

# JesÃ³s RodrÃ­guez DÃ­az

## List of Publications by Year in descending order

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88  
papers

2,674  
citations

201674

27  
h-index

233421

45  
g-index

101  
all docs

101  
docs citations

101  
times ranked

3745  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Epidemiology of Caliciviruses Causing Outbreaks and Sporadic Cases of Acute Gastroenteritis in Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 2854-2859.	3.9	165
2	Rotavirus Stimulates Release of Serotonin (5-HT) from Human Enterochromaffin Cells and Activates Brain Structures Involved in Nausea and Vomiting. <i>PLoS Pathogens</i> , 2011, 7, e1002115.	4.7	152
3	Interaction of Intestinal Bacteria with Human Rotavirus during Infection in Children. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1010.	4.1	142
4	The G428A Nonsense Mutation in FUT2 Provides Strong but Not Absolute Protection against Symptomatic GII.4 Norovirus Infection. <i>PLoS ONE</i> , 2009, 4, e5593.	2.5	125
5	Pyrrolineâ€s-carboxylate synthase and proline biosynthesis: From osmotolerance to rare metabolic disease. <i>Protein Science</i> , 2010, 19, 372-382.	7.6	112
6	Antibody Prevalence and Titer to Norovirus (Genogroup II) Correlate with Secretor(FUT2)but Not with ABO Phenotype or Lewis(FUT3)Genotype. <i>Journal of Infectious Diseases</i> , 2006, 194, 1422-1427.	4.0	108
7	Human noroviruses recognize sialyl Lewis x neoglycoprotein. <i>Glycobiology</i> , 2009, 19, 309-320.	2.5	93
8	Utilization of Natural Fucosylated Oligosaccharides by Three Novel Î±-Fucosidases from a Probiotic <i>Lactobacillus casei</i> Strain. <i>Applied and Environmental Microbiology</i> , 2011, 77, 703-705.	3.1	84
9	Optimization of PMAxx pretreatment to distinguish between human norovirus with intact and altered capsids in shellfish and sewage samples. <i>International Journal of Food Microbiology</i> , 2018, 266, 1-7.	4.7	80
10	Detection and Characterization of Waterborne Gastroenteritis Viruses in Urban Sewage and Sewage-Polluted River Waters in Caracas, Venezuela. <i>Applied and Environmental Microbiology</i> , 2009, 75, 387-394.	3.1	74
11	Relevance of secretor status genotype and microbiota composition in susceptibility to rotavirus and norovirus infections in humans. <i>Scientific Reports</i> , 2017, 7, 45559.	3.3	71
12	SARS-CoV-2 antibodies, serum inflammatory biomarkers and clinical severity of hospitalized COVID-19 patients. <i>Journal of Clinical Virology</i> , 2020, 131, 104611.	3.1	61
13	A unique gene cluster for the utilization of the mucosal and human milk-associated glycans galactose and lactose and lactose in <i>Lactobacillus casei</i> . <i>Molecular Microbiology</i> , 2014, 93, 521-538.	2.5	56
14	Functional Analysis of the <i>Lactobacillus casei</i> BL23 Sortases. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8684-8693.	3.1	55
15	Molecular Detection and Characterization of Aichi Viruses in Sewage-Polluted Waters of Venezuela. <i>Applied and Environmental Microbiology</i> , 2010, 76, 4113-4115.	3.1	49
16	The Interactions between Host Glycobiology, Bacterial Microbiota, and Viruses in the Gut. <i>Viruses</i> , 2018, 10, 96.	3.3	47
17	Improving efficiency of viability-qPCR for selective detection of infectious HAV in food and water samples. <i>Journal of Applied Microbiology</i> , 2018, 124, 958-964.	3.1	44
18	<i>Lactobacillus casei</i> Ferments the N-Acetylglucosamine Moiety of Fucosyl-1,3-N-Acetylglucosamine and Excretes l-Fucose. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4613-4619.	3.1	42

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19	Recommendations for the introduction of metagenomic high-throughput sequencing in clinical virology, part I: Wet lab procedure. <i>Journal of Clinical Virology</i> , 2021, 134, 104691.	3.1	42
20	Unraveling the role of the secretor antigen in human rotavirus attachment to histo-blood group antigens. <i>PLoS Pathogens</i> , 2019, 15, e1007865.	4.7	41
21	Epidemiological Surveillance of Norovirus and Rotavirus in Sewage (2016–2017) in Valencia (Spain). <i>Microorganisms</i> , 2020, 8, 458.	3.6	39
22	Synthesis of Fucosyl- $\alpha$ -Acetylglucosamine Disaccharides by Transfucosylation Using $\alpha$ -L-Fucosidases from <i>Lactobacillus casei</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 3847-3850.	3.1	38
23	Noroviral P-Particles as an In Vitro Model to Assess the Interactions of Noroviruses with Probiotics. <i>PLoS ONE</i> , 2014, 9, e89586.	2.5	38
24	Histo-Blood Group Antigens in Children with Symptomatic Rotavirus Infection. <i>Viruses</i> , 2019, 11, 339.	3.3	38
25	Inference of SARS-CoV-2 spike-binding neutralizing antibody titers in sera from hospitalized COVID-19 patients by using commercial enzyme and chemiluminescent immunoassays. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 485-494.	2.9	37
26	Role of nitric oxide during rotavirus infection. <i>Journal of Medical Virology</i> , 2006, 78, 979-985.	5.0	36
27	Glutamate-induced activation of nitric oxide synthase is impaired in cerebral cortex in vivo in rats with chronic liver failure. <i>Journal of Neurochemistry</i> , 2007, 102, 51-64.	3.9	35
28	The Extracellular Wall-Bound $\alpha$ -Acetylglucosaminidase from <i>Lactobacillus casei</i> Is Involved in the Metabolism of the Human Milk Oligosaccharide Lacto- $\alpha$ -Triose. <i>Applied and Environmental Microbiology</i> , 2016, 82, 570-577.	3.1	30
29	Lower respiratory tract and plasma SARS-CoV-2 RNA load in critically ill adult COVID-19 patients: Relationship with biomarkers of disease severity. <i>Journal of Infection</i> , 2021, 83, 381-412.	3.3	27
30	Quasispecies dynamics and molecular evolution of human norovirus capsid P region during chronic infection. <i>Journal of General Virology</i> , 2009, 90, 432-441.	2.9	26
31	Human norovirus hyper-mutation revealed by ultra-deep sequencing. <i>Infection, Genetics and Evolution</i> , 2016, 41, 233-239.	2.3	26
32	Epidemiology of foodborne Norovirus outbreaks in Catalonia, Spain. <i>BMC Infectious Diseases</i> , 2008, 8, 47.	2.9	23
33	The Rotavirus Vaccine Landscape, an Update. <i>Pathogens</i> , 2021, 10, 520.	2.8	22
34	Yeast expression of the VP8* fragment of the rotavirus spike protein and its use as immunogen in mice. <i>Biotechnology and Bioengineering</i> , 2006, 93, 89-98.	3.3	21
35	Aetiology and epidemiology of viral gastroenteritis outbreaks in Catalonia (Spain) in 2004–2005. <i>Journal of Clinical Virology</i> , 2008, 43, 126-131.	3.1	21
36	Characterization of a Novel Conformational GII.4 Norovirus Epitope: Implications for Norovirus-Host Interactions. <i>Journal of Virology</i> , 2016, 90, 7703-7714.	3.4	21

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37	Hit identification of novel heparanase inhibitors by structure- and ligand-based approaches. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1944-1951.	3.0	20
38	Preparative scale purification of fucosyl-N-acetylglucosamine disaccharides and their evaluation as potential prebiotics and antiadhesins. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7165-7176.	3.6	20
39	Antiviral activity of aged green tea extract in model food systems and under gastric conditions. <i>International Journal of Food Microbiology</i> , 2019, 292, 101-106.	4.7	20
40	Metabolic engineering of <i>Lactobacillus casei</i> for production of UDP-N-acetylglucosamine. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1704-1712.	3.3	19
41	The lactose operon from <i>Lactobacillus casei</i> is involved in the transport and metabolism of the human milk oligosaccharide core-2 N-acetylglucosamine. <i>Scientific Reports</i> , 2018, 8, 7152.	3.3	19
42	Nasal immunization of mice with a rotavirus DNA vaccine that induces protective intestinal IgA antibodies. <i>Vaccine</i> , 2004, 23, 489-498.	3.8	18
43	Enhanced UDP-glucose and UDP-galactose by homologous overexpression of UDP-glucose pyrophosphorylase in <i>Lactobacillus casei</i> . <i>Journal of Biotechnology</i> , 2011, 154, 212-215.	3.8	18
44	Norovirus infections and seroprevalence of genotype gii.4-specific antibodies in a spanish population. <i>Journal of Medical Virology</i> , 2015, 87, 675-682.	5.0	18
45	Therapeutic Opportunities in Intestinal Microbiota-Virus Interactions. <i>Trends in Biotechnology</i> , 2018, 36, 645-648.	9.3	18
46	Epidemiological and Genetic Characterization of Sapovirus in Patients with Acute Gastroenteritis in Valencia (Spain). <i>Viruses</i> , 2021, 13, 184.	3.3	17
47	Molecular Characterization of Sewage-Borne Pathogens and Detection of Sewage Markers in an Urban Stream in Caracas, Venezuela. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2023-2026.	3.1	16
48	SARS-CoV-2 Nucleic Acidemia in critically ill adult COVID-19 patients: Frequency and association with inflammatory and tissue damage biomarkers. <i>Journal of Medical Virology</i> , 2022, 94, 222-228.	5.0	16
49	Regulatory insights into the production of UDP-N-acetylglucosamine by <i>Lactobacillus casei</i> . <i>Bioengineered</i> , 2012, 3, 339-342.	3.2	15
50	Human milk and mucosal lacto- and galacto-N-biose synthesis by transgalactosylation and their prebiotic potential in <i>Lactobacillus</i> species. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 205-215.	3.6	15
51	Unique Microbial Catabolic Pathway for the Human Core N-Glycan Constituent Fucosyl-1,6-N-Acetylglucosamine-Asparagine. <i>MBio</i> , 2020, 11, .	4.1	15
52	Infant gut microbiota modulation by human milk disaccharides in humanized microbiome mice. <i>Gut Microbes</i> , 2021, 13, 1-20.	9.8	15
53	Expression and purification of polyhistidine-tagged rotavirus NSP4 proteins in insect cells. <i>Protein Expression and Purification</i> , 2003, 31, 207-212.	1.3	14
54	Human milk and mucosa-associated disaccharides impact on cultured infant fecal microbiota. <i>Scientific Reports</i> , 2020, 10, 11845.	3.3	14

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55	Single-chain variable fragment (scFv) antibodies against rotavirus NSP4 enterotoxin generated by phage display. <i>Journal of Virological Methods</i> , 2004, 121, 231-238.	2.1	13
56	Design of a multiplex nested PCR for genotyping of the NSP4 from group A rotavirus. <i>Journal of Virological Methods</i> , 2008, 149, 240-245.	2.1	13
57	The Role of Host Glycobiology and Gut Microbiota in Rotavirus and Norovirus Infection, an Update. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13473.	4.1	13
58	Acute gastroenteritis outbreaks in Catalonia, Spain: Norovirus versus Salmonella. <i>Scandinavian Journal of Gastroenterology</i> , 2008, 43, 567-573.	1.5	12
59	Suitability of two rapid lateral flow immunochromatographic assays for predicting SARS-CoV-2 neutralizing activity of sera. <i>Journal of Medical Virology</i> , 2021, 93, 2301-2306.	5.0	12
60	Structures of collagen IV globular domains: insight into associated pathologies, folding and network assembly. <i>IUCr</i> , 2018, 5, 765-779.	2.2	12
61	Selection of Single-Chain Antibodies against the VP8* Subunit of Rotavirus VP4 Outer Capsid Protein and Their Expression in <i>Lactobacillus casei</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 6936-6939.	3.1	11
62	Precise mapping of the Goodpasture epitope(s) using phage display, site-directed mutagenesis, and surface plasmon resonance. <i>Kidney International</i> , 2013, 83, 438-445.	5.2	11
63	High incidence of outbreaks of norovirus GII.4 in hospitals and nursing homes in Catalonia. <i>Journal of Hospital Infection</i> , 2009, 72, 275-277.	2.9	10
64	Seroepidemiology of porcine enteric sapovirus in pig farms in Venezuela. <i>Veterinary Immunology and Immunopathology</i> , 2010, 137, 269-274.	1.2	9
65	Antibodies against Lewis antigens inhibit the binding of human norovirus GII.4 virus-like particles to saliva but not to intestinal Caco-2 cells. <i>Virology Journal</i> , 2016, 13, 82.	3.4	9
66	Characterisation of a household norovirus outbreak occurred in Valencia (Spain). <i>BMC Infectious Diseases</i> , 2016, 16, 124.	2.9	9
67	Adaptive immune responses to SARS-CoV-2 in recovered severe COVID-19 patients. <i>Journal of Clinical Virology</i> , 2021, 142, 104943.	3.1	9
68	Humoral immune response to rotavirus NSP4 enterotoxin in Spanish children. <i>Journal of Medical Virology</i> , 2005, 77, 317-322.	5.0	8
69	Oral immunization of mice with <i>Lactococcus lactis</i> expressing the rotavirus VP8* protein. <i>Biotechnology Letters</i> , 2011, 33, 1169-1175.	2.2	8
70	Infant-gut associated <i>Bifidobacterium dentium</i> strains utilize the galactose moiety and release lacto-N-triose from the human milk oligosaccharides lacto-N-tetraose and lacto-N-neotetraose. <i>Scientific Reports</i> , 2021, 11, 23328.	3.3	8
71	Probiotics against Digestive Tract Viral Infections. , 2013, , 271-284.		7
72	Rotavirus symptomatic infection among unvaccinated and vaccinated children in Valencia, Spain. <i>BMC Infectious Diseases</i> , 2019, 19, 998.	2.9	7

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73	Molecular Virology of Enteric Viruses (with Emphasis on Caliciviruses). , 2006, , 43-100.		7
74	Presence of Human Enteric Viruses in the Stools of Healthy Malawian 6â€Monthâ€™Old Infants. Journal of Pediatric Gastroenterology and Nutrition, 2014, 58, 502-504.	1.8	6
75	Combined kinetic analysis of SARS-CoV-2 RNAemia, N-antigenemia and virus-specific antibodies in critically ill adult COVID-19 patients. Scientific Reports, 2022, 12, 8273.	3.3	5
76	The Molecular Virology of Enteric Viruses. , 2016, , 59-130.		4
77	Nearly Complete Genome Sequence of a Human Norovirus GII.P17-GII.17 Strain Isolated from Brazil in 2015. Microbiology Resource Announcements, 2019, 8, .	0.6	4
78	Microbiota Depletion Promotes Human Rotavirus Replication in an Adult Mouse Model. Biomedicines, 2021, 9, 846.	3.2	4
79	Benchmarking different approaches for Norovirus genome assembly in metagenome samples. BMC Genomics, 2021, 22, 849.	2.8	4
80	Recombinant Noroviruses Circulating in Spain from 2016 to 2020 and Proposal of Two Novel Genotypes within Genogroup I. Microbiology Spectrum, 2022, 10, .	3.0	4
81	Gross blood in stools of premature neonates, a clinical and microbiological followâ€™up study. Acta Paediatrica, International Journal of Paediatrics, 2013, 102, 486-491.	1.5	3
82	Sero-epidemiological study of the rotavirus VP8* protein from different P genotypes in Valencia, Spain. Scientific Reports, 2020, 10, 7753.	3.3	3
83	Nearly Complete Genome Sequences of Human Norovirus Belonging to Several Genotypes from Valencia, Spain. Microbiology Resource Announcements, 2019, 8, .	0.6	3
84	Intestinal Microbiota and Susceptibility to Viral Infections. , 2016, , 813-826.		2
85	Genetically Engineered Lactobacilli for Technological and Functional Food Applications. , 2012, , .		1
86	Bioactive Properties and Biotechnological Production of Human Milk Oligosaccharides. , 2018, , 425-460.		1
87	Proteolytic action of caspases 3 and 7 on the hydrolysis of bovine and porcine muscle myofibrillar proteins. , 2013, , 278-281.		1
88	Norovirus infection: why are the genogroup II genotype 4 strains so persistent in the population?. Future Virology, 2016, 11, 711-714.	1.8	0