

Francisco Rodriguez-frias

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108
papers

2,292
citations

30
h-index

42
g-index

123
ext. papers

2,730
ext. citations

5.5
avg, IF

4.39
L-index

#	Paper	IF	Citations
108	The dynamic DNA methylomes of double-stranded DNA viruses associated with human cancer. <i>Genome Research</i> , 2009 , 19, 438-51	9.7	201
107	Quantitative longitudinal evaluations of hepatitis delta virus RNA and hepatitis B virus DNA shows a dynamic, complex replicative profile in chronic hepatitis B and D. <i>Journal of Hepatology</i> , 2010 , 52, 658-64	13.4	118
106	Phylogenetic demonstration of hepatitis E infection transmitted by pork meat ingestion. <i>Journal of Clinical Gastroenterology</i> , 2015 , 49, 165-8	3	68
105	Sporadic cases of acute autochthonous hepatitis E in Spain. <i>Journal of Hepatology</i> , 2004 , 41, 126-31	13.4	68
104	High-resolution hepatitis C virus subtyping using NS5B deep sequencing and phylogeny, an alternative to current methods. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 219-26	9.7	64
103	Community-based seroepidemiological survey of hepatitis E virus infection in Catalonia, Spain. <i>Vaccine Journal</i> , 2006 , 13, 1328-32		62
102	Viral quasispecies complexity measures. <i>Virology</i> , 2016 , 493, 227-37	3.6	59
101	Is hepatitis B virus subtype testing useful in predicting virological response and resistance to lamivudine?. <i>Journal of Hepatology</i> , 2002 , 36, 445-6	13.4	55
100	Ultra-deep pyrosequencing (UDPS) data treatment to study amplicon HCV minor variants. <i>PLoS ONE</i> , 2013 , 8, e83361	3.7	49
99	Indications for active case searches and intravenous alpha-1 antitrypsin treatment for patients with alpha-1 antitrypsin deficiency chronic pulmonary obstructive disease: an update. <i>Archivos De Bronconeumologia</i> , 2015 , 51, 185-92	0.7	48
98	Rare alpha-1-antitrypsin variants: are they really so rare?. <i>Therapeutic Advances in Respiratory Disease</i> , 2012 , 6, 79-85	4.9	48
97	Ultra-deep pyrosequencing detects conserved genomic sites and quantifies linkage of drug-resistant amino acid changes in the hepatitis B virus genome. <i>PLoS ONE</i> , 2012 , 7, e37874	3.7	48
96	Inference with viral quasispecies diversity indices: clonal and NGS approaches. <i>Bioinformatics</i> , 2014 , 30, 1104-1111	7.2	46
95	A comparative study of ultra-deep pyrosequencing and cloning to quantitatively analyze the viral quasispecies using hepatitis B virus infection as a model. <i>Antiviral Research</i> , 2013 , 98, 273-83	10.8	45
94	Rapid detection of lamivudine-resistant hepatitis B virus polymerase gene variants. <i>Journal of Virological Methods</i> , 1999 , 83, 181-7	2.6	43
93	Selection of the highly replicative and partially multidrug resistant rtS78T HBV polymerase mutation during TDF-ETV combination therapy. <i>Journal of Hepatology</i> , 2017 , 67, 246-254	13.4	41
92	Ultra-deep pyrosequencing analysis of the hepatitis B virus preCore region and main catalytic motif of the viral polymerase in the same viral genome. <i>Nucleic Acids Research</i> , 2011 , 39, 8457-71	20.1	40

91	Genetic alterations in the S gene of hepatitis B virus in patients with acute hepatitis B, chronic hepatitis B and hepatitis B liver cirrhosis before and after liver transplantation. <i>Liver International</i> , 1999 , 19, 177-82	7.9	39
90	Hepatitis B virus genome variability and disease progression: the impact of pre-core mutants and HBV genotypes. <i>Journal of Clinical Virology</i> , 2005 , 34 Suppl 1, S79-82	14.5	38
89	The value of quantitative detection of HBV-DNA amplified by PCR in the study of hepatitis B infection. <i>Journal of Hepatology</i> , 1996 , 24, 680-5	13.4	38
88	Usefulness of dried blood samples for quantification and molecular characterization of HBV-DNA. <i>Hepatology</i> , 2004 , 40, 133-9	11.2	37
87	Naturally occurring SARS-CoV-2 gene deletions close to the spike S1/S2 cleavage site in the viral quasispecies of COVID19 patients. <i>Emerging Microbes and Infections</i> , 2020 , 9, 1900-1911	18.9	36
86	Analysis of hepatitis B genotype changes in chronic hepatitis B infection: Influence of antiviral therapy. <i>Journal of Hepatology</i> , 2008 , 49, 695-701	13.4	33
85	Cirrhosis, liver transplantation and HIV infection are risk factors associated with hepatitis E virus infection. <i>PLoS ONE</i> , 2014 , 9, e103028	3.7	33
84	Successful use of entecavir for a severe case of reactivation of hepatitis B virus following polychemotherapy containing rituximab. <i>Journal of Hepatology</i> , 2009 , 51, 1091-6	13.4	32
83	A new HDV mouse model identifies mitochondrial antiviral signaling protein (MAVS) as a key player in IFN- γ induction. <i>Journal of Hepatology</i> , 2017 , 67, 669-679	13.4	31
82	Severe alpha-1 antitrypsin deficiency in composite heterozygotes inheriting a new splicing mutation QOMadrid. <i>Respiratory Research</i> , 2014 , 15, 125	7.3	31
81	Transient emergence of hepatitis B variants in a patient with chronic hepatitis B resistant to lamivudine. <i>Journal of Hepatology</i> , 1998 , 28, 510-3	13.4	31
80	Hepatitis E virus infection in acute hepatitis in Spain. <i>Journal of Virological Methods</i> , 1995 , 55, 49-54	2.6	31
79	Quasispecies structure, cornerstone of hepatitis B virus infection: mass sequencing approach. <i>World Journal of Gastroenterology</i> , 2013 , 19, 6995-7023	5.6	31
78	Red blood cell transfusion-transmitted acute hepatitis E in an immunocompetent subject in Europe: a case report. <i>Transfusion</i> , 2017 , 57, 244-247	2.9	30
77	Chronic delta hepatitis: detection of hepatitis delta virus antigen in serum by immunoblot and correlation with other markers of delta viral replication. <i>Hepatology</i> , 1989 , 10, 907-10	11.2	26
76	Clinical application of estimating hepatitis B virus quasispecies complexity by massive sequencing: correlation between natural evolution and on-treatment evolution. <i>PLoS ONE</i> , 2014 , 9, e112306	3.7	24
75	Immunogenicity of hepatitis B vaccine in patients with inflammatory bowel disease and the benefits of revaccination. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015 , 30, 92-8	4	22
74	Hepatitis C virus Core Antigen as a predictor of non-response in genotype 1 chronic hepatitis C patients treated with peginterferon alpha-2b plus ribavirin. <i>Journal of Hepatology</i> , 2004 , 40, 527-32	13.4	22

73	Hepatitis B virus: The challenge of an ancient virus with multiple faces and a remarkable replication strategy. <i>Antiviral Research</i> , 2018 , 158, 34-44	10.8	21
72	Etiology of acute sporadic hepatitis in Spain: the role of hepatitis C and E viruses. <i>Journal of Hepatology</i> , 1994 , 20, 589-92	13.4	21
71	Spanish Registry of Patients With Alpha-1 Antitrypsin Deficiency: Database Evaluation and Population Analysis. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 13-18	0.7	20
70	Deep-sequencing reveals broad subtype-specific HCV resistance mutations associated with treatment failure. <i>Antiviral Research</i> , 2020 , 174, 104694	10.8	20
69	Baseline hepatitis C virus resistance-associated substitutions present at frequencies lower than 15% may be clinically significant. <i>Infection and Drug Resistance</i> , 2018 , 11, 2207-2210	4.2	20
68	Gene and miRNA expression profiles in PBMCs from patients with severe and mild emphysema and PiZZ alpha1-antitrypsin deficiency. <i>International Journal of COPD</i> , 2017 , 12, 3381-3390	3	19
67	Response-guided therapy for chronic hepatitis C virus infection in patients coinfecting with HIV: a pilot trial. <i>Clinical Infectious Diseases</i> , 2009 , 48, 1152-9	11.6	19
66	Pipeline for specific subtype amplification and drug resistance detection in hepatitis C virus. <i>BMC Infectious Diseases</i> , 2018 , 18, 446	4	19
65	Sofosbuvir and daclatasvir in mono- and HIV-coinfecting patients with recurrent hepatitis C after liver transplant. <i>Annals of Hepatology</i> , 2017 , 16, 86-93	3.1	18
64	Detection of hepatitis B virus DNA in human serum samples: use of digoxigenin-labeled oligonucleotides as modified primers for the polymerase chain reaction. <i>Analytical Biochemistry</i> , 1992 , 206, 36-42	3.1	17
63	Characterization of Novel Missense Variants of SERPINA1 Gene Causing Alpha-1 Antitrypsin Deficiency. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 706-716	5.7	16
62	Assessment of a Novel Automatic Real-Time PCR Assay on the Cobas 4800 Analyzer as a Screening Platform for Hepatitis C Virus Genotyping in Clinical Practice: Comparison with Massive Sequencing. <i>Journal of Clinical Microbiology</i> , 2017 , 55, 504-509	9.7	15
61	Emphysema due to alpha-antitrypsin deficiency: familial study of the YBARCELONA variant. <i>Chest</i> , 2003 , 124, 404-6	5.3	15
60	Molecular epidemiology and putative origin of hepatitis C virus in random volunteers from Argentina. <i>World Journal of Gastroenterology</i> , 2013 , 19, 5813-27	5.6	15
59	Viral and immune factors associated with successful treatment withdrawal in HBeAg-negative chronic hepatitis B patients. <i>Journal of Hepatology</i> , 2021 , 74, 1064-1074	13.4	15
58	Deep sequencing in the management of hepatitis virus infections. <i>Virus Research</i> , 2017 , 239, 115-125	6.4	14
57	Amino Acid Substitutions within HLA-B*27-Restricted T Cell Epitopes Prevent Recognition by Hepatitis Delta Virus-Specific CD8 T Cells. <i>Journal of Virology</i> , 2018 , 92,	6.6	14
56	Evidence of an Exponential Decay Pattern of the Hepatitis Delta Virus Evolution Rate and Fluctuations in Quasispecies Complexity in Long-Term Studies of Chronic Delta Infection. <i>PLoS ONE</i> , 2016 , 11, e0158557	3.7	14

55	Quasispecies dynamics in main core epitopes of hepatitis B virus by ultra-deep-pyrosequencing. <i>World Journal of Gastroenterology</i> , 2012 , 18, 6096-105	5.6	14
54	Rapid detection of Mmalton α -antitrypsin deficiency allele by real-time PCR and melting curves in whole blood, serum and dried blood spot samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 241-8	5.9	13
53	Tenofovir discontinuation after long-term viral suppression in HBeAg negative chronic hepatitis B. Can HBsAg levels be useful?. <i>Journal of Clinical Virology</i> , 2015 , 68, 61-8	14.5	13
52	Clinical significance of two forms of IgM antibody to hepatitis delta virus. <i>Hepatology</i> , 1991 , 14, 25-8	11.2	13
51	Real world evaluation of a novel lateral flow assay (AlphaKit α QuickScreen) for the detection of alpha-1-antitrypsin deficiency. <i>Respiratory Research</i> , 2018 , 19, 151	7.3	11
50	Relevance of a full-length genomic RNA standard and a thermal-shock step for optimal hepatitis delta virus quantification. <i>Journal of Clinical Microbiology</i> , 2014 , 52, 3334-8	9.7	11
49	Characterization of the new alpha-1-antitrypsin-deficient PI M-type allele, PI M(vall dHebron) (Pro(369) \rightarrow Ser). <i>Human Heredity</i> , 2000 , 50, 320-1	1.1	11
48	HBV core region variability: effect of antiviral treatments on main epitopic regions. <i>Antiviral Therapy</i> , 2011 , 16, 37-49	1.6	11
47	Detection of hyper-conserved regions in hepatitis B virus X gene potentially useful for gene therapy. <i>World Journal of Gastroenterology</i> , 2018 , 24, 2095-2107	5.6	10
46	Identification of host and viral factors involved in a dissimilar resolution of a hepatitis C virus infection. <i>Liver International</i> , 2014 , 34, 896-906	7.9	9
45	Use of the novel INNO-LiPA line probe assay for detection of hepatitis B virus variants that confer resistance to entecavir therapy. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 485-8	9.7	9
44	Application of a diagnostic algorithm for the rare deficient variant Mmalton of alpha-1-antitrypsin deficiency: a new approach. <i>International Journal of COPD</i> , 2016 , 11, 2535-2541	3	9
43	Quantitative characterization of hepatitis delta virus genome edition by next-generation sequencing. <i>Virus Research</i> , 2018 , 243, 52-59	6.4	8
42	Complex Genotype Mixtures Analyzed by Deep Sequencing in Two Different Regions of Hepatitis B Virus. <i>PLoS ONE</i> , 2015 , 10, e0144816	3.7	8
41	Analysis of hepatitis B virus preS1 variability and prevalence of the rs2296651 polymorphism in a Spanish population. <i>World Journal of Gastroenterology</i> , 2018 , 24, 680-692	5.6	8
40	Quasispecies dynamics in hepatitis C liver transplant recipients receiving grafts from hepatitis C virus infected donors. <i>Journal of General Virology</i> , 2015 , 96, 3493-3498	4.9	8
39	Treatment of chronic type D hepatitis and concomitant human immunodeficiency infection with alpha-interferon. <i>Journal of Hepatology</i> , 1992 , 14, 412-3	13.4	7
38	Detection of hepatitis B precore mutants by the fluorescent linear polymerase chain reaction sequencing method. <i>Journal of Hepatology</i> , 1994 , 21, 934-9	13.4	6

37	New hepatitis C virus genotype 1 subtype naturally harbouring resistance-associated mutations to NS5A inhibitors. <i>Journal of General Virology</i> , 2018 , 99, 97-102	4.9	6
36	Significant Improvement in Diagnosis of Hepatitis C Virus Infection by a One-Step Strategy in a Central Laboratory: an Optimal Tool for Hepatitis C Elimination?. <i>Journal of Clinical Microbiology</i> , 2019 , 58,	9.7	6
35	Genetic diagnosis of α -antitrypsin deficiency using DNA from buccal swab and serum samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 1276-1283	5.9	5
34	Deep-sequencing study of HCV G4a resistance-associated substitutions in Egyptian patients failing DAA treatment. <i>Infection and Drug Resistance</i> , 2019 , 12, 2799-2807	4.2	5
33	Twelve-week posttreatment follow-up to predict sustained virologic response for recurrent hepatitis C infection in liver recipients. <i>Transplantation</i> , 2012 , 93, 450-3	1.8	5
32	New real-time-PCR method to identify single point mutations in hepatitis C virus. <i>World Journal of Gastroenterology</i> , 2016 , 22, 9604-9612	5.6	5
31	Reflex viral load testing in dried blood spots generated by plasma separation card allows the screening and diagnosis of chronic viral hepatitis. <i>Journal of Virological Methods</i> , 2021 , 289, 114039	2.6	5
30	α -Antitrypsin in fibromyalgia: results of a randomized, placebo-controlled, double-blind and crossover pilot trial. <i>Musculoskeletal Care</i> , 2012 , 10, 178-83	1.6	4
29	Conservation and variability of hepatitis B core at different chronic hepatitis stages. <i>World Journal of Gastroenterology</i> , 2020 , 26, 2584-2598	5.6	4
28	One-quarter of chronic hepatitis D patients reach HDV-RNA decline or undetectability during the natural course of the disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2021 , 54, 462-469	6.1	4
27	Host-dependent editing of SARS-CoV-2 in COVID-19 patients. <i>Emerging Microbes and Infections</i> , 2021 , 10, 1777-1789	18.9	4
26	Indications for Active Case Searches and Intravenous Alpha-1 Antitrypsin Treatment for Patients With Alpha-1 Antitrypsin Deficiency Chronic Pulmonary Obstructive Disease: An Update. <i>Archivos De Bronconeumología</i> , 2015 , 51, 185-192	0.7	3
25	Infrequent detection of hepatitis E virus RNA in pregnant women with hepatitis E virus antibodies in Spain. <i>Liver International</i> , 2010 , 30, 1549-51	7.9	3
24	Redetection of HBV lamivudine-resistant mutations in a patient under entecavir therapy, who had been treated sequentially with nucleos(t)ide analogues. <i>Journal of Medical Virology</i> , 2007 , 79, 1671-3	19.7	3
23	Rapid screening of the Cys282Tyr and His63Asp mutations in the HFE gene. <i>Journal of Hepatology</i> , 2000 , 32, 362-3	13.4	3
22	Characterization of hepatitis B virus X gene quasispecies complexity in mono-infection and hepatitis delta virus superinfection. <i>World Journal of Gastroenterology</i> , 2019 , 25, 1566-1579	5.6	3
21	Utility of Transient Elastography for the Screening of Liver Disease in Patients with Alpha1-Antitrypsin Deficiency. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
20	Next-generation sequencing for the diagnosis of hepatitis B: current status and future prospects. <i>Expert Review of Molecular Diagnostics</i> , 2021 , 21, 381-396	3.8	3

19	Viral Load Measurements in Individuals with Hepatitis C Virus Infection: on the European Association for the Study of the Liver Recommendations on Treatment of Hepatitis C 2018. <i>Journal of Clinical Microbiology</i> , 2019 , 58,	9.7	3
18	Next-Generation Sequencing for Confronting Virus Pandemics.. <i>Viruses</i> , 2022 , 14,	6.2	3
17	Spanish Registry of Patients With Alpha-1 Antitrypsin Deficiency: Database Evaluation and Population Analysis. <i>Archivos De Bronconeumologia</i> , 2017 , 53, 13-18	0.7	2
16	Whole-genome characterization and resistance-associated substitutions in a new HCV genotype 1 subtype. <i>Infection and Drug Resistance</i> , 2019 , 12, 947-955	4.2	2
15	Resistance-associated substitutions after sofosbuvir/velpatasvir/voxilaprevir triple therapy failure. <i>Journal of Viral Hepatitis</i> , 2021 , 28, 1319-1324	3.4	2
14	Etiologies and Features of Acute Viral Hepatitis in Spain. <i>Clinical Gastroenterology and Hepatology</i> , 2021 , 19, 1030-1037	6.9	2
13	Trends in Diagnosis of Alpha-1 Antitrypsin Deficiency Between 2015 and 2019 in a Reference Laboratory. <i>International Journal of COPD</i> , 2020 , 15, 2421-2431	3	1
12	Applicability of real-time PCR combined with melting curve analysis for the study of hepatitis B virus genome mutations. <i>Hepatology</i> , 2003 , 37, 478-9; author reply 479-80	11.2	1
11	Letter to the Editor: standardization of HBV RNA assay for the different phases of chronic hepatitis B is essential. <i>Hepatology</i> , 2021 ,	11.2	1
10	Sophisticated viral quasispecies with a genotype-related pattern of mutations in the hepatitis B X gene of HBeAg-ve chronically infected patients. <i>Scientific Reports</i> , 2021 , 11, 4215	4.9	1
9	Utility of the Cobas Plasma Separation Card as a Sample Collection Device for Serological and Virological Diagnosis of Hepatitis C Virus Infection. <i>Diagnostics</i> , 2021 , 11,	3.8	1
8	HDV evolution-will viral resistance be an issue in HDV infection?. <i>Current Opinion in Virology</i> , 2018 , 32, 100-107	7.5	1
7	A novel model of care for simplified testing of HBV in African communities during the COVID-19 pandemic in Spain. <i>Scientific Reports</i> , 2021 , 11, 17063	4.9	1
6	Recovery of serum testosterone levels is an accurate predictor of survival from COVID-19 in male patients.. <i>BMC Medicine</i> , 2022 , 20, 129	11.4	1
5	Influence of Type 2 Diabetes in the Association of PNPLA3 rs738409 and TM6SF2 rs58542926 Polymorphisms in NASH Advanced Liver Fibrosis. <i>Biomedicines</i> , 2022 , 10, 1015	4.8	1
4	Indirect determination of biochemistry reference intervals using outpatient data.. <i>PLoS ONE</i> , 2022 , 17, e0268522	3.7	1
3	Hepatitis B Virus Variants with Multiple Insertions and/or Deletions in the X Open Reading Frame 3' End: Common Members of Viral Quasispecies in Chronic Hepatitis B Patients. <i>Biomedicines</i> , 2022 , 10, 1194	4.8	1
2	Cross-sectional evaluation of circulating hepatitis B virus RNA and DNA: Different quasispecies?. <i>World Journal of Gastroenterology</i> , 2021 , 27, 7144-7158	5.6	0

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