

# Tal Gilboa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9591420/publications.pdf>

Version: 2024-02-01

27  
papers

1,106  
citations

471061

17  
h-index

580395

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisystem inflammatory syndrome in children is driven by zonulin-dependent loss of gut mucosal barrier. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	170
2	Ultra-Sensitive Serial Profiling of SARS-CoV-2 Antigens and Antibodies in Plasma to Understand Disease Progression in COVID-19 Patients with Severe Disease. <i>Clinical Chemistry</i> , 2020, 66, 1562-1572.	1.5	134
3	Ultrasensitive high-resolution profiling of early seroconversion in patients with COVID-19. <i>Nature Biomedical Engineering</i> , 2020, 4, 1180-1187.	11.6	110
4	Light-Enhancing Plasmonic Nanopore Biosensor for Superior Single-Molecule Detection. <i>Advanced Materials</i> , 2017, 29, 1605442.	11.1	90
5	Optical sensing and analyte manipulation in solid-state nanopores. <i>Analyst, The</i> , 2015, 140, 4733-4747.	1.7	74
6	Single-Molecule DNA Methylation Quantification Using Electro-optical Sensing in Solid-State Nanopores. <i>ACS Nano</i> , 2016, 10, 8861-8870.	7.3	72
7	Optically-Monitored Nanopore Fabrication Using a Focused Laser Beam. <i>Scientific Reports</i> , 2018, 8, 9765.	1.6	53
8	Single-Molecule Discrimination of Labeled DNAs and Polypeptides Using Photoluminescent-Free TiO <sub>2</sub> Nanopores. <i>ACS Nano</i> , 2018, 12, 11648-11656.	7.3	45
9	Automated, Ultra-Fast Laser-Drilling of Nanometer Scale Pores and Nanopore Arrays in Aqueous Solutions. <i>Advanced Functional Materials</i> , 2020, 30, 1900642.	7.8	41
10	Quantification of mRNA Expression Using Single-Molecule Nanopore Sensing. <i>ACS Nano</i> , 2020, 14, 13964-13974.	7.3	40
11	Real-time visualization and sub-diffraction limit localization of nanometer-scale pore formation by dielectric breakdown. <i>Nanoscale</i> , 2017, 9, 16437-16445.	2.8	39
12	Single-molecule analysis of nucleic acid biomarkers – A review. <i>Analytica Chimica Acta</i> , 2020, 1115, 61-85.	2.6	34
13	Ultrasensitive Measurement of Both SARS-CoV-2 RNA and Antibodies from Saliva. <i>Analytical Chemistry</i> , 2021, 93, 5365-5370.	3.2	34
14	A SARS-CoV-2 Neutralization Assay Using Single Molecule Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25966-25972.	7.2	21
15	Nanopore Identification of Single Nucleotide Mutations in Circulating Tumor DNA by Multiplexed Ligation. <i>Clinical Chemistry</i> , 2021, 67, 753-762.	1.5	20
16	Evaluation of serological lateral flow assays for severe acute respiratory syndrome coronavirus-2. <i>BMC Infectious Diseases</i> , 2021, 21, 580.	1.3	20
17	Activity of mRNA COVID-19 vaccines in patients with lymphoid malignancies. <i>Blood Advances</i> , 2021, 5, 3062-3065.	2.5	20
18	Zonulin Antagonist, Larazotide (AT1001), As an Adjuvant Treatment for Multisystem Inflammatory Syndrome in Children: A Case Series. , 2022, 10, e0641.		15

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19	Evaluation of Three Commercial and Two Non-Commercial Immunoassays for the Detection of Prior Infection to SARS-CoV-2. <i>Journal of Applied Laboratory Medicine</i> , 2021, 6, 1561-1570.	0.6	14
20	Sequential Protein Capture in Multiplex Single Molecule Arrays: A Strategy for Eliminating Assay Cross-Reactivity. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001111.	3.9	13
21	Fast and Deterministic Fabrication of Sub-5 Nanometer Solid-State Pores by Feedback-Controlled Laser Processing. <i>ACS Nano</i> , 2021, 15, 12189-12200.	7.3	13
22	A Modular Biomaterial Scaffold-Based Vaccine Elicits Durable Adaptive Immunity to Subunit SARS-CoV-2 Antigens. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101370.	3.9	10
23	High-Sensitivity Single Molecule Array Assays for Pathological Isoforms in Parkinson's Disease. <i>Clinical Chemistry</i> , 2022, 68, 431-440.	1.5	8
24	Single-molecule studies reveal method for tuning the heterogeneous activity of alkaline phosphatase. <i>Biophysical Journal</i> , 2022, 121, 2027-2034.	0.2	6
25	A SARS-CoV-2 Neutralization Assay using Single Molecule Arrays. <i>Angewandte Chemie</i> , 0, , .	1.6	5
26	Single-Molecule Enzymology for Diagnostics: Profiling Alkaline Phosphatase Activity in Clinical Samples. <i>ChemBioChem</i> , 2022, 23, .	1.3	4
27	Coronavirus antigens as targets of antibody responses. <i>Clinics in Laboratory Medicine</i> , 2021, 42, 97-109.	0.7	1