

Gary W Procop

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.

111
papers

3,286
citations

31
h-index

55
g-index

115
ext. papers

3,970
ext. citations

4.9
avg, IF

5.53
L-index

#	Paper	IF	Citations
111	Association of Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers With Testing Positive for Coronavirus Disease 2019 (COVID-19). <i>JAMA Cardiology</i> , 2020 , 5, 1020-1026	16.3	267
110	Molecular diagnostics of infectious diseases. <i>Clinical Chemistry</i> , 1997 , 43, 2021-2038	5.5	212
109	Validation of Metagenomic Next-Generation Sequencing Tests for Universal Pathogen Detection. <i>Archives of Pathology and Laboratory Medicine</i> , 2017 , 141, 776-786	5	204
108	Histologic features of zygomycosis: emphasis on perineural invasion and fungal morphology. <i>Archives of Pathology and Laboratory Medicine</i> , 2001 , 125, 375-8	5	142
107	Rapid identification of Staphylococcus aureus directly from blood cultures by fluorescence in situ hybridization with peptide nucleic acid probes. <i>Journal of Clinical Microbiology</i> , 2002 , 40, 247-51	9.7	141
106	North American paragonimiasis (Caused by Paragonimus kellicotti) in the context of global paragonimiasis. <i>Clinical Microbiology Reviews</i> , 2009 , 22, 415-46	34	112
105	Rapid identification of Staphylococcus aureus and the mecA gene from BacT/ALERT blood culture bottles by using the LightCycler system. <i>Journal of Clinical Microbiology</i> , 2002 , 40, 2659-61	9.7	100
104	Detection and differentiation of Mycobacterium tuberculosis and nontuberculous mycobacterial isolates by real-time PCR. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 5121-6	9.7	89
103	Practical Guidance for Clinical Microbiology Laboratories: Laboratory Diagnosis of Parasites from the Gastrointestinal Tract. <i>Clinical Microbiology Reviews</i> , 2018 , 31,	34	81
102	Improved detection of biofilm-formative bacteria by vortexing and sonication: a pilot study. <i>Clinical Orthopaedics and Related Research</i> , 2009 , 467, 1360-4	2.2	80
101	Molecular diagnostics for the detection and characterization of microbial pathogens. <i>Clinical Infectious Diseases</i> , 2007 , 45 Suppl 2, S99-S111	11.6	80
100	2010. Volatile Organic Compounds Patterns in Breath, Plasma, and Stool in Patients with Clostridium difficile Infection: A Cross-Sectional Proof of Concept Study. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S585-S585	1	78
99	2292. Comparison of Molecular Assays for the Diagnosis of Pertussis. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S679-S679	1	78
98	1810. Therapeutic Drug Monitoring of Azole Antifungals at an Academic Medical Center: Opportunities and Lessons Learned. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S513-S514	1	78
97	Antimicrobial susceptibility of Abiotrophia adiacens and Abiotrophia defectiva. <i>Diagnostic Microbiology and Infectious Disease</i> , 2000 , 38, 189-91	2.9	74
96	Molecular identification of bacteria from aseptically loose implants. <i>Clinical Orthopaedics and Related Research</i> , 2008 , 466, 1716-25	2.2	73
95	Correlation between viral loads of cytomegalovirus in blood and bronchoalveolar lavage specimens from lung transplant recipients determined by histology and immunohistochemistry. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 2168-72	9.7	72

94	A Direct Comparison of Enhanced Saliva to Nasopharyngeal Swab for the Detection of SARS-CoV-2 in Symptomatic Patients. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	59
93	Infectious disease pathology. <i>Clinical Infectious Diseases</i> , 2001 , 32, 1589-601	11.6	58
92	Prospective Clinical Study of Precision Oncology in Solid Tumors. <i>Journal of the National Cancer Institute</i> , 2015 , 108,	9.7	56
91	Duplicate laboratory test reduction using a clinical decision support tool. <i>American Journal of Clinical Pathology</i> , 2014 , 141, 718-23	1.9	52
90	Identification of Histoplasma capsulatum from culture extracts by real-time PCR. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 1295-8	9.7	50
89	Reducing duplicate testing: a comparison of two clinical decision support tools. <i>American Journal of Clinical Pathology</i> , 2015 , 143, 623-6	1.9	46
88	North American paragonimiasis. A case report. <i>Acta Cytologica</i> , 2000 , 44, 75-80	3	39
87	A molecular gram stain using broad range PCR and pyrosequencing technology: a potentially useful tool for diagnosing orthopaedic infections. <i>Diagnostic Molecular Pathology</i> , 2005 , 14, 83-9		37
86	Cytokeratin 20-negative Merkel cell carcinoma is infrequently associated with the Merkel cell polyomavirus. <i>Modern Pathology</i> , 2015 , 28, 498-504	9.8	36
85	The comparison of pyrosequencing molecular Gram stain, culture, and conventional Gram stain for diagnosing orthopaedic infections. <i>Journal of Orthopaedic Research</i> , 2006 , 24, 1641-9	3.8	36
84	Multicenter validation of the VITEK MS v2.0 MALDI-TOF mass spectrometry system for the identification of fastidious gram-negative bacteria. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014 , 78, 129-31	2.9	35
83	Cavitary mass lesion and recurrent pneumothoraces due to Paragonimus kellicotti infection: North American paragonimiasis. <i>American Journal of Surgical Pathology</i> , 2003 , 27, 1157-60	6.7	33
82	Comparison of five methods for extraction of Legionella pneumophila from respiratory specimens. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 5913-6	9.7	33
81	Improving Molecular Genetic Test Utilization through Order Restriction, Test Review, and Guidance. <i>Journal of Molecular Diagnostics</i> , 2015 , 17, 225-9	5.1	31
80	Solitary Nocardia farcinica brain abscess in an immunocompetent adult mimicking metastatic brain tumor: rapid diagnosis by pyrosequencing and successful treatment. <i>World Neurosurgery</i> , 2009 , 72, 74-9; discussion 79		29
79	Emerging fungal diseases: the importance of the host. <i>Clinics in Laboratory Medicine</i> , 2004 , 24, 691-719, vi-vii	2.1	29
78	Distribution of Transmission Potential During Nonsevere COVID-19 Illness. <i>Clinical Infectious Diseases</i> , 2020 , 71, 2927-2932	11.6	28
77	Experience With Rapid Microarray-Based Diagnostic Technology and Antimicrobial Stewardship for Patients With Gram-Positive Bacteremia. <i>Infection Control and Hospital Epidemiology</i> , 2016 , 37, 1361-1366	2	25

76	Broad-Range (Pan)SalmonellaandSalmonellaSerotype Typhiβspecific Real-Time PCR Assays. <i>American Journal of Clinical Pathology</i> , 2005 , 123, 339-345	1.9	25
75	The cytopathology of Actinomyces, Nocardia, and their mimickers. <i>Diagnostic Cytopathology</i> , 2017 , 45, 1105-1115	1.4	23
74	Histologic parameters predictive of mycobacterial infection. <i>American Journal of Clinical Pathology</i> , 1998 , 109, 331-4	1.9	23
73	Evaluation of the Alexon-trend ProSpecT Campylobacter microplate assay. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 3853-5	9.7	23
72	Dermatofibrosarcoma Protuberans: Update on the Diagnosis and Treatment. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	21
71	Detection of polyoma virus in brain tissue of patients with progressive multifocal leukoencephalopathy by real-time PCR and pyrosequencing. <i>Diagnostic Molecular Pathology</i> , 2004 , 13, 15-21		21
70	Cystic neutrophilic granulomatous mastitis: The Cleveland Clinic experience with diagnosis and management. <i>Breast Journal</i> , 2019 , 25, 80-85	1.2	21
69	Gastrointestinal infections. <i>Infectious Disease Clinics of North America</i> , 2001 , 15, 1073-108	6.5	20
68	Utility of PCR, Culture, and Antigen Detection Methods for Diagnosis of Legionellosis. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 3474-7	9.7	19
67	Transforming Laboratory Utilization Review into Laboratory Stewardship: Guidelines by the PLUGS National Committee for Laboratory Stewardship. <i>Journal of Applied Laboratory Medicine</i> , 2017 , 2, 259-268	2	19
66	Limiting false-positive polymerase chain reaction results: detection of DNA and mRNA to differentiate viable from dead bacteria. <i>Diagnostic Microbiology and Infectious Disease</i> , 2009 , 64, 445-7	2.9	19
65	Use of polymerase chain reaction for citrate synthase gene to diagnose Bartonella quintana endocarditis. <i>American Journal of Clinical Pathology</i> , 1999 , 112, 36-40	1.9	18
64	Varicella Zoster Virus and Large Vessel Vasculitis, the Absence of an Association. <i>Pathogens and Immunity</i> , 2017 , 2, 228-238	4.9	16
63	Ciliocytophthoria in clinical virology. <i>Archives of Pathology and Laboratory Medicine</i> , 2000 , 124, 1220-3	5	16
62	Implementation of a Stewardship Initiative on Respiratory Viral PCR-based Antibiotic Deescalation. <i>Pharmacotherapy</i> , 2019 , 39, 709-717	5.8	15
61	PCR: It Is Time to Make PCR the Test of Choice. <i>Open Forum Infectious Diseases</i> , 2017 , 4, ofx193	1	15
60	HIV and mycobacteria. <i>Seminars in Diagnostic Pathology</i> , 2017 , 34, 332-339	4.3	14
59	Acid-fast Smear and Histopathology Results Provide Guidance for the Appropriate Use of Broad-Range Polymerase Chain Reaction and Sequencing for Mycobacteria. <i>Archives of Pathology and Laboratory Medicine</i> , 2015 , 139, 1020-3	5	14

58	Outsourcing microbiology and offsite laboratories. Implications on patient care, cost savings, and graduate medical education. <i>Archives of Pathology and Laboratory Medicine</i> , 2003 , 127, 623-4	5	14
57	Genomic Epidemiology of SARS-CoV-2 Infection During the Initial Pandemic Wave and Association With Disease Severity. <i>JAMA Network Open</i> , 2021 , 4, e217746	10.4	13
56	Routine Broad-Range Fungal Polymerase Chain Reaction With DNA Sequencing in Patients With Suspected Mycoses Does Not Add Value and Is Not Cost-Effective. <i>Archives of Pathology and Laboratory Medicine</i> , 2019 , 143, 634-638	5	12
55	Histoplasma Urinary Antigen Testing Obviates the Need for Coincident Serum Antigen Testing. <i>American Journal of Clinical Pathology</i> , 2018 , 149, 362-368	1.9	11
54	Diagnosis of BK viral nephropathy in the renal allograft biopsy: role of fluorescence in situ hybridization. <i>Journal of Molecular Diagnostics</i> , 2012 , 14, 494-500	5.1	11
53	Does Pneumatic Tube System Transport Contribute to Hemolysis in ED Blood Samples?. <i>Western Journal of Emergency Medicine</i> , 2016 , 17, 557-60	3.3	11
52	Small intestinal histoplasmosis: successful treatment with itraconazole in an immunocompetent host. <i>Gastrointestinal Endoscopy</i> , 1996 , 43, 518-21	5.2	10
51	Secondary syphilis in HIV positive individuals: correlation with histopathologic findings, CD4 counts, and quantity of treponemes in microscopic sections. <i>Journal of Cutaneous Pathology</i> , 2016 , 43, 847-51	1.7	10
50	The combined rapid detection and species-level identification of yeasts in simulated blood culture using a colorimetric sensor array. <i>PLoS ONE</i> , 2017 , 12, e0173130	3.7	9
49	Endemic SARS-CoV-2 Polymorphisms Can Cause a Higher Diagnostic Target Failure Rate than Estimated by Aggregate Global Sequencing Data. <i>Journal of Clinical Microbiology</i> , 2021 , 59, e0091321	9.7	9
48	Laboratory Diagnosis and Susceptibility Testing for Mycobacterium tuberculosis. <i>Microbiology Spectrum</i> , 2016 , 4,	8.9	9
47	Prospective Evaluation of Molecular Assays for Diagnosis of Vaginitis. <i>Journal of Clinical Microbiology</i> , 2019 , 58,	9.7	8
46	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) nucleic acid contamination of surfaces on a coronavirus disease 2019 (COVID-19) ward and intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 42, 215-217	2	8
45	Unsatisfactory exfoliative anal cytology samples, 15-year experience with histologic, cytologic, and molecular follow-up. <i>Diagnostic Cytopathology</i> , 2018 , 46, 117-121	1.4	8
44	Cross-reactivity of Anti-Treponema Immunohistochemistry With Non-Treponema Spirochetes: A Simple Call for Caution. <i>Archives of Pathology and Laboratory Medicine</i> , 2016 , 140, 1021-2	5	7
43	Molecular diagnostics for invasive fungal infections: a call for refinement and implementation. <i>Journal of Molecular Diagnostics</i> , 2010 , 12, 17-9	5.1	7
42	Rotaviral and bacterial gastroenteritis in children during winter: an evaluation of physician ordering patterns. <i>Journal of Clinical Virology</i> , 2003 , 28, 44-50	14.5	7
41	Cerebral Paragonimiasis Presenting with Sudden Death. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 95, 1424-1427	3.2	7

40	Detection of Herpes Simplex Virus and Varicella-Zoster Virus by Traditional and Multiplex Molecular Methods. <i>American Journal of Clinical Pathology</i> , 2019 , 151, 122-126	1.9	7
39	The Impact of an Electronic Expensive Test Notification. <i>American Journal of Clinical Pathology</i> , 2018 , 149, 530-535	1.9	6
38	Medically Important Fungi: A Guide to Identification 5th Edition. <i>Laboratory Medicine</i> , 2014 , 45, e68-e69	1.6	6
37	In situ hybridization for the detection of infectious agents. <i>Clinical Microbiology Newsletter</i> , 2002 , 24, 121-125	1.1	6
36	Asymptomatic Patient Testing After 10:1 Pooling Using the Xpert Xpress SARS-CoV-2 Assay. <i>American Journal of Clinical Pathology</i> , 2021 , 155, 522-526	1.9	6
35	JC virus chromogenic in situ hybridization in brain biopsies from patients with and without PML. <i>Diagnostic Molecular Pathology</i> , 2006 , 15, 70-3		5
34	Persistence of Plasmodium falciparum in the placenta after apparently effective quinidine/clindamycin therapy. <i>Journal of Perinatology</i> , 2001 , 21, 128-30	3.1	5
33	Recognition of Diagnostic Gaps for Laboratory Diagnosis of Fungal Diseases: Expert Opinion from the Fungal Diagnostics Laboratories Consortium (FDLC). <i>Journal of Clinical Microbiology</i> , 2021 , 59, e0178420	9.7	5
32	Diagnosis of Mycobacterium abscessus/chelonae complex cutaneous infection: Correlation of tissue culture and skin biopsy. <i>Journal of Cutaneous Pathology</i> , 2020 , 47, 321-327	1.7	4
31	Molecular Diagnosis of SARS-CoV-2: Assessing and Interpreting Nucleic Acid and Antigen Tests. <i>Pathogens and Immunity</i> , 2021 , 6, 135-156	4.9	4
30	First documented case of Sarcina in esophageal brushing cytology. <i>Diagnostic Cytopathology</i> , 2018 , 46, 886-887	1.4	4
29	Optimal Timing of Repeat Multiplex Molecular Testing for Respiratory Viruses. <i>Journal of Clinical Microbiology</i> , 2020 , 58,	9.7	3
28	An Electronic Strategy for Eliminating Unnecessary Duplicate Genetic Testing. <i>American Journal of Clinical Pathology</i> , 2020 , 153, 328-332	1.9	3
27	Evaluation of molecular diagnostic assays for fungal infections. <i>Journal of Molecular Diagnostics</i> , 2006 , 8, 297-8	5.1	3
26	Cytopathology milestones: can you get to level 5?. <i>Journal of the American Society of Cytopathology</i> , 2020 , 9, 242-248	2.4	3
25	Inquillinus limosus in pulmonary disease: case report and review of the literature. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016 , 86, 446-449	2.9	3
24	Operational Aspects of a Clinical Decision Support Program. <i>Clinics in Laboratory Medicine</i> , 2019 , 39, 215-229	2.9	3
23	Chronic laryngitis caused by Mycobacterium Kansasii in a traveler. <i>Laryngoscope</i> , 2019 , 129, 2534-2536	3.6	2

22	Preanalytic process linked to spuriously elevated HIV viral loads: improvement on an FDA-approved process. <i>Diagnostic Microbiology and Infectious Disease</i> , 2017 , 89, 44-46	2.9	2
21	A single-tube screen for Salmonella and Shigella. <i>American Journal of Clinical Pathology</i> , 2008 , 130, 284-9.	1.9	2
20	Comparative Evaluation of Three Commercial Systems for Nucleic Acid Extraction from Urine Specimens. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 5833-5833	9.7	2
19	Multicenter clinical evaluation of VITEK [®] 2 meropenem-vaborbactam for susceptibility testing of and. <i>Journal of Clinical Microbiology</i> , 2021 , JCM0161021	9.7	2
18	The Impact of Transit Times on the Detection of Bacterial Pathogens in Blood Cultures: A College of American Pathologists Q-Probes Study of 36 Institutions. <i>Archives of Pathology and Laboratory Medicine</i> , 2020 , 144, 564-571	5	2
17	Sensitivity of Cerebrospinal Fluid Cytology for the Diagnosis of Cryptococcal Infections: A 21-Year Single-Institution Retrospective Review. <i>American Journal of Clinical Pathology</i> , 2019 , 151, 198-204	1.9	2
16	Impact of Interventions to Change CBC and Differential Ordering Patterns in the Emergency Department. <i>American Journal of Clinical Pathology</i> , 2019 , 151, 194-197	1.9	2
15	Comparison of real-time PCR vs PCR with fragment length analysis for the detection of CALR mutations in suspected myeloproliferative neoplasms. <i>International Journal of Laboratory Hematology</i> , 2019 , 41, e139-e141	2.5	1
14	Diagnostic utility of urine cytology in early detection of polyomavirus in transplant patients. <i>Journal of the American Society of Cytopathology</i> , 2017 , 6, 28-32	2.4	1
13	Laboratory Diagnosis and Susceptibility Testing for Mycobacterium tuberculosis 2017 , 45-58		1
12	Clinical Significance and Histologic Characterization of Histoplasma Granulomas. <i>American Journal of Clinical Pathology</i> , 2021 , 155, 581-587	1.9	1
11	Decrease in Staphylococcus aureus Colonization and Hospital-Acquired Infection in a Medical Intensive Care Unit after Institution of an Active Surveillance and Decolonization Program. <i>Infection Control and Hospital Epidemiology</i> , 2010 , 31, 779-783	2	1
10	Addressing the threat from within: Investigation of respiratory symptoms in a health care worker with untreated latent tuberculosis infection. <i>American Journal of Infection Control</i> , 2020 , 48, 82-85	3.8	1
9	Real-time polymerase chain reaction (PCR) cycle threshold and infection outcomes. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 42, 1228-1234	2	1
8	1731. Disseminated Metacestode Infection Due to an Unknown Versteria Species. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S57-S58	1	1
7	What's in a Name? Comparative Analysis of Laboratory Test Naming Guidelines as Applied to Common Confusing Test Names. <i>American Journal of Clinical Pathology</i> , 2020 , 154, S18-S19	1.9	0
6	Multicenter evaluation of the VITEK MS matrix-assisted laser desorption/ionization-time of flight mass spectrometry system for identification of bacteria, including Brucella, and yeasts. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021 , 40, 1909-1917	5.3	0
5	Risks for Recurrent Vulvovaginal Candidiasis Caused by Non-Albicans Versus. <i>Journal of Women's Health</i> , 2021 , 30, 1588-1596	3	0

- 4 Diagnosis of *Clostridioides difficile* infection by analysis of volatile organic compounds in breath, plasma, and stool: A cross-sectional proof-of-concept study. *PLoS ONE*, **2021**, 16, e0256259 3.7 0
- 3 1408 Evaluation of Legionella Diagnostic Testing by Urinary Antigen, Culture, and PCR. *Open Forum Infectious Diseases*, **2014**, 1, S370-S371 1
- 2 Routine testing for herpes simplex virus in bronchoalveolar lavage specimens is unwarranted. *Diagnostic Microbiology and Infectious Disease*, **2021**, 100, 115400 2.9
- 1 Unplugged: the code of life. *Medical Laboratory Observer*, **2011**, 43, 40, 42