

Elitza S Theel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5691348/publications.pdf>

Version: 2024-02-01

91
papers

4,964
citations

218592

26
h-index

114418

63
g-index

97
all docs

97
docs citations

97
times ranked

10319
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of SARS-CoV-2 spike mutations that attenuate monoclonal and serum antibody neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 477-488.e4.	5.1	700
2	Convalescent Plasma Antibody Levels and the Risk of Death from Covid-19. <i>New England Journal of Medicine</i> , 2021, 384, 1015-1027.	13.9	438
3	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>Cell Host and Microbe</i> , 2020, 28, 475-485.e5.	5.1	380
4	A Guide to Utilization of the Microbiology Laboratory for Diagnosis of Infectious Diseases: 2018 Update by the Infectious Diseases Society of America and the American Society for Microbiology. <i>Clinical Infectious Diseases</i> , 2018, 67, e1-e94.	2.9	345
5	Report from the American Society for Microbiology COVID-19 International Summit, 23 March 2020: Value of Diagnostic Testing for SARS-CoV-2/COVID-19. <i>MBio</i> , 2020, 11, .	1.8	288
6	The Role of Antibody Testing for SARS-CoV-2: Is There One?. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	282
7	A Guide to Utilization of the Microbiology Laboratory for Diagnosis of Infectious Diseases: 2018 Update by the Infectious Diseases Society of America and the American Society for Microbiology. <i>Clinical Infectious Diseases</i> , 2018, 67, 813-816.	2.9	225
8	Performance Characteristics of Four High-Throughput Immunoassays for Detection of IgG Antibodies against SARS-CoV-2. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	176
9	Point-Counterpoint: β -D-Glucan Testing Is Important for Diagnosis of Invasive Fungal Infections. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3478-3483.	1.8	152
10	<i>Borrelia mayonii</i> sp. nov., a member of the <i>Borrelia burgdorferi</i> sensu lato complex, detected in patients and ticks in the upper midwestern United States. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4878-4880.	0.8	145
11	Evaluation of a Commercial Multiplex Molecular Panel for Diagnosis of Infectious Meningitis and Encephalitis. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	123
12	Dermatophyte Identification Using Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2011, 49, 4067-4071.	1.8	110
13	Formic Acid-Based Direct, On-Plate Testing of Yeast and <i>Corynebacterium</i> Species by Bruker Biotyper Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2012, 50, 3093-3095.	1.8	107
14	Serologic Testing for Zika Virus: Comparison of Three Zika Virus IgM-Screening Enzyme-Linked Immunosorbent Assays and Initial Laboratory Experiences. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2127-2136.	1.8	76
15	Comparison of the QuantiFERON-TB Gold Plus and QuantiFERON-TB Gold In-Tube Interferon Gamma Release Assays in Patients at Risk for Tuberculosis and in Health Care Workers. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	63
16	Detection of (1, 3)- β -D-glucan in bronchoalveolar lavage and serum samples collected from immunocompromised hosts. <i>Mycopathologia</i> , 2013, 175, 33-41.	1.3	60
17	Molecular and Direct Detection Tests for <i>Treponema pallidum</i> Subspecies <i>pallidum</i> : A Review of the Literature, 1964-2017. <i>Clinical Infectious Diseases</i> , 2020, 71, S4-S12.	2.9	56
18	The Past, Present, and (Possible) Future of Serologic Testing for Lyme Disease. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1191-1196.	1.8	54

#	ARTICLE	IF	CITATIONS
19	Diagnostic Testing for Zika Virus: a Postoutbreak Update. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	52
20	Tick-Borne Diseases in the United States. <i>Clinical Chemistry</i> , 2020, 66, 537-548.	1.5	49
21	Mortality in individuals treated with COVID-19 convalescent plasma varies with the geographic provenance of donors. <i>Nature Communications</i> , 2021, 12, 4864.	5.8	49
22	Reevaluation of Commercial Reagents for Detection of <i>Histoplasma capsulatum</i> Antigen in Urine. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1198-1203.	1.8	45
23	Autoimmune Encephalitis After SARS-CoV-2 Infection. <i>Neurology</i> , 2021, 97, e2262-e2268.	1.5	44
24	Evaluation of an Enzyme Immunoassay for Detection of <i>Histoplasma capsulatum</i> Antigen from Urine Specimens. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3555-3559.	1.8	42
25	Long-term SARS-CoV-2 RNA shedding and its temporal association to IgG seropositivity. <i>Cell Death Discovery</i> , 2020, 6, 138.	2.0	41
26	Low <i>Cryptococcus</i> Antigen Titers as Determined by Lateral Flow Assay Should Be Interpreted Cautiously in Patients without Prior Diagnosis of Cryptococcal Infection. <i>Journal of Clinical Microbiology</i> , 2017, 55, 2472-2479.	1.8	35
27	SARS-CoV-2 Seroprevalence and Symptom Onset in Culturally Linked Orthodox Jewish Communities Across Multiple Regions in the United States. <i>JAMA Network Open</i> , 2021, 4, e212816.	2.8	28
28	Limitations and Confusing Aspects of Diagnostic Testing for Neurologic Lyme Disease in the United States. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	27
29	Detection of SARS-CoV-2 IgG antibodies in dried blood spots. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 101, 115425.	0.8	23
30	The Lyme Disease Biobank: Characterization of 550 Patient and Control Samples from the East Coast and Upper Midwest of the United States. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	22
31	SARS-CoV-2 Serologic Assays Dependent on Dual-Antigen Binding Demonstrate Diverging Kinetics Relative to Other Antibody Detection Methods. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0123121.	1.8	22
32	Clinical Significance of Low-Positive <i>Histoplasma</i> Urine Antigen Results. <i>Journal of Clinical Microbiology</i> , 2014, 52, 3444-3446.	1.8	21
33	An Unusual Cluster of Neuroinvasive Lyme Disease Cases Presenting With Bannwarth Syndrome in the Midwest United States. <i>Open Forum Infectious Diseases</i> , 2018, 5, ofx276.	0.4	21
34	Immunity to SARS-CoV-2: What Do We Know and Should We Be Testing for It?. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0048221.	1.8	21
35	AACC Practical Recommendations for Implementing and Interpreting SARS-CoV-2 Emergency Use Authorization and Laboratory-Developed Test Serologic Testing in Clinical Laboratories. <i>Clinical Chemistry</i> , 2021, 67, 1188-1200.	1.5	20
36	Risk assessment of latent tuberculosis infection through a multiplexed cytokine biosensor assay and machine learning feature selection. <i>Scientific Reports</i> , 2021, 11, 20544.	1.6	20

#	ARTICLE	IF	CITATIONS
37	Antigen Specific Humoral and Cellular Immunity Following SARS-CoV-2 Vaccination in ANCA-Associated Vasculitis Patients Receiving B-Cell Depleting Therapy. <i>Frontiers in Immunology</i> , 2022, 13, 834981.	2.2	19
38	Application, Verification, and Implementation of SARS-CoV-2 Serologic Assays with Emergency Use Authorization. <i>Journal of Clinical Microbiology</i> , 2020, 59, .	1.8	18
39	Detection of the dengue virus NS1 antigen using an enzyme immunoassay. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 194-197.	0.8	17
40	Guillain-Barré Syndrome in a Patient With Evidence of Recent SARS-CoV-2 Infection. <i>Mayo Clinic Proceedings</i> , 2020, 95, 1799-1801.	1.4	17
41	Laboratory Diagnostics for Fungal Infections. <i>Clinics in Chest Medicine</i> , 2017, 38, 535-554.	0.8	16
42	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. <i>SSRN Electronic Journal</i> , 2020, , 3606354.	0.4	16
43	Use of the Optum Labs Data Warehouse To Assess Test Ordering Patterns for Diagnosis of <i>Helicobacter pylori</i> Infection in the United States. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1358-1360.	1.8	13
44	Validation of a multiplex flow immunoassay for detection of IgG antibodies against SARS-CoV-2 in dried blood spots. <i>PLoS ONE</i> , 2021, 16, e0252621.	1.1	13
45	Unilateral Phrenic Nerve Palsy in Infants with Congenital Zika Syndrome. <i>Emerging Infectious Diseases</i> , 2018, 24, .	2.0	10
46	Diagnostic Testing for Zika: Observing Rapid Translation During a Public Health Emergency. <i>Clinical and Translational Science</i> , 2018, 11, 103-105.	1.5	10
47	Trends in Q fever serologic testing by immunofluorescence from four large reference laboratories in the United States, 2012–2016. <i>Scientific Reports</i> , 2018, 8, 16670.	1.6	9
48	Evaluation of a Novel Microarray Immunoblot Assay for Detection of IgM- and IgG-Class Antibodies to <i>Borrelia burgdorferi</i> . <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	9
49	Seasonality of <i>Bartonella henselae</i> IgM and IgG Antibody Positivity Rates. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	9
50	Association of Varying Clinical Manifestations and Positive Anti-SARS-CoV-2 IgG Antibodies: A Cross-Sectional Observational Study. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3331-3338.e2.	2.0	9
51	A multicenter evaluation of computable phenotyping approaches for SARS-CoV-2 infection and COVID-19 hospitalizations. <i>Npj Digital Medicine</i> , 2022, 5, 27.	5.7	9
52	Considerations from the College of American Pathologists for Implementation of an Assay for SARS-CoV-2 Testing after a Change in Regulatory Status. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0116721.	1.8	8
53	Performance Characteristics of High-Throughput Serologic Assays for Severe Acute Respiratory Syndrome Coronavirus 2 with Food and Drug Administration Emergency Use Authorization. <i>Clinics in Laboratory Medicine</i> , 2022, 42, 15-29.	0.7	8
54	The Brief Case: <i>Bartonella henselae</i> Endocarditis—a Case of Delayed Diagnosis. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	7

#	ARTICLE	IF	CITATIONS
55	Assessment of serological assays for identifying high titer convalescent plasma. <i>Transfusion</i> , 2021, 61, 2658-2667.	0.8	7
56	Limited Correlation between SARS-CoV-2 Serologic Assays for Identification of High-Titer COVID-19 Convalescent Plasma Using FDA Thresholds. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	7
57	Interlaboratory Agreement of Anti-“Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Serologic Assays in the Expedited College of American Pathologists Proficiency Testing Program. <i>Archives of Pathology and Laboratory Medicine</i> , 2021, 145, 536-542.	1.2	6
58	Performance Characteristics of a Multiplex Flow Immunoassay for Detection of IgG-Class Antibodies to Measles, Mumps, Rubella, and Varicella-Zoster Viruses in Presumptively Immune Health Care Workers. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	5
59	Non-neutralizing antibodies and limitations of serologic testing for severe acute respiratory syndrome coronavirus 2 in patients receiving immunoglobulin replacement products. <i>Annals of Allergy, Asthma and Immunology</i> , 2021, 126, 206-207.	0.5	5
60	Prevalence of SARS-CoV-2 Antibodies in a Multistate Academic Medical Center. <i>Mayo Clinic Proceedings</i> , 2021, 96, 1165-1174.	1.4	5
61	Diagnostic Methods and Risk Factors for Severe Disease and Mortality in Blastomycosis: A Retrospective Cohort Study. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 888.	1.5	5
62	Multicenter Clinical Evaluation of Modified Two-Tiered Testing Algorithms for Lyme Disease Using Zeus Scientific Commercial Assays. <i>Journal of Clinical Microbiology</i> , 2022, 60, e0252821.	1.8	5
63	The role of serologic testing for Zika virus infection. <i>Reviews in Medical Microbiology</i> , 2018, 29, 1-7.	0.4	4
64	Evaluation of a Rapid Immunochromatographic Assay and Two Enzyme-Linked Immunosorbent Assays for Detection of IgM-Class Antibodies to Zika Virus. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	4
65	Serum Epitope Repertoire Analysis Enables Early Detection of Lyme Disease with Improved Sensitivity in an Expandable Multiplex Format. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	4
66	A Multidimensional Cross-Sectional Analysis of Coronavirus Disease 2019 Seroprevalence Among a Police Officer Cohort: The PoliCOV-19 Study. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab524.	0.4	4
67	Serosurveillance after a COVID-19 vaccine campaign in a Swiss police cohort. <i>Immunity, Inflammation and Disease</i> , 2022, 10, .	1.3	4
68	Tickborne Borrelia Infections: Beyond Just Lyme Disease. <i>Clinics in Laboratory Medicine</i> , 2015, 35, ix-x.	0.7	3
69	Screening for SARS-CoV-2. <i>Mayo Clinic Proceedings</i> , 2020, 95, 2606-2608.	1.4	3
70	Closing the Brief Case: A 10-Year-Old Girl with Meningoencephalitis. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	2
71	Fellowship Training for the Future Clinical Microbiology Laboratory Director. <i>Clinics in Laboratory Medicine</i> , 2020, 40, 521-533.	0.7	2
72	Progress Towards Developing a Rapid Triage/Referral Test for Tuberculosis. <i>Clinical Chemistry</i> , 2020, 66, 995-997.	1.5	2

#	ARTICLE	IF	CITATIONS
73	Detection of <i>Blastomyces dermatitidis</i> Antigen in Urine Using a Commercially Available Quantitative Enzyme Immunoassay. <i>Journal of Clinical Microbiology</i> , 2021, 59, e0144421.	1.8	2
74	Evaluation of the genalyte maverick SARS-CoV-2 multi-antigen serology panel. <i>Journal of Clinical Virology Plus</i> , 2021, 1, 100030.	0.4	2
75	Reply to "Low-Positive Histoplasma Antigen Results in the MVista Assay Should Not Be Assumed To Be False Positive". <i>Journal of Clinical Microbiology</i> , 2014, 52, 4446-4446.	1.8	1
76	The Brief Case: A 10-Year-Old Girl with Meningoencephalitis. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	1
77	Multicenter Evaluation of <i>Helicobacter pylori</i> IgG Antibody Seroprevalence Among Patients Seeking Clinical Care in the US. <i>Journal of Applied Laboratory Medicine</i> , 2018, 2, 904-913.	0.6	1
78	What about Serology? A Micro-Comic Strip. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	1
79	Closing the Brief Case: <i>Bartonella henselae</i> Endocarditis—a Case of Delayed Diagnosis. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	1.8	1
80	Evaluation of the Bio-Rad BioPlex 2200 <i>Toxoplasma gondii</i> IgM Multiplex Flow Immunoassay. <i>Journal of Applied Laboratory Medicine</i> , 2019, 3, 1022-1027.	0.6	1
81	Crossing a New Threshold: Use of Elevated (1,3)- β -D-Glucan Levels to Distinguish Colonization in <i>Pneumocystis jirovecii</i> Polymerase Chain Reaction-Positive Cancer Patients. <i>Clinical Infectious Diseases</i> , 2019, 69, 1310-1312.	2.9	1
82	Overutilization of IgM Serologic Assays for Herpes Simplex Virus. <i>Journal of Applied Laboratory Medicine</i> , 2020, 5, 241-243.	0.6	1
83	Clinical Reasoning: Multifocal neuropathies in a patient with Waldenstrom macroglobulinemia and prior borreliosis. <i>Neurology</i> , 2020, 95, 44-48.	1.5	1
84	Assessing Utilization of the Cerebrospinal Fluid Venereal Disease Research Laboratory Test for Diagnosis of Neurosyphilis: a Cohort Study. <i>Journal of General Internal Medicine</i> , 2021, 36, 77-83.	1.3	1
85	Unilateral Phrenic Nerve Palsy in Infants with Congenital Zika Syndrome. <i>Emerging Infectious Diseases</i> , 2018, 24, .	2.0	1
86	Unrecognized severe acute respiratory coronavirus virus 2 (SARS-CoV-2) seroprevalence among healthcare personnel in a low-prevalence area. <i>Infection Control and Hospital Epidemiology</i> , 2020, , 1-3.	1.0	1
87	Measles, rubella, and mumps titers post chemotherapy plus autologous stem cell transplant in multiple myeloma patients. <i>American Journal of Hematology</i> , 2022, 97, E69.	2.0	1
88	Utilization of Quantiferon-Cytomegalovirus Assay to Assess the Risk of CMV Disease and Guide Duration of Antiviral Prophylaxis in CMV-Mismatched Solid Organ Transplant Recipients. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	0
89	Back to Basics: When to Order (and When Not to Order) Serologic Testing for the Diagnosis of Infectious Diseases. <i>Clinical Chemistry</i> , 2021, 68, 36-39.	1.5	0
90	Interacting with the Clinical Microbiology Laboratory. , 2022, , 12-33.		0

#	ARTICLE	IF	CITATIONS
91	Measles, Mumps & Rubella Titers Post Autologous Stem Cell Transplant in Multiple Myeloma Patients Induced with Modern Therapy. Blood, 2020, 136, 43-43.	0.6	0