JesÃºs RodrÃ-guez DÃ-az

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	SARSâ€CoVâ€2 Nâ€antigenemia in critically ill adult COVIDâ€19 patients: Frequency and association with inflammatory and tissueâ€damage biomarkers. Journal of Medical Virology, 2022, 94, 222-228.	5.0	16
2	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
3	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
4	Suitability of two rapid lateral flow immunochromatographic assays for predicting SARSâ€CoVâ€2 neutralizing activity of sera. Journal of Medical Virology, 2021, 93, 2301-2306.	5.0	12
5	Recommendations for the introduction of metagenomic high-throughput sequencing in clinical virology, part I: Wet lab procedure. Journal of Clinical Virology, 2021, 134, 104691.	3.1	42
6	Inference of SARS-CoV-2 spike-binding neutralizing antibody titers in sera from hospitalized COVID-19 patients by using commercial enzyme and chemiluminescent immunoassays. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 485-494.	2.9	37
7	Interaction of Intestinal Bacteria with Human Rotavirus during Infection in Children. International Journal of Molecular Sciences, 2021, 22, 1010.	4.1	142
8	Infant gut microbiota modulation by human milk disaccharides in humanized microbiome mice. Gut Microbes, 2021, 13, 1-20.	9.8	15
9	The Rotavirus Vaccine Landscape, an Update. Pathogens, 2021, 10, 520.	2.8	22
10	Microbiota Depletion Promotes Human Rotavirus Replication in an Adult Mouse Model. Biomedicines, 2021, 9, 846.	3.2	4
11	Adaptive immune responses to SARS-CoV-2 in recovered severe COVID-19 patients. Journal of Clinical Virology, 2021, 142, 104943.	3.1	9
12	Lower respiratory tract and plasma SARS-CoV-2 RNA load in critically ill adult COVID-19 patients: Relationship with biomarkers of disease severity. Journal of Infection, 2021, 83, 381-412.	3.3	27
13	Epidemiological and Genetic Characterization of Sapovirus in Patients with Acute Gastroenteritis in Valencia (Spain). Viruses, 2021, 13, 184.	3.3	17
14	Benchmarking different approaches for Norovirus genome assembly in metagenome samples. BMC Genomics, 2021, 22, 849.	2.8	4
15	Infant-gut associated Bifidobacterium dentium strains utilize the galactose moiety and release lacto-N-triose from the human milk oligosaccharides lacto-N-tetraose and lacto-N-neotetraose. Scientific Reports, 2021, 11, 23328.	3.3	8
16	The Role of Host Glycobiology and Gut Microbiota in Rotavirus and Norovirus Infection, an Update. International Journal of Molecular Sciences, 2021, 22, 13473.	4.1	13
17	SARS-CoV-2 antibodies, serum inflammatory biomarkers and clinical severity of hospitalized COVID-19 patients. Journal of Clinical Virology, 2020, 131, 104611.	3.1	61
18	Human milk and mucosa-associated disaccharides impact on cultured infant fecal microbiota. Scientific Reports, 2020, 10, 11845.	3.3	14

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19	Sero-epidemiological study of the rotavirus VP8* protein from different P genotypes in Valencia, Spain. Scientific Reports, 2020, 10, 7753.	3.3	3
20	Unique Microbial Catabolic Pathway for the Human Core N -Glycan Constituent Fucosyl-Î±-1,6-N -Acetylglucosamine-Asparagine. MBio, 2020, 11, .	4.1	15
21	Epidemiological Surveillance of Norovirus and Rotavirus in Sewage (2016â€“2017) in Valencia (Spain). Microorganisms, 2020, 8, 458.	3.6	39
22	Unraveling the role of the secretor antigen in human rotavirus attachment to histo-blood group antigens. PLoS Pathogens, 2019, 15, e1007865.	4.7	41
23	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
24	Histo-Blood Group Antigens in Children with Symptomatic Rotavirus Infection. Viruses, 2019, 11, 339.	3.3	38
25	Rotavirus symptomatic infection among unvaccinated and vaccinated children in Valencia, Spain. BMC Infectious Diseases, 2019, 19, 998.	2.9	7
26	Antiviral activity of aged green tea extract in model food systems and under gastric conditions. International Journal of Food Microbiology, 2019, 292, 101-106.	4.7	20
27	Nearly Complete Genome Sequences of Human Norovirus Belonging to Several Genotypes from Valencia, Spain. Microbiology Resource Announcements, 2019, 8, .	0.6	3
28	Therapeutic Opportunities in Intestinal Microbiotaâ€“Virus Interactions. Trends in Biotechnology, 2018, 36, 645-648.	9.3	18
29	Optimization of PMAxx pretreatment to distinguish between human norovirus with intact and altered capsids in shellfish and sewage samples. International Journal of Food Microbiology, 2018, 266, 1-7.	4.7	80
30	Improving efficiency of viability-qPCR for selective detection of infectious HAV in food and water samples. Journal of Applied Microbiology, 2018, 124, 958-964.	3.1	44
31	The lactose operon from Lactobacillus casei is involved in the transport and metabolism of the human milk oligosaccharide core-2 N-acetyllactosamine. Scientific Reports, 2018, 8, 7152.	3.3	19
32	Bioactive Properties and Biotechnological Production of Human Milk Oligosaccharides. , 2018, , 425-460.		1
33	The Interactions between Host Glycobiology, Bacterial Microbiota, and Viruses in the Gut. Viruses, 2018, 10, 96.	3.3	47
34	Structures of collagen IV globular domains: insight into associated pathologies, folding and network assembly. IUCrJ, 2018, 5, 765-779.	2.2	12
35	Relevance of secretor status genotype and microbiota composition in susceptibility to rotavirus and norovirus infections in humans. Scientific Reports, 2017, 7, 45559.	3.3	71
36	Human milk and mucosal lacto- and galacto-N-biose synthesis by transgalactosylation and their prebiotic potential in Lactobacillus species. Applied Microbiology and Biotechnology, 2017, 101, 205-215.	3.6	15

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37	Antibodies against Lewis antigens inhibit the binding of human norovirus GII.4 virus-like particles to saliva but not to intestinal Caco-2 cells. Virology Journal, 2016, 13, 82.	3.4	9
38	Norovirus infection: why are the genogroup II genotype 4 strains so persistent in the population?. Future Virology, 2016, 11, 711-714.	1.8	0
39	Human norovirus hyper-mutation revealed by ultra-deep sequencing. Infection, Genetics and Evolution, 2016, 41, 233-239.	2.3	26
40	The Molecular Virology of Enteric Viruses. , 2016, , 59-130.		4
41	Characterisation of a household norovirus outbreak occurred in Valencia (Spain). BMC Infectious Diseases, 2016, 16, 124.	2.9	9
42	Characterization of a Novel Conformational GII.4 Norovirus Epitope: Implications for Norovirus-Host Interactions. Journal of Virology, 2016, 90, 7703-7714.	3.4	21
43	The Extracellular Wall-Bound Î²- N -Acetylglucosaminidase from Lactobacillus casei Is Involved in the Metabolism of the Human Milk Oligosaccharide Lacto- N -Triose. Applied and Environmental Microbiology, 2016, 82, 570-577.	3.1	30
44	Intestinal Microbiota and Susceptibility to Viral Infections. , 2016, , 813-826.		2
45	Norovirus infections and seroprevalence of genotype gii.4â€specific antibodies in a spanish population. Journal of Medical Virology, 2015, 87, 675-682.	5.0	18
46	Preparative scale purification of fucosyl-N-acetylglucosamine disaccharides and their evaluation as potential prebiotics and antiadhesins. Applied Microbiology and Biotechnology, 2015, 99, 7165-7176.	3.6	20
47	Noroviral P-Particles as an In Vitro Model to Assess the Interactions of Noroviruses with Probiotics. PLoS ONE, 2014, 9, e89586.	2.5	38
48	A unique gene cluster for the utilization of the mucosal and human milkâ€associated glycans galactoâ€<scp>N</scp>â€biose and lactoâ€<scp>N</scp>â€biose in <scp>L</scp>actobacillus casei. Molecular Microbiology, 2014, 93, 521-538.	2.5	56
49	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
50	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
51	Synthesis of Fucosyl- N -Acetylglucosamine Disaccharides by Transfucosylation Using Î±-l-Fucosidases from Lactobacillus casei. Applied and Environmental Microbiology, 2013, 79, 3847-3850.	3.1	38
52	Hit identification of novel heparanase inhibitors by structure- and ligand-based approaches. Bioorganic and Medicinal Chemistry, 2013, 21, 1944-1951.	3.0	20
53	Precise mapping of the Goodpasture epitope(s) using phage display, site-directed mutagenesis, and surface plasmon resonance. Kidney International, 2013, 83, 438-445.	5.2	11
54	Probiotics against Digestive Tract Viral Infections. , 2013, , 271-284.		7

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55	Proteolytic action of caspases 3 and 7 on the hydrolysis of bovine and porcine muscle myofibrillar proteins. , 2013, , 278-281.		1
56	Lactobacillus casei Ferments theN-Acetylglucosamine Moiety of Fucosyl-Î±-1,3-N-Acetylglucosamine and Excretes l-Fucose. Applied and Environmental Microbiology, 2012, 78, 4613-4619.	3.1	42
57	Regulatory insights into the production of UDP-N-acetylglucosamine by Lactobacillus casei. Bioengineered, 2012, 3, 339-342.	3.2	15
58	Functional Analysis of the Lactobacillus casei BL23 Sortases. Applied and Environmental Microbiology, 2012, 78, 8684-8693.	3.1	55
59	Genetically Engineered Lactobacilli for Technological and Functional Food Applications. , 2012, , .		1
60	Metabolic engineering of Lactobacillus casei for production of UDPâ€Nâ€acetylglucosamine. Biotechnology and Bioengineering, 2012, 109, 1704-1712.	3.3	19
61	Oral immunization of mice with Lactococcus lactis expressing the rotavirus VP8* protein. Biotechnology Letters, 2011, 33, 1169-1175.	2.2	8
62	Enhanced UDP-glucose and UDP-galactose by homologous overexpression of UDP-glucose pyrophosphorylase in Lactobacillus casei. Journal of Biotechnology, 2011, 154, 212-215.	3.8	18
63	Rotavirus Stimulates Release of Serotonin (5-HT) from Human Enterochromaffin Cells and Activates Brain Structures Involved in Nausea and Vomiting. PLoS Pathogens, 2011, 7, e1002115.	4.7	152
64	Utilization of Natural Fucosylated Oligosaccharides by Three Novel Î±- <scp>l</scp> -Fucosidases from a Probiotic Lactobacillus casei Strain. Applied and Environmental Microbiology, 2011, 77, 703-705.	3.1	84
65	Pyrrolineâ€5â€carboxylate synthase and proline biosynthesis: From osmotolerance to rare metabolic disease. Protein Science, 2010, 19, 372-382.	7.6	112
66	Molecular Characterization of Sewage-Borne Pathogens and Detection of Sewage Markers in an Urban Stream in Caracas, Venezuela. Applied and Environmental Microbiology, 2010, 76, 2023-2026.	3.1	16
67	Molecular Detection and Characterization of Aichi Viruses in Sewage-Polluted Waters of Venezuela. Applied and Environmental Microbiology, 2010, 76, 4113-4115.	3.1	49
68	Seroepidemiology of porcine enteric sapovirus in pig farms in Venezuela. Veterinary Immunology and Immunopathology, 2010, 137, 269-274.	1.2	9
69	Detection and Characterization of Waterborne Gastroenteritis Viruses in Urban Sewage and Sewage-Polluted River Waters in Caracas, Venezuela. Applied and Environmental Microbiology, 2009, 75, 387-394.	3.1	74
70	Human noroviruses recognize sialyl Lewis x neoglycoprotein. Glycobiology, 2009, 19, 309-320.	2.5	93
71	Quasispecies dynamics and molecular evolution of human norovirus capsid P region during chronic infection. Journal of General Virology, 2009, 90, 432-441.	2.9	26
72	High incidence of outbreaks of norovirus GGII.4 in hospitals and nursing homes in Catalonia. Journal of Hospital Infection, 2009, 72, 275-277.	2.9	10

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73	The G428A Nonsense Mutation in FUT2 Provides Strong but Not Absolute Protection against Symptomatic GII.4 Norovirus Infection. PLoS ONE, 2009, 4, e5593.	2.5	125
74	Epidemiology of foodborne Norovirus outbreaks in Catalonia, Spain. BMC Infectious Diseases, 2008, 8, 47.	2.9	23
75	Design of a multiplex nested PCR for genotyping of the NSP4 from group A rotavirus. Journal of Virological Methods, 2008, 149, 240-245.	2.1	13
76	Aetiology and epidemiology of viral gastroenteritis outbreaks in Catalonia (Spain) in 2004â€“2005. Journal of Clinical Virology, 2008, 43, 126-131.	3.1	21
77	Acute gastroenteritis outbreaks in Catalonia, Spain: Norovirus versusSalmonella. Scandinavian Journal of Gastroenterology, 2008, 43, 567-573.	1.5	12
78	Glutamate-induced activation of nitric oxide synthase is impaired in cerebral cortexinÂvivoin rats with chronic liver failure. Journal of Neurochemistry, 2007, 102, 51-64.	3.9	35
79	Yeast expression of the VP8* fragment of the rotavirus spike protein and its use as immunogen in mice. Biotechnology and Bioengineering, 2006, 93, 89-98.	3.3	21
80	Role of nitric oxide during rotavirus infection. Journal of Medical Virology, 2006, 78, 979-985.	5.0	36
81	Antibody Prevalence and Titer to Norovirus (Genogroup II) Correlate with Secretor(FUT2)but Not with ABO Phenotype or Lewis(FUT3)Genotype. Journal of Infectious Diseases, 2006, 194, 1422-1427.	4.0	108
82	Molecular Virology of Enteric Viruses (with Emphasis on Caliciviruses). , 2006, , 43-100.		7
83	Humoral immune response to rotavirus NSP4 enterotoxin in Spanish children. Journal of Medical Virology, 2005, 77, 317-322.	5.0	8
84	Selection of Single-Chain Antibodies against the VP8* Subunit of Rotavirus VP4 Outer Capsid Protein and Their Expression in Lactobacillus casei. Applied and Environmental Microbiology, 2004, 70, 6936-6939.	3.1	11
85	Single-chain variable fragment (scFv) antibodies against rotavirus NSP4 enterotoxin generated by phage display. Journal of Virological Methods, 2004, 121, 231-238.	2.1	13
86	Nasal immunization of mice with a rotavirus DNA vaccine that induces protective intestinal IgA antibodies. Vaccine, 2004, 23, 489-498.	3.8	18
87	Expression and purification of polyhistidine-tagged rotavirus NSP4 proteins in insect cells. Protein Expression and Purification, 2003, 31, 207-212.	1.3	14
88	Molecular Epidemiology of Caliciviruses Causing Outbreaks and Sporadic Cases of Acute Gastroenteritis in Spain. Journal of Clinical Microbiology, 2002, 40, 2854-2859.	3.9	165