

# Nicole Toepfner

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,597  
citations

623734

14  
h-index

361022

35  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time deformability cytometry: on-the-fly cell mechanical phenotyping. <i>Nature Methods</i> , 2015, 12, 199-202.	19.0	580
2	Real-time fluorescence and deformability cytometry. <i>Nature Methods</i> , 2018, 15, 355-358.	19.0	127
3	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. <i>ELife</i> , 2018, 7, .	6.0	125
4	Intelligent image-based deformation-assisted cell sorting with molecular specificity. <i>Nature Methods</i> , 2020, 17, 595-599.	19.0	109
5	Clinical practice guideline: tonsillitis I. Diagnostics and nonsurgical management. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 973-987.	1.6	81
6	Clinical practice guideline: tonsillitis II. Surgical management. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 989-1009.	1.6	69
7	Mechanical deformation induces depolarization of neutrophils. <i>Science Advances</i> , 2017, 3, e1602536.	10.3	68
8	Mechanotransduction in neutrophil activation and deactivation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 3105-3116.	4.1	44
9	Proteomic, biomechanical and functional analyses define neutrophil heterogeneity in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 209-218.	0.9	43
10	Real-time deformability cytometry reveals sequential contraction and expansion during neutrophil priming. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1143-1153.	3.3	34
11	Metabolic Profiling of Human Eosinophils. <i>Frontiers in Immunology</i> , 2018, 9, 1404.	4.8	33
12	Sensitive quantification of clozapine and its main metabolites norclozapine and clozapine-N-oxide in serum and urine using LC-MS/MS after simple liquid-liquid extraction work-up. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 737-746.	3.7	29
13	<i>Streptococcus agalactiae</i> Serotype Distribution and Antimicrobial Susceptibility in Pregnant Women in Gabon, Central Africa. <i>Scientific Reports</i> , 2015, 5, 17281.	3.3	22
14	Sore Throat. <i>Deutsches Ärzteblatt International</i> , 2021, 118, .	0.9	18
15	SARS-CoV-2 in pediatric cancer: a systematic review. <i>European Journal of Pediatrics</i> , 2022, 181, 1413-1427.	2.7	18
16	Lemierre syndrome associated with 12th cranial nerve palsy: A case report and review. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2013, 77, 1585-1588.	1.0	17
17	Molecular epidemiology of <i>Staphylococcus aureus</i> from Lambaré, Gabon. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2016, 35, 1963-1973.	2.9	17
18	β-hemolytic streptococcal throat carriage and tonsillopharyngitis: a cross-sectional prevalence study in Gabon, Central Africa. <i>Infection</i> , 2015, 43, 177-183.	4.7	16

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19	Fulminant neonatal sepsis due to <i>Streptococcus alactolyticus</i> -A case report and review. <i>Apmis</i> , 2014, 122, 654-656.	2.0	15
20	Impact of technical training on rapid antigen detection tests (RADT) in group A streptococcal tonsillopharyngitis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2013, 32, 609-611.	2.9	14
21	The mechanics of myeloid cells. <i>Biology of the Cell</i> , 2020, 112, 103-112.	2.0	12
22	One Gene, Many Facets: Multiple Immune Pathway Dysregulation in SOCS1 Haploinsufficiency. <i>Frontiers in Immunology</i> , 2021, 12, 680334.	4.8	11
23	Accidental clozapine intoxication in a toddler: clinical and pharmacokinetic lessons learnt. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2013, 38, 165-168.	1.5	10
24	Real-time deformability cytometry as a label-free indicator of cell function. , 2015, 2015, 1861-4.		8
25	The role of the Epstein-Barr Virus receptor CD21 in Multiple Sclerosis. <i>Journal of Neuroimmunology</i> , 2012, 242, 47-51.	2.3	7
26	Prevalence and molecular diversity of invasive <i>Streptococcus dysgalactiae</i> and <i>Streptococcus pyogenes</i> in a German tertiary care medical centre. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 1325-1332.	2.9	6
27	More severe than COVID: Combined immunodeficiency due to a novel <i>NFKB2</i> mutation. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 793-797.	2.6	5
28	Cell Mechanics Based Computational Classification of Red Blood Cells Via Machine Intelligence Applied to Morpho-Rheological Markers. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1405-1415.	3.0	4
29	Image-based cell sorting using artificial intelligence. , 2020, , .		4
30	Long-term, single-center surveillance of non-invasive group A streptococcal (GAS) infections, emm types and emm clusters. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 273-280.	2.9	3
31	High Diversity of emm Types and Marked Tetracycline Resistance of Group A Streptococci and Other $\alpha$ -Hemolytic Streptococci in Gabon, Central Africa. <i>Pediatric Infectious Disease Journal</i> , 2022, 41, 405-410.	2.0	2
32	Immunopathogenesis of Multiple Sclerosis. , 2007, , 197-204.		1
33	A standardized microdilution susceptibility test to determine the resistance capacity of human pathogenic bacteria towards hydrogen peroxide. <i>Journal of Microbiological Methods</i> , 2018, 155, 24-26.	1.6	1
34	Hydrogen Peroxide Production of Group A Streptococci (GAS) is emm-Type Dependent and Increased at Low Temperatures. <i>Current Microbiology</i> , 2019, 76, 698-705.	2.2	1
35	Survival of Group A <i>Streptococcus</i> (GAS) is Enhanced Under Desiccated Culture Conditions. <i>Current Microbiology</i> , 2020, 77, 1518-1524.	2.2	1
36	Microfluidic Microcirculation Mimetic as a Tool for the Study of Rheological Characteristics of Red Blood Cells in Patients with Sickle Cell Anemia. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4394.	2.5	1