

# Gary W Procop

## List of Publications by Year in descending order

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114  
papers

4,185  
citations

126901

33  
h-index

123420

61  
g-index

115  
all docs

115  
docs citations

115  
times ranked

5921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of Metagenomic Next-Generation Sequencing Tests for Universal Pathogen Detection. Archives of Pathology and Laboratory Medicine, 2017, 141, 776-786.	2.5	404
2	Association of Use of Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers With Testing Positive for Coronavirus Disease 2019 (COVID-19). JAMA Cardiology, 2020, 5, 1020.	6.1	350
3	Molecular diagnostics of infectious diseases. Clinical Chemistry, 1997, 43, 2021-2038.	3.2	251
4	Histologic Features of Zygomycosis. Archives of Pathology and Laboratory Medicine, 2001, 125, 375-378.	2.5	190
5	Rapid Identification of <i>Staphylococcus aureus</i> Directly from Blood Cultures by Fluorescence In Situ Hybridization with Peptide Nucleic Acid Probes. Journal of Clinical Microbiology, 2002, 40, 247-251.	3.9	166
6	North American Paragonimiasis (Caused by <i>Paragonimus kellicotti</i> ) in the Context of Global Paragonimiasis. Clinical Microbiology Reviews, 2009, 22, 415-446.	13.6	132
7	Practical Guidance for Clinical Microbiology Laboratories: Laboratory Diagnosis of Parasites from the Gastrointestinal Tract. Clinical Microbiology Reviews, 2018, 31, .	13.6	121
8	Rapid Identification of <i>Staphylococcus aureus</i> and the <i>mecA</i> Gene from BacT/ALERT Blood Culture Bottles by Using the LightCycler System. Journal of Clinical Microbiology, 2002, 40, 2659-2661.	3.9	109
9	Detection and Differentiation of <i>Mycobacterium tuberculosis</i> and Nontuberculous Mycobacterial Isolates by Real-Time PCR. Journal of Clinical Microbiology, 2003, 41, 5121-5126.	3.9	104
10	Improved Detection of Biofilm-formative Bacteria by Vortexing and Sonication: A Pilot Study. Clinical Orthopaedics and Related Research, 2009, 467, 1360-1364.	1.5	101
11	Molecular Diagnostics for the Detection and Characterization of Microbial Pathogens. Clinical Infectious Diseases, 2007, 45, S99-S111.	5.8	98
12	Correlation between Viral Loads of Cytomegalovirus in Blood and Bronchoalveolar Lavage Specimens from Lung Transplant Recipients Determined by Histology and Immunohistochemistry. Journal of Clinical Microbiology, 2004, 42, 2168-2172.	3.9	93
13	Antimicrobial susceptibility of <i>Abiotrophia adiacens</i> and <i>Abiotrophia defectiva</i> . Diagnostic Microbiology and Infectious Disease, 2000, 38, 189-191.	1.8	88
14	A Direct Comparison of Enhanced Saliva to Nasopharyngeal Swab for the Detection of SARS-CoV-2 in Symptomatic Patients. Journal of Clinical Microbiology, 2020, 58, .	3.9	86
15	Molecular Identification of Bacteria from Aseptically Loose Implants. Clinical Orthopaedics and Related Research, 2008, 466, 1716-1725.	1.5	79
16	Infectious Disease Pathology. Clinical Infectious Diseases, 2001, 32, 1589-1601.	5.8	75
17	Dermatofibrosarcoma Protuberans: Update on the Diagnosis and Treatment. Journal of Clinical Medicine, 2020, 9, 1752.	2.4	73
18	Prospective Clinical Study of Precision Oncology in Solid Tumors. Journal of the National Cancer Institute, 2016, 108, .	6.3	70

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19	Identification of <i>Histoplasma capsulatum</i> from Culture Extracts by Real-Time PCR. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1295-1298.	3.9	64
20	Duplicate Laboratory Test Reduction Using a Clinical Decision Support Tool. <i>American Journal of Clinical Pathology</i> , 2014, 141, 718-723.	0.7	64
21	Reducing Duplicate Testing. <i>American Journal of Clinical Pathology</i> , 2015, 143, 623-626.	0.7	61
22	Improving Molecular Genetic Test Utilization through Order Restriction, Test Review, and Guidance. <i>Journal of Molecular Diagnostics</i> , 2015, 17, 225-229.	2.8	46
23	Cytokeratin 20-negative Merkel cell carcinoma is infrequently associated with the Merkel cell polyomavirus. <i>Modern Pathology</i> , 2015, 28, 498-504.	5.5	46
24	The cytopathology of <i>Actinomyces</i> , <i>Nocardia</i> , and their mimickers. <i>Diagnostic Cytopathology</i> , 2017, 45, 1105-1115.	1.0	44
25	North American Paragonimiasis. <i>Acta Cytologica</i> , 2000, 44, 75-80.	1.3	40
26	Comparison of Five Methods for Extraction of <i>Legionella pneumophila</i> from Respiratory Specimens. <i>Journal of Clinical Microbiology</i> , 2004, 42, 5913-5916.	3.9	40
27	The comparison of pyrosequencing molecular Gram stain, culture, and conventional Gram stain for diagnosing orthopaedic infections. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1641-1649.	2.3	40
28	A Molecular Gram Stain Using Broad Range PCR and Pyrosequencing Technology. <i>Diagnostic Molecular Pathology</i> , 2005, 14, 83-89.	2.1	39
29	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, 129-131.	1.8	39
30	Distribution of Transmission Potential During Nonsevere COVID-19 Illness. <i>Clinical Infectious Diseases</i> , 2020, 71, 2927-2932.	5.8	39
31	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.	3.9	38
32	Cavitary Mass Lesion and Recurrent Pneumothoraces Due to <i>Paragonimus kellicotti</i> Infection. <i>American Journal of Surgical Pathology</i> , 2003, 27, 1157-1160.	3.7	37
33	Cystic neutrophilic granulomatous mastitis: The Cleveland Clinic experience with diagnosis and management. <i>Breast Journal</i> , 2019, 25, 80-85.	1.0	36
34	Solitary <i>Nocardia farcinica</i> brain abscess in an immunocompetent adult mimicking metastatic brain tumor: rapid diagnosis by pyrosequencing and successful treatment. <i>World Neurosurgery</i> , 2009, 72, 74-79.	1.3	35
35	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.	1.8	34
36	Histologic Parameters Predictive of Mycobacterial Infection. <i>American Journal of Clinical Pathology</i> , 1998, 109, 331-334.	0.7	32

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37	Emerging fungal diseases: the importance of the host. <i>Clinics in Laboratory Medicine</i> , 2004, 24, 691-719.	1.4	31
38	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.	1.3	30
39	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.	5.9	29
40	GASTROINTESTINAL INFECTIONS. <i>Infectious Disease Clinics of North America</i> , 2001, 15, 1073-1108.	5.1	27
41	Evaluation of the Alexon-Trend ProSpecT <i>Campylobacter</i> Microplate Assay. <i>Journal of Clinical Microbiology</i> , 2000, 38, 3853-3855.	3.9	27
42	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.	2.1	26
43	Broad-Range (Pan) <i>Salmonella</i> and <i>Salmonella</i> Serotype Typhi-Specific Real-Time PCR Assays. <i>American Journal of Clinical Pathology</i> , 2005, 123, 339-345.	0.7	26
44	Utility of PCR, Culture, and Antigen Detection Methods for Diagnosis of Legionellosis. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3474-3477.	3.9	26
45	<i>Pneumocystis</i> PCR: It Is Time to Make PCR the Test of Choice. <i>Open Forum Infectious Diseases</i> , 2017, 4, ofx193.	0.9	26
46	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, 445-447.	1.8	25
47	Varicella Zoster Virus and Large Vessel Vasculitis, the Absence of an Association. <i>Pathogens and Immunity</i> , 2017, 2, 228.	3.1	25
48	Implementation of a Stewardship Initiative on Respiratory Viral PCR-Based Antibiotic Deescalation. <i>Pharmacotherapy</i> , 2019, 39, 709-717.	2.6	24
49	Use of Polymerase Chain Reaction for Citrate Synthase Gene to Diagnose <i>Bartonella quintana</i> Endocarditis. <i>American Journal of Clinical Pathology</i> , 1999, 112, 36-40.	0.7	20
50	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.	2.5	20
51	<i>Ciliocytophthoria</i> in Clinical Virology. <i>Archives of Pathology and Laboratory Medicine</i> , 2000, 124, 1220-1223.	2.5	20
52	Histoplasma Urinary Antigen Testing Obviates the Need for Coincident Serum Antigen Testing. <i>American Journal of Clinical Pathology</i> , 2018, 149, 362-368.	0.7	19
53	Laboratory Diagnosis and Susceptibility Testing for <i>Mycobacterium tuberculosis</i> . <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	18
54	HIV and mycobacteria. <i>Seminars in Diagnostic Pathology</i> , 2017, 34, 332-339.	1.5	18

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55	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.	3.9	18
56	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, 1020-1023.	2.5	16
57	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.	1.8	16
58	Does Pneumatic Tube System Transport Contribute to Hemolysis in ED Blood Samples?. <i>Western Journal of Emergency Medicine</i> , 2016, 17, 557-560.	1.1	15
59	Outsourcing Microbiology and Offsite Laboratories. <i>Archives of Pathology and Laboratory Medicine</i> , 2003, 127, 623-624.	2.5	15
60	Diagnosis of BK Viral Nephropathy in the Renal Allograft Biopsy. <i>Journal of Molecular Diagnostics</i> , 2012, 14, 494-500.	2.8	14
61	Prospective Evaluation of Molecular Assays for Diagnosis of Vaginitis. <i>Journal of Clinical Microbiology</i> , 2019, 58, .	3.9	14
62	Small intestinal histoplasmosis: successful treatment with itraconazole in an immunocompetent host. <i>Gastrointestinal Endoscopy</i> , 1996, 43, 518-521.	1.0	13
63	Unsatisfactory exfoliative anal cytology samples, 15-year experience with histologic, cytologic, and molecular follow-up. <i>Diagnostic Cytopathology</i> , 2018, 46, 117-121.	1.0	13
64	Home testing for COVID-19: Benefits and limitations. <i>Cleveland Clinic Journal of Medicine</i> , 2021, , .	1.3	13
65	Persistence of Plasmodium falciparum in the Placenta After Apparently Effective Quinidine/Clindamycin Therapy. <i>Journal of Perinatology</i> , 2001, 21, 128-130.	2.0	12
66	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.	2.5	12
67	JC Virus Chromogenic In Situ Hybridization in Brain Biopsies From Patients With and Without PML. <i>Diagnostic Molecular Pathology</i> , 2006, 15, 70-73.	2.1	11
68	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, 847-851.	1.3	11
69	Cerebral Paragonimiasis Presenting with Sudden Death. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1424-1427.	1.4	11
70	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.	0.7	11
71	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.	1.3	11
72	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, 1021-1022.	2.5	10

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73	Molecular Diagnosis of SARS-CoV-2: Assessing and Interpreting Nucleic Acid and Antigen Tests. <i>Pathogens and Immunity</i> , 2021, 6, 135-156.	3.1	10
74	Rotaviral and bacterial gastroenteritis in children during winter: an evaluation of physician ordering patterns. <i>Journal of Clinical Virology</i> , 2003, 28, 44-50.	3.1	8
75	The Impact of an Electronic Expensive Test Notification. <i>American Journal of Clinical Pathology</i> , 2018, 149, 530-535.	0.7	8
76	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.	0.7	8
77	In situ hybridization for the detection of infectious agents. <i>Clinical Microbiology Newsletter</i> , 2002, 24, 121-125.	0.7	7
78	Molecular Diagnostics for Invasive Fungal Infections. <i>Journal of Molecular Diagnostics</i> , 2010, 12, 17-19.	2.8	7
79	Medically Important Fungi: A Guide to Identification 5th Edition. <i>Laboratory Medicine</i> , 2014, 45, e68-e69.	1.2	7
80	First documented case of <i>Sarcina</i> in esophageal brushing cytology. <i>Diagnostic Cytopathology</i> , 2018, 46, 886-887.	1.0	7
81	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.	0.7	7
82	<i>Inquilinus limosus</i> in pulmonary disease: case report and review of the literature. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 86, 446-449.	1.8	6
83	Evaluation of Molecular Diagnostic Assays for Fungal Infections. <i>Journal of Molecular Diagnostics</i> , 2006, 8, 297-298.	2.8	5
84	Optimal Timing of Repeat Multiplex Molecular Testing for Respiratory Viruses. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	3.9	5
85	An Electronic Strategy for Eliminating Unnecessary Duplicate Genetic Testing. <i>American Journal of Clinical Pathology</i> , 2020, 153, 328-332.	0.7	4
86	Operational Aspects of a Clinical Decision Support Program. <i>Clinics in Laboratory Medicine</i> , 2019, 39, 215-229.	1.4	4
87	Sensitivity of Cerebrospinal Fluid Cytology for the Diagnosis of Cryptococcal Infections. <i>American Journal of Clinical Pathology</i> , 2019, 151, 198-204.	0.7	4
88	Cytopathology milestones: can you get to level 5?. <i>Journal of the American Society of Cytopathology</i> , 2020, 9, 242-248.	0.5	4
89	Risks for Recurrent Vulvovaginal Candidiasis Caused by Non- <i>Albicans Candida</i> Versus <i>Candida Albicans</i> . <i>Journal of Women's Health</i> , 2021, 30, 1588-1596.	3.3	4
90	Diagnosis of <i>Clostridioides difficile</i> infection by analysis of volatile organic compounds in breath, plasma, and stool: A cross-sectional proof-of-concept study. <i>PLoS ONE</i> , 2021, 16, e0256259.	2.5	4

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91	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.	1.8	3
92	Chronic laryngitis caused by <i>Mycobacterium Kansasiin</i> in a traveler. <i>Laryngoscope</i> , 2019, 129, 2534-2536.	2.0	3
93	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.	2.5	3
94	Real-time polymerase chain reaction (PCR) cycle threshold and <i>Clostridioides difficile</i> infection outcomes. <i>Infection Control and Hospital Epidemiology</i> , 2021, 42, 1228-1234.	1.8	3
95	Multicenter evaluation of the VITEK MS matrix-assisted laser desorption/ionization "time of flight" mass spectrometry system for identification of bacteria, including <i>Brucella</i> , and yeasts. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 1909-1917.	2.9	3
96	Clinical Significance and Histologic Characterization of <i>Histoplasma</i> Granulomas. <i>American Journal of Clinical Pathology</i> , 2021, 155, 581-587.	0.7	3
97	Decrease in <i>Staphylococcus aureus</i> 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.	1.8	3
98	Multicenter Clinical Evaluation of Vitek 2 Meropenem-Vaborbactam for Susceptibility Testing of <i>Enterobacterales</i> and <i>Pseudomonas aeruginosa</i> . <i>Journal of Clinical Microbiology</i> , 2022, 60, JCM0161021.	3.9	3
99	A Single-Tube Screen for <i>Salmonella</i> and <i>Shigella</i> . <i>American Journal of Clinical Pathology</i> , 2008, 130, 284-289.	0.7	2
100	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.	0.5	2
101	Comparison of real-time PCR vs PCR with fragment length analysis for the detection of <i>CALR</i> mutations in suspected myeloproliferative neoplasms. <i>International Journal of Laboratory Hematology</i> , 2019, 41, e139-e141.	1.3	2
102	Laboratory Diagnosis and Susceptibility Testing for <i>Mycobacterium tuberculosis</i> . , 2017, , 45-58.		1
103	1731. Disseminated Metacestode Infection Due to an Unknown <i>Versteria</i> Species. <i>Open Forum Infectious Diseases</i> , 2018, 5, S57-S58.	0.9	1
104	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.	2.3	1
105	Routine testing for herpes simplex virus in bronchoalveolar lavage specimens is unwarranted. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 100, 115400.	1.8	1
106	Operationalizing COVID-19 testing: Who, what, when, where, why, and how. <i>Cleveland Clinic Journal of Medicine</i> , 2021, , .	1.3	1
107	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.	0.7	1
108	1408 Evaluation of <i>Legionella</i> Diagnostic Testing by Urinary Antigen, Culture, and PCR. <i>Open Forum Infectious Diseases</i> , 2014, 1, S370-S371.	0.9	0

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109	Clinical Utility of Fecal Lactoferrin in Determining Infectious Etiology of Diarrhea. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
110	Impact of Antimicrobial Stewardship and Rapid Microarray Testing on Patients With Gram-Negative Bacteremia. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
111	2010. Volatile Organic Compounds Patterns in Breath, Plasma, and Stool in Patients with <i>Clostridium difficile</i> Infection: A Cross-Sectional Proof of Concept Study. Open Forum Infectious Diseases, 2018, 5, S585-S585.	0.9	0
112	2292. Comparison of Molecular Assays for the Diagnosis of Pertussis. Open Forum Infectious Diseases, 2018, 5, S679-S679.	0.9	0
113	1810. Therapeutic Drug Monitoring of Azole Antifungals at an Academic Medical Center: Opportunities and Lessons Learned. Open Forum Infectious Diseases, 2018, 5, S513-S514.	0.9	0
114	Unplugged: the code of life. Medical Laboratory Observer, 2011, 43, 40, 42.	0.1	0