

Jesus F Bermejo-Martin

List of Publications by Year in descending order

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Version: 2024-02-01

132
papers

6,287
citations

87401

40
h-index

90395

73
g-index

145
all docs

145
docs citations

145
times ranked

10905
citing authors

#	ARTICLE	IF	CITATIONS
1	Low anti-SARS-CoV-2 S antibody levels predict increased mortality and dissemination of viral components in the blood of critical COVID-19 patients. <i>Journal of Internal Medicine</i> , 2022, 291, 232-240.	2.7	21
2	One-year mortality after ICU admission due to COVID-19 infection. <i>Intensive Care Medicine</i> , 2022, 48, 366-368.	3.9	18
3	Digital PCR applications for the diagnosis and management of infection in critical care medicine. <i>Critical Care</i> , 2022, 26, 63.	2.5	17
4	ICU-Acquired Pneumonia Is Associated with Poor Health Post-COVID-19 Syndrome. <i>Journal of Clinical Medicine</i> , 2022, 11, 224.	1.0	12
5	Proteomic profiling of lung diffusion impairment in the recovery stage of SARS-CoV-2-induced ARDS. <i>Clinical and Translational Medicine</i> , 2022, 12, e838.	1.7	6
6	Identification of circulating microRNA profiles associated with pulmonary function and radiologic features in survivors of SARS-CoV-2-induced ARDS. <i>Emerging Microbes and Infections</i> , 2022, 11, 1537-1549.	3.0	15
7	Prognostic implications of comorbidity patterns in critically ill COVID-19 patients: A multicenter, observational study. <i>Lancet Regional Health - Europe</i> , The, 2022, 18, 100422.	3.0	6
8	COVID-19: What type of cytokine storm are we dealing with?. <i>Journal of Medical Virology</i> , 2021, 93, 197-198.	2.5	14
9	Comparison of real-time and droplet digital PCR to detect and quantify SARS-CoV-2 RNA in plasma. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13501.	1.7	20
10	Mounting evidence of impaired viral control in severe COVID-19. <i>Lancet Microbe</i> , The, 2021, 2, e228-e229.	3.4	11
11	A host transcriptomic signature for identification of respiratory viral infections in the community. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13626.	1.7	2
12	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, 622-642.	5.2	371
13	Combining immunomodulators and antivirals for COVID-19 – Authors' reply. <i>Lancet Microbe</i> , The, 2021, 2, e234.	3.4	0
14	Pulmonary Function and Radiologic Features in Survivors of Critical COVID-19. <i>Chest</i> , 2021, 160, 187-198.	0.4	164
15	The evolution of the ventilatory ratio is a prognostic factor in mechanically ventilated COVID-19 ARDS patients. <i>Critical Care</i> , 2021, 25, 331.	2.5	23
16	Circulating microRNA profiles predict the severity of COVID-19 in hospitalized patients. <i>Translational Research</i> , 2021, 236, 147-159.	2.2	91
17	Viral RNA load in plasma is associated with critical illness and a dysregulated host response in COVID-19. <i>Critical Care</i> , 2020, 24, 691.	2.5	185
18	COVID-19 as a cardiovascular disease: the potential role of chronic endothelial dysfunction. <i>Cardiovascular Research</i> , 2020, 116, e132-e133.	1.8	68

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19	Endothelial dysfunction is an early indicator of sepsis and neutrophil degranulation of septic shock in surgical patients. <i>BJS Open</i> , 2020, 4, 524-534.	0.7	24
20	Tolerance versus resistance to infection in sepsis – Authors’ reply. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 281-282.	4.6	0
21	Lymphopenic community acquired pneumonia as signature of severe COVID-19 infection. <i>Journal of Infection</i> , 2020, 80, e23-e24.	1.7	89
22	MR-proADM to detect specific types of organ failure in infection. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13246.	1.7	14
23	A DNA Vaccine Delivery Platform Based on Elastin-Like Recombinamer Nanosystems for Rift Valley Fever Virus. <i>Molecular Pharmaceutics</i> , 2020, 17, 1608-1620.	2.3	13
24	As COVID-19 cases, deaths and fatality rates surge in Italy, underlying causes require investigation. <i>Journal of Infection in Developing Countries</i> , 2020, 14, 265-267.	0.5	77
25	Current gaps in sepsis immunology: new opportunities for translational research. <i>Lancet Infectious Diseases</i> , The, 2019, 19, e422-e436.	4.6	205
26	Simultaneous Depression of Immunological Synapse and Endothelial Injury is Associated with Organ Dysfunction in Community-Acquired Pneumonia. <i>Journal of Clinical Medicine</i> , 2019, 8, 1404.	1.0	16
27	Lymphocytopenia as a Predictor of Mortality in Patients with ICU-Acquired Pneumonia. <i>Journal of Clinical Medicine</i> , 2019, 8, 843.	1.0	27
28	Impact of Lymphocyte and Neutrophil Counts on Mortality Risk in Severe Community-Acquired Pneumonia with or without Septic Shock. <i>Journal of Clinical Medicine</i> , 2019, 8, 754.	1.0	22
29	Composed endotypes to guide antibiotic discontinuation in sepsis. <i>Critical Care</i> , 2019, 23, 140.	2.5	1
30	Lymphopenic community-acquired pneumonia is associated with a dysregulated immune response and increased severity and mortality. <i>Journal of Infection</i> , 2019, 78, 423-431.	1.7	45
31	Lymphopenic hospital acquired sepsis (L-HAS): An immunological phenotype conferring higher risk of mortality. <i>Medicina Intensiva</i> , 2019, 43, 510-512.	0.4	2
32	Quantification of Immune Dysregulation by Next-generation Polymerase Chain Reaction to Improve Sepsis Diagnosis in Surgical Patients. <i>Annals of Surgery</i> , 2019, 269, 545-553.	2.1	47
33	A community approach to mortality prediction in sepsis via gene expression analysis. <i>Nature Communications</i> , 2018, 9, 694.	5.8	178
34	Unsupervised Analysis of Transcriptomics in Bacterial Sepsis Across Multiple Datasets Reveals Three Robust Clusters. <i>Critical Care Medicine</i> , 2018, 46, 915-925.	0.4	219
35	Pre-sepsis: A necessary concept to complete the SEPSIS-3 picture?. <i>Journal of Critical Care</i> , 2018, 44, 148.	1.0	12
36	Clinical factors influencing mortality risk in hospital-acquired sepsis. <i>Journal of Hospital Infection</i> , 2018, 98, 194-201.	1.4	15

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37	Shared Features of Endothelial Dysfunction between Sepsis and Its Preceding Risk Factors (Aging and Tj ETQq1 1 0.784314 ggBT /Overl	1.0	94
38	New Organ Failure as an Alternative Endpoint to Develop Diagnostic Criteria for Sepsis. Chest, 2018, 153, 1278.	0.4	6
39	Combined quantification of procalcitonin and HLA-DR improves sepsis detection in surgical patients. Scientific Reports, 2018, 8, 11999.	1.6	15
40	Transcriptomic depression of immunological synapse as a signature of ventilator-associated pneumonia. Annals of Translational Medicine, 2018, 6, 415-415.	0.7	11
41	Characterizing Systemic Immune Dysfunction Syndrome to Fill in the Gaps of SEPSIS-2 and SEPSIS-3 Definitions. Chest, 2017, 151, 518-519.	0.4	8
42	Superior accuracy of mid-regional proadrenomedullin for mortality prediction in sepsis with varying levels of illness severity. Annals of Intensive Care, 2017, 7, 15.	2.2	72
43	The protective association of endogenous immunoglobulins against sepsis mortality is restricted to patients with moderate organ failure. Annals of Intensive Care, 2017, 7, 44.	2.2	33
44	Lymphopenic Community Acquired Pneumonia (L-CAP), an Immunological Phenotype Associated with Higher Risk of Mortality. EBioMedicine, 2017, 24, 231-236.	2.7	69
45	Immunological profiling to assess disease severity and prognosis in community-acquired pneumonia. Lancet Respiratory Medicine, the, 2017, 5, e35-e36.	5.2	22
46	Pulmonary transcriptomic responses indicate a dual role of inflammation in pneumonia development and viral clearance during 2009 pandemic influenza infection. PeerJ, 2017, 5, e3915.	0.9	7
47	Postbooster Antibodies from Humans as Source of Diphtheria Antitoxin. Emerging Infectious Diseases, 2016, 22, 1265-1267.	2.0	6
48	IgG2 as an independent risk factor for mortality in patients with community-acquired pneumonia. Journal of Critical Care, 2016, 35, 115-119.	1.0	19
49	Impact of ventilator-associated pneumonia on mortality and epidemiological features of patients with secondary peritonitis. Annals of Intensive Care, 2016, 6, 34.	2.2	11
50	ISG15 Is Upregulated in Respiratory Syncytial Virus Infection and Reduces Virus Growth through Protein ISGylation. Journal of Virology, 2016, 90, 3428-3438.	1.5	56
51	Procalcitonin cannot be used as a biomarker of infection in heart surgery patients with acute kidney injury. Journal of Critical Care, 2016, 33, 233-239.	1.0	23
52	Probable Hospital Cluster of H7N9 Influenza Infection. New England Journal of Medicine, 2016, 374, 596-598.	13.9	23
53	Defining immunological dysfunction in sepsis: A requisite tool for precision medicine. Journal of Infection, 2016, 72, 525-536.	1.7	74
54	Predicting cardiac surgery-associated acute kidney injury: The CRATE score. Journal of Critical Care, 2016, 31, 130-138.	1.0	43

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55	Component-resolved diagnostics in vernal conjunctivitis. <i>Annals of Allergy, Asthma and Immunology</i> , 2015, 115, 446-450.	0.5	4
56	Endogenous IgG hypogammaglobulinaemia in critically ill adults with sepsis: systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2015, 41, 1393-1401.	3.9	57
57	Sustained value of proadrenomedullin as mortality predictor in severe sepsis. <i>Journal of Infection</i> , 2015, 71, 136-139.	1.7	16
58	Preventing sepsis. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 1259-1260.	4.6	6
59	Endogenous immunoglobulins and sepsis: New perspectives for guiding replacement therapies. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, S25-S28.	1.1	29
60	Improvement of fatigue in multiple sclerosis by physical exercise is associated to modulation of systemic interferon response. <i>Journal of Neuroimmunology</i> , 2015, 280, 8-11.	1.1	18
61	The original sins of clinical trials with intravenous immunoglobulins in sepsis. <i>Critical Care</i> , 2015, 19, 90.	2.5	25
62	Transcriptomic correlates of organ failure extent in sepsis. <i>Journal of Infection</i> , 2015, 70, 445-456.	1.7	81
63	Mitochondrial DNA haplogroups are associated with severe sepsis and mortality in patients who underwent major surgery. <i>Journal of Infection</i> , 2015, 70, 20-29.	1.7	17
64	Evidence of Active Pro-Fibrotic Response in Blood of Patients with Cirrhosis. <i>PLoS ONE</i> , 2015, 10, e0137128.	1.1	13
65	Relationship between European Mitochondrial Haplogroups and Chronic Renal Allograft Rejection in Patients with Kidney Transplant. <i>International Journal of Medical Sciences</i> , 2014, 11, 1129-1132.	1.1	3
66	Inflammation and Infection in Critical Care Medicine. <i>Mediators of Inflammation</i> , 2014, 2014, 1-2.	1.4	7
67	Hyperimmune serum from healthy vaccinated individuals for Ebola virus disease?. <i>The Lancet Global Health</i> , 2014, 2, e686.	2.9	4
68	Cytokine profiles linked to fatal outcome in infective prosthetic valve endocarditis. <i>Apmis</i> , 2014, 122, 526-529.	0.9	9
69	Immunoglobulins IgG1, IgM and IgA: a synergistic team influencing survival in sepsis. <i>Journal of Internal Medicine</i> , 2014, 276, 404-412.	2.7	78
70	Immune response to influenza A(H1N1)v in HIV-infected patients. <i>Journal of Infection in Developing Countries</i> , 2014, 8, 101-109.	0.5	4
71	Transcriptomic evidence of impaired immunoglobulin G production in fatal septic shock. <i>Journal of Critical Care</i> , 2014, 29, 307-309.	1.0	15
72	Circulating neutrophil counts and mortality in septic shock. <i>Critical Care</i> , 2014, 18, 407.	2.5	38

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73	IgA level in plasma as a differential factor for influenza infection in severe viral pneumonia. <i>Journal of Clinical Virology</i> , 2014, 59, 135-136.	1.6	2
74	Quantification of IgM molecular response by droplet digital PCR as a potential tool for the early diagnosis of sepsis. <i>Critical Care</i> , 2014, 18, 433.	2.5	12
75	Immunoinformatics and Systems Biology in Personalized Medicine. <i>Methods in Molecular Biology</i> , 2014, 1184, 457-475.	0.4	1
76	Macrolide-based regimens in absence of bacterial co-infection in critically ill H1N1 patients with primary viral pneumonia. <i>Intensive Care Medicine</i> , 2013, 39, 693-702.	3.9	43
77	IL-8 and mortality prediction in post-surgical septic shock. <i>Apmis</i> , 2013, 121, 463-465.	0.9	1
78	Immunological monitoring to prevent and treat sepsis. <i>Critical Care</i> , 2013, 17, 109.	2.5	21
79	Immunomodulatory Nanoparticles from Elastin-Like Recombinamers: Single-Molecules for Tuberculosis Vaccine Development. <i>Molecular Pharmaceutics</i> , 2013, 10, 586-597.	2.3	48
80	IgM levels in plasma predict outcome in severe pandemic influenza. <i>Journal of Clinical Virology</i> , 2013, 58, 564-567.	1.6	30
81	Early levels in blood of immunoglobulin M and natural killer cells predict outcome in nonseptic critically ill patients. <i>Journal of Critical Care</i> , 2013, 28, 1110.e7-1110.e10.	1.0	20
82	Interleukin 28B rs12979860 (CT/TT) Genotype Is Associated with Milder Hepatic Damage in the Natural Evolution of HCV/HIV Coinfection. <i>Journal of Interferon and Cytokine Research</i> , 2013, 33, 43-47.	0.5	3
83	Weakened immunity in aged hosts with comorbidities as a risk factor for the emergence of influenza A H7N9 mutants. <i>Journal of Infection in Developing Countries</i> , 2013, 7, 497-498.	0.5	8
84	Breast feeding and early life immunomodulation. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 690-691.	1.1	4
85	Immunopathogenesis of 2009 pandemic influenza. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2012, 30, 18-24.	0.3	9
86	A combined score of pro- and anti-inflammatory interleukins improves mortality prediction in severe sepsis. <i>Cytokine</i> , 2012, 57, 332-336.	1.4	139
87	Genetic polymorphisms located in TGFB1, AGTR1, and VEGFA genes are associated to chronic renal allograft dysfunction. <i>Cytokine</i> , 2012, 58, 321-326.	1.4	17
88	Genetic polymorphisms located in genes related to immune and inflammatory processes are associated with end-stage renal disease: a preliminary study. <i>BMC Medical Genetics</i> , 2012, 13, 58.	2.1	9
89	Critical COPD respiratory illness is linked to increased transcriptomic activity of neutrophil proteases genes. <i>BMC Research Notes</i> , 2012, 5, 401.	0.6	31
90	Viral Infection is Associated with an Increased Proinflammatory Response in Chronic Obstructive Pulmonary Disease. <i>Viral Immunology</i> , 2012, 25, 249-253.	0.6	22

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91	Evolution of neutrophil apoptosis in septic shock survivors and nonsurvivors. <i>Journal of Critical Care</i> , 2012, 27, 415.e1-415.e11.	1.0	40
92	Beneficial role of endogenous immunoglobulin subclasses and isotypes in septic shock. <i>Journal of Critical Care</i> , 2012, 27, 616-622.	1.0	33
93	MCP-1 in urine as biomarker of disease activity in Systemic Lupus Erythematosus. <i>Cytokine</i> , 2012, 60, 583-586.	1.4	28
94	Intubated patients developing tracheobronchitis or pneumonia have distinctive complement system gene expression signatures in the pre-infection period: A pilot study. <i>Medicina Intensiva</i> , 2012, 36, 257-263.	0.4	22
95	Ventilator-associated pneumonia is an important risk factor for mortality after major cardiac surgery. <i>Journal of Critical Care</i> , 2012, 27, 18-25.	1.0	56
96	Host and environmental factors influencing respiratory secretion of proinflammatory wheezing biomarkers in preterm children. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 441-447.	1.1	17
97	Interleukin-6 Is a Potential Biomarker for Severe Pandemic H1N1 Influenza A Infection. <i>PLoS ONE</i> , 2012, 7, e38214.	1.1	122
98	Imbalanced pro- and anti-Th17 responses (IL-17/granulocyte colony-stimulating factor) predict fatal outcome in 2009 pandemic influenza. <i>Critical Care</i> , 2011, 15, 448.	2.5	26
99	Early natural killer cell counts in blood predict mortality in severe sepsis. <i>Critical Care</i> , 2011, 15, R243.	2.5	85
100	H5 influenza haemagglutinin and cytokine profiles in cultured PBMCs from adults and children. <i>Immunologia (Barcelona, Spain: 1987)</i> , 2011, 30, 79-84.	0.1	1
101	Pandemic and post-pandemic Influenza A (H1N1) infection in critically ill patients. <i>Critical Care</i> , 2011, 15, R286.	2.5	56
102	Severe 2009 A/H1N1v influenza in pregnant women in Spain*. <i>Critical Care Medicine</i> , 2011, 39, 945-951.	0.4	40
103	Viral Infection, Adaptive Immunity, and COPD. <i>Clinical Pulmonary Medicine</i> , 2011, 18, 155-160.	0.3	0
104	Pro- and anti-inflammatory responses are regulated simultaneously from the first moments of septic shock. <i>European Cytokine Network</i> , 2011, 22, 82-87.	1.1	131
105	A new method for detection of pandemic influenza virus using High Resolution Melting analysis of the neuraminidase gene. <i>Journal of Virological Methods</i> , 2011, 171, 284-286.	1.0	17
106	Direct association between pharyngeal viral secretion and host cytokine response in severe pandemic influenza. <i>BMC Infectious Diseases</i> , 2011, 11, 232.	1.3	24
107	Host Response Cytokine Signatures in Viral and Nonviral Acute Exacerbations of Chronic Obstructive Pulmonary Disease. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 409-413.	0.5	30
108	Inflammatory Cytokine Expression Is Associated with Chikungunya Virus Resolution and Symptom Severity. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1279.	1.3	135

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109	Prolonged standard treatment for systemic lupus erythematosus fails to normalize the secretion of innate immunity-related chemokines. <i>European Cytokine Network</i> , 2010, 21, 71-76.	1.1	12
110	MCP-1 in urine as biomarker of renal lupus in absence of cytokines, interferon- β and growth factors. <i>Reumatología Clínica (English Edition)</i> , 2010, 6, 296-298.	0.2	2
111	Host adaptive immunity deficiency in severe pandemic influenza. <i>Critical Care</i> , 2010, 14, R167.	2.5	145
112	Increased Th1, Th17 and pro-fibrotic responses in hepatitis C-infected patients are down-regulated after 12 weeks of treatment with pegylated interferon plus ribavirin. <i>European Cytokine Network</i> , 2010, 21, 84-91.	1.1	31
113	Nasopharyngeal aspirate cytokine levels 1 year after severe respiratory syncytial virus infection. <i>Pediatric Allergy and Immunology</i> , 2009, 20, 791-795.	1.1	18
114	Th1 and Th17 hypercytokinemia as early host response signature in severe pandemic influenza. <i>Critical Care</i> , 2009, 13, R201.	2.5	316
115	Prepandemic influenza vaccines. <i>Lancet Infectious Diseases</i> , 2009, 9, 206-207.	4.6	0
116	Macrolides for the treatment of severe respiratory illness caused by novel H1N1 swine influenza viral strains. <i>Journal of Infection in Developing Countries</i> , 2009, 3, 159-61.	0.5	33
117	Higher constitutive IL15 expression and lower IL-15 response threshold in coeliac disease patients. <i>Clinical and Experimental Immunology</i> , 2008, 154, 64-73.	1.1	62
118	Human immunopathogenesis of severe acute respiratory syndrome (SARS). <i>Virus Research</i> , 2008, 133, 13-19.	1.1	305
119	Similar Cytokine Profiles in Response to Infection with Respiratory Syncytial Virus Type A and Type B in the Upper Respiratory Tract in Infants. <i>Intervirology</i> , 2008, 51, 112-115.	1.2	9
120	Gene Expression Analysis of Host Innate Immune Responses during Lethal H5N1 Infection in Ferrets. <i>Journal of Virology</i> , 2008, 82, 11308-11317.	1.5	181
121	Neuraminidase Antibodies and H5N1: Geographic-Dependent Influenza Epidemiology Could Determine Cross-Protection against Emerging Strains. <i>PLoS Medicine</i> , 2007, 4, e212.	3.9	5
122	Interferon-Mediated Immunopathological Events Are Associated with Atypical Innate and Adaptive Immune Responses in Patients with Severe Acute Respiratory Syndrome. <i>Journal of Virology</i> , 2007, 81, 8692-8706.	1.5	353
123	Analysis of Interaction between Dendriplexes and Bovine Serum Albumin. <i>Biomacromolecules</i> , 2007, 8, 2059-2062.	2.6	47
124	Water-soluble carbosilane dendrimers protect phosphorothioate oligonucleotides from binding to serum proteins. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1886-1893.	1.5	55
125	Persistence of proinflammatory response after severe respiratory syncytial virus disease in children. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 1547-1550.	1.5	19
126	Water-Soluble Carbosilane Dendrimers: Synthesis Biocompatibility and Complexation with Oligonucleotides; Evaluation for Medical Applications. <i>Chemistry - A European Journal</i> , 2007, 13, 483-495.	1.7	149

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127	Predominance of Th2 cytokines, CXC chemokines and innate immunity mediators at the mucosal level during severe respiratory syncytial virus infection in children. <i>European Cytokine Network</i> , 2007, 18, 162-7.	1.1	46
128	Novel Water-Soluble Carbosilane Dendrimers: Synthesis and Biocompatibility. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1388-1396.	1.0	64
129	Hypogammaglobulinemia after heart transplantation: use of intravenous immunoglobulin replacement therapy in relapsing CMV disease. <i>International Immunopharmacology</i> , 2005, 5, 97-101.	1.7	38
130	Severe Acute Respiratory Syndrome, a Pathological Immune Response to the New Coronavirusâ€”Implications for Understanding of Pathogenesis, Therapy, Design of Vaccines, and Epidemiology. <i>Viral Immunology</i> , 2004, 17, 535-544.	0.6	18
131	Severe Acute Respiratory Syndrome in children: a clue to better understanding the disease and advancing towards solutions. , 2004, 93, 856.		1
132	Macroamylasaemia, IgA Hypergammaglobulinaemia and Autoimmunity in a Patient with Down Syndrome and Coeliac Disease. <i>Scandinavian Journal of Gastroenterology</i> , 2003, 38, 445-447.	0.6	6