 28, 1941-3	5.6	29
52	A functional variant that affects exon-skipping and protein expression of SP140 as genetic mechanism predisposing to multiple sclerosis. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 5619-27	5.6	28

51	Characterization of novel CAPN3 isoforms in white blood cells: an alternative approach for limb-girdle muscular dystrophy 2A diagnosis. <i>Neurogenetics</i> , <b>2008</b> , 9, 173-82	3	28
50	Apolipoprotein E epsilon4 allele in familial and sporadic Parkinson disease. <i>Neuroscience Letters</i> , <b>2006</b> , 406, 235-9	3.3	28
49	SncRNA (microRNA & snoRNA) opposite expression pattern found in multiple sclerosis relapse and remission is sex dependent. <i>Scientific Reports</i> , <b>2016</b> , 6, 20126	4.9	27
48	Validation of the CD6 and TNFRSF1A loci as risk factors for multiple sclerosis in Spain. <i>Journal of Neuroimmunology</i> , <b>2010</b> , 223, 100-3	3.5	27
47	Somatic mosaicism in a case of apparently sporadic Creutzfeldt-Jakob disease carrying a de novo D178N mutation in the PRNP gene. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , <b>2010</b> , 153B, 1283-91	3.5	27
46	MiR-219a-5p Enriched Extracellular Vesicles Induce OPC Differentiation and EAE Improvement More Efficiently Than Liposomes and Polymeric Nanoparticles. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	26
45	Replication study of 10 genes showing evidence for association with multiple sclerosis: validation of TMEM39A, IL12B and CBLB [correction of CLBL] genes. <i>Multiple Sclerosis Journal</i> , <b>2012</b> , 18, 959-65	5	24
44	Mitochondrial haplogroups in Basque multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , <b>2004</b> , 10, 532-5	5	24
43	Therapeutic Potential of Extracellular Vesicles for Demyelinating Diseases; Challenges and Opportunities. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 434	6.1	24
42	Inflammaging and Frailty Status Do Not Result in an Increased Extracellular Vesicle Concentration in Circulation. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	17
41	The Impact of Diet on Microbiota Evolution and Human Health. Is Diet an Adequate Tool for Microbiota Modulation?. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	16
40	Influence of CCR5-Delta32 genotype in Spanish population with multiple sclerosis. <i>Neurogenetics</i> , <b>2007</b> , 8, 201-5	3	16
39	UCP2 and mitochondrial haplogroups as a multiple sclerosis risk factor. <i>Multiple Sclerosis Journal</i> , <b>2007</b> , 13, 454-8	5	16
38	Increased transcriptional activity of milk-related genes following the active phase of experimental autoimmune encephalomyelitis and multiple sclerosis. <i>Journal of Immunology</i> , <b>2007</b> , 179, 4074-82	5.3	16
37	Models for Studying Myelination, Demyelination and Remyelination. <i>NeuroMolecular Medicine</i> , <b>2017</b> , 19, 181-192	4.6	15
36	The First Dose of Fingolimod Affects Circulating Extracellular Vesicles in Multiple Sclerosis Patients. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	15
35	Study of mitochondrial DNA mutations in patients with migraine with prolonged aura. <i>Headache</i> , <b>2004</b> , 44, 674-7	4.2	15
34	Fine mapping and functional analysis of the multiple sclerosis risk gene CD6. <i>PLoS ONE</i> , <b>2013</b> , 8, e62376	3.7	15

33	Relevance of oxidative stress and inflammation in frailty based on human studies and mouse models. <i>Aging</i> , <b>2020</b> , 12, 9982-9999	5.6	15
32	Identification of ncRNAs as potential therapeutic targets in multiple sclerosis through differential ncRNA - mRNA network analysis. <i>BMC Genomics</i> , <b>2015</b> , 16, 250	4.5	14
31	Minimizing creatine kinase variability in rats for neuromuscular research purposes. <i>Laboratory Animals</i> , <b>2008</b> , 42, 19-25	2.6	13
30	Extracellular Vesicles in Blood: Sources, Effects, and Applications. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
29	Expression Profiling Analysis Reveals Key MicroRNA-mRNA Interactions in Early Retinal Degeneration in Retinitis Pigmentosa <b>2018</b> , 59, 2381-2392		12
28	Age gene expression and coexpression progressive signatures in peripheral blood leukocytes. <i>Experimental Gerontology</i> , <b>2015</b> , 72, 50-6	4.5	11
27	TAC1 mutation in Good <sup>®</sup> Syndrome: in search of a genetic basis. <i>Clinical Immunology</i> , <b>2012</b> , 145, 27-30	9	11
26	Inflammaging markers characteristic of advanced age show similar levels with frailty and dependency. <i>Scientific Reports</i> , <b>2021</b> , 11, 4358	4.9	10
25	Phospholipase Cbeta4 isozyme is expressed in human, rat, and murine heart left ventricles and in HL-1 cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , <b>2010</b> , 337, 167-73	4.2	9
24	Progressive changes in non-coding RNA profile in leucocytes with age. <i>Aging</i> , <b>2017</b> , 9, 1202-1218	5.6	9
23	Association between synapsin III gene promoter SNPs and multiple sclerosis in Basque patients. <i>Multiple Sclerosis Journal</i> , <b>2009</b> , 15, 124-8	5	8
22	Yerba mate ( <i>Ilex paraguariensis</i> ) inhibits lymphocyte activation in vitro. <i>Food and Function</i> , <b>2016</b> , 7, 4556-4563	4.56	8
21	To Be or Not to Be: Circular RNAs or mRNAs From Circular DNAs?. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 940	4.5	7
20	T cells and immune functions of plasma extracellular vesicles are differentially modulated from adults to centenarians. <i>Aging</i> , <b>2019</b> , 11, 10723-10741	5.6	7
19	Open Access of COVID-19-related publications in the first quarter of 2020: a preliminary study based in PubMed. <i>F1000Research</i> , <b>2020</b> , 9, 649	3.6	5
18	RNA-Seq profiling of leukocytes reveals a sex-dependent global circular RNA upregulation in multiple sclerosis and 6 candidate biomarkers. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 3361-3372	5.6	5
17	Household paired design reduces variance and increases power in multi-city gut microbiome study in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2020</b> , 1352458520924594	5	5
16	Neurogenetic disorders in the Basque population. <i>Annals of Human Genetics</i> , <b>2015</b> , 79, 57-75	2.2	4

15	Transcriptomic integration of DR and MOR signaling in the rat caudate putamen. <i>Scientific Reports</i> , <b>2018</b> , 8, 7337	4.9	4
14	Longitudinal clinical follow-up of a large family with the R357P Twinkle mutation. <i>JAMA Neurology</i> , <b>2013</b> , 70, 1425-8	17.2	4
13	Cognitive function in facioscapulohumeral dystrophy correlates with the molecular defect. <i>Genes, Brain and Behavior</i> , <b>2009</b> , 8, 53-9	3.6	4
12	Open Access of COVID-19-related publications in the first quarter of 2020: a preliminary study based in PubMed. <i>F1000Research</i> , <b>2020</b> , 9, 649	3.6	3
11	Molecular characterization of putative modulatory factors in two Spanish families with A1555G deafness. <i>Audiology and Neuro-Otology</i> , <b>2008</b> , 13, 320-7	2.2	2
10	Whole-Transcriptome Analysis in Peripheral Blood Mononuclear Cells from Patients with Lipid-Specific Oligoclonal IgM Band Characterization Reveals Two Circular RNAs and Two Linear RNAs as Biomarkers of Highly Active Disease. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	2
9	ABO blood group distributions in multiple sclerosis patients from Basque Country; O as a protective factor. <i>Multiple Sclerosis Journal - Experimental, Translational and Clinical</i> , <b>2019</b> , 5, 2055217319888957		
8	Gut Microbiota Changes in Experimental Autoimmune Encephalomyelitis and Cuprizone Mice Models. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 893-905	5.7	2
7	Blood Markers in Healthy-Aged Nonagenarians: A Combination of High Telomere Length and Low Amyloid $\beta$ Are Strongly Associated With Healthy Aging in the Oldest Old. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 380	5.3	2
6	Profiling of Plasma Extracellular Vesicle Transcriptome Reveals That circRNAs Are Prevalent and Differ between Multiple Sclerosis Patients and Healthy Controls.. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	1
5	O group is a protective factor for COVID19 in Basque population. <i>PLoS ONE</i> , <b>2021</b> , 16, e0249494	3.7	0
4	Development and validation of a LC-MS assay for the quantification of ikh12 a novel anti-tumor candidate in rat plasma and tissues and its application in a pharmacokinetic study. <i>Biomedical Chromatography</i> , <b>2015</b> , 29, 1249-58	1.7	
3	CHAPTER 13:Non-coding RNA and Multiple Sclerosis: New Targets for Drug Discovery. <i>RSC Drug Discovery Series</i> , <b>2019</b> , 285-301	0.6	
2	Proteomic Analysis of Extracellular Vesicles in Neurological Diseases. <i>Neuromethods</i> , <b>2017</b> , 245-253	0.4	
1	The innovative animal monitoring device for experimental autoimmune encephalomyelitis ("I AM D EAE"): A more detailed evaluation for improved results.. <i>Multiple Sclerosis and Related Disorders</i> , <b>2022</b> , 63, 103836	4	