

Daniela Weiskopf

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

23,470
citations

30070

54
h-index

20961

115
g-index

171
all docs

171
docs citations

171
times ranked

26276
citing authors

#	ARTICLE	IF	CITATIONS
1	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. <i>Cell</i> , 2020, 181, 1489-1501.e15.	28.9	3,220
2	Immunological memory to SARS-CoV-2 assessed for up to 8 months after infection. <i>Science</i> , 2021, 371, .	12.6	2,268
3	Antigen-Specific Adaptive Immunity to SARS-CoV-2 in Acute COVID-19 and Associations with Age and Disease Severity. <i>Cell</i> , 2020, 183, 996-1012.e19.	28.9	1,494
4	Selective and cross-reactive SARS-CoV-2 T cell epitopes in unexposed humans. <i>Science</i> , 2020, 370, 89-94.	12.6	1,036
5	Phenotype and kinetics of SARS-CoV-2-specific T cells in COVID-19 patients with acute respiratory distress syndrome. <i>Science Immunology</i> , 2020, 5, .	11.9	851
6	The receptor-binding domain of the viral spike protein is an immunodominant and highly specific target of antibodies in SARS-CoV-2 patients. <i>Science Immunology</i> , 2020, 5, .	11.9	772
7	Properties of MHC Class I Presented Peptides That Enhance Immunogenicity. <i>PLoS Computational Biology</i> , 2013, 9, e1003266.	3.2	636
8	T cells from patients with Parkinson's disease recognize α -synuclein peptides. <i>Nature</i> , 2017, 546, 656-661.	27.8	618
9	mRNA vaccines induce durable immune memory to SARS-CoV-2 and variants of concern. <i>Science</i> , 2021, 374, abm0829.	12.6	609
10	SARS-CoV-2 vaccination induces immunological T cell memory able to cross-recognize variants from Alpha to Omicron. <i>Cell</i> , 2022, 185, 847-859.e11.	28.9	590
11	Comprehensive analysis of dengue virus-specific responses supports an HLA-linked protective role for CD8 ⁺ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2046-53.	7.1	524
12	Impact of SARS-CoV-2 variants on the total CD4 ⁺ and CD8 ⁺ T cell reactivity in infected or vaccinated individuals. <i>Cell Reports Medicine</i> , 2021, 2, 100355.	6.5	490
13	A Single-Dose Intranasal ChAd Vaccine Protects Upper and Lower Respiratory Tracts against SARS-CoV-2. <i>Cell</i> , 2020, 183, 169-184.e13.	28.9	446
14	Comprehensive analysis of T cell immunodominance and immunoprevalence of SARS-CoV-2 epitopes in COVID-19 cases. <i>Cell Reports Medicine</i> , 2021, 2, 100204.	6.5	437
15	Imbalance of Regulatory and Cytotoxic SARS-CoV-2-Reactive CD4 ⁺ T Cells in COVID-19. <i>Cell</i> , 2020, 183, 1340-1353.e16.	28.9	431
16	T cell responses to SARS-CoV-2 spike cross-recognize Omicron. <i>Nature</i> , 2022, 603, 488-492.	27.8	430
17	Cellular and humoral immune responses following SARS-CoV-2 mRNA vaccination in patients with multiple sclerosis on anti-CD20 therapy. <i>Nature Medicine</i> , 2021, 27, 1990-2001.	30.7	396
18	Rapid induction of antigen-specific CD4 ⁺ T cells is associated with coordinated humoral and cellular immunity to SARS-CoV-2 mRNA vaccination. <i>Immunity</i> , 2021, 54, 2133-2142.e3.	14.3	367

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19	Divergent SARS-CoV-2 Omicron-reactive T and B cell responses in COVID-19 vaccine recipients. <i>Science Immunology</i> , 2022, 7, eabo2202.	11.9	337
20	Ancestral SARS-CoV-2-specific T cells cross-recognize the Omicron variant. <i>Nature Medicine</i> , 2022, 28, 472-476.	30.7	333
21	Humoral and cellular immune memory to four COVID-19 vaccines. <i>Cell</i> , 2022, 185, 2434-2451.e17.	28.9	289
22	Dengue virus infection elicits highly polarized CX3CR1 ⁺ cytotoxic CD4 ⁺ T cells associated with protective immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4256-63.	7.1	266
23	HLA Class I Alleles Are Associated with Peptide-Binding Repertoires of Different Size, Affinity, and Immunogenicity. <i>Journal of Immunology</i> , 2013, 191, 5831-5839.	0.8	249
24	SARS-CoV-2 human T _H cell epitopes: Adaptive immune response against COVID-19. <i>Cell Host and Microbe</i> , 2021, 29, 1076-1092.	11.0	242
25	Low-dose mRNA-1273 COVID-19 vaccine generates durable memory enhanced by cross-reactive T cells. <i>Science</i> , 2021, 374, eabj9853.	12.6	236
26	A Cytokine-Independent Approach To Identify Antigen-Specific Human Germinal Center T Follicular Helper Cells and Rare Antigen-Specific CD4 ⁺ T Cells in Blood. <i>Journal of Immunology</i> , 2016, 197, 983-993.	0.8	215
27	Precursors of human CD4 ⁺ cytotoxic T lymphocytes identified by single-cell transcriptome analysis. <i>Science Immunology</i> , 2018, 3, .	11.9	209
28	Unique phenotypes and clonal expansions of human CD4 effector memory T cells re-expressing CD45RA. <i>Nature Communications</i> , 2017, 8, 1473.	12.8	208
29	Molecular Determinants of T Cell Epitope Recognition to the Common Timothy Grass Allergen. <i>Journal of Immunology</i> , 2010, 185, 943-955.	0.8	163
30	Baricitinib treatment resolves lower-airway macrophage inflammation and neutrophil recruitment in SARS-CoV-2-infected rhesus macaques. <i>Cell</i> , 2021, 184, 460-475.e21.	28.9	156
31	The Human CD8 ⁺ T Cell Responses Induced by a Live Attenuated Tetravalent Dengue Vaccine Are Directed against Highly Conserved Epitopes. <i>Journal of Virology</i> , 2015, 89, 120-128.	3.4	148
32	Prior Dengue Virus Exposure Shapes T Cell Immunity to Zika Virus in Humans. <i>Journal of Virology</i> , 2017, 91, .	3.4	148
33	SARS-CoV-2 infection generates tissue-localized immunological memory in humans. <i>Science Immunology</i> , 2021, 6, eabl9105.	11.9	147
34	Human CD8 ⁺ T-Cell Responses Against the 4 Dengue Virus Serotypes Are Associated With Distinct Patterns of Protein Targets. <i>Journal of Infectious Diseases</i> , 2015, 212, 1743-1751.	4.0	129
35	T-Cell Immunity to Infection with Dengue Virus in Humans. <i>Frontiers in Immunology</i> , 2014, 5, 93.	4.8	126
36	Interferon- β Release Assay for Accurate Detection of Severe Acute Respiratory Syndrome Coronavirus 2 T-Cell Response. <i>Clinical Infectious Diseases</i> , 2021, 73, e3130-e3132.	5.8	114

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37	Prior infection with SARS-CoV-2 boosts and broadens Ad26.COV2.S immunogenicity in a variant-dependent manner. <i>Cell Host and Microbe</i> , 2021, 29, 1611-1619.e5.	11.0	106
38	Insights into HLA-Restricted T Cell Responses in a Novel Mouse Model of Dengue Virus Infection Point toward New Implications for Vaccine Design. <i>Journal of Immunology</i> , 2011, 187, 4268-4279.	0.8	104
39	Human T Cell Response to Dengue Virus Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2125.	4.8	102
40	T cell assays differentiate clinical and subclinical SARS-CoV-2 infections from cross-reactive antiviral responses. <i>Nature Communications</i> , 2021, 12, 2055.	12.8	102
41	Predicting HLA CD4 Immunogenicity in Human Populations. <i>Frontiers in Immunology</i> , 2018, 9, 1369.	4.8	101
42	Germinal center responses to SARS-CoV-2 mRNA vaccines in healthy and immunocompromised individuals. <i>Cell</i> , 2022, 185, 1008-1024.e15.	28.9	101
43	Immunodominance Changes as a Function of the Infecting Dengue Virus Serotype and Primary versus Secondary Infection. <i>Journal of Virology</i> , 2014, 88, 11383-11394.	3.4	100
44	Immune signatures underlying post-acute COVID-19 lung sequelae. <i>Science Immunology</i> , 2021, 6, eabk1741.	11.9	99
45	Automatic Generation of Validated Specific Epitope Sets. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	2.2	90
46	HLA-DRB1 Alleles Are Associated With Different Magnitudes of Dengue Virus-Specific CD4 ⁺ T-Cell Responses. <i>Journal of Infectious Diseases</i> , 2016, 214, 1117-1124.	4.0	88
47	Protective Role of Cross-Reactive CD8 T Cells Against Dengue Virus Infection. <i>EBioMedicine</i> , 2016, 13, 284-293.	6.1	85
48	Human CD4 ⁺ T Cell Responses to an Attenuated Tetravalent Dengue Vaccine Parallel Those Induced by Natural Infection in Magnitude, HLA Restriction, and Antigen Specificity. <i>Journal of Virology</i> , 2017, 91, .	3.4	83
49	Global Assessment of Dengue Virus-Specific CD4 ⁺ T Cell Responses in Dengue-Endemic Areas. <i>Frontiers in Immunology</i> , 2017, 8, 1309.	4.8	77
50	Cytotoxic CD4 T Cells: Differentiation, Function, and Application to Dengue Virus Infection. <i>Frontiers in Immunology</i> , 2016, 7, 531.	4.8	74
51	Development of a novel clustering tool for linear peptide sequences. <i>Immunology</i> , 2018, 155, 331-345.	4.4	73
52	Safety and Immunogenicity of an Inactivated Severe Acute Respiratory Syndrome Coronavirus 2 Vaccine in a Subgroup of Healthy Adults in Chile. <i>Clinical Infectious Diseases</i> , 2022, 75, e792-e804.	5.8	73
53	Immunodominant Dengue Virus-Specific CD8 ⁺ T Cell Responses Are Associated with a Memory PD-1 ⁺ Phenotype. <i>Journal of Virology</i> , 2016, 90, 4771-4779.	3.4	71
54	Cutting Edge: Transcriptional Profiling Reveals Multifunctional and Cytotoxic Antiviral Responses of Zika Virus-Specific CD8 ⁺ T Cells. <i>Journal of Immunology</i> , 2018, 201, 3487-3491.	0.8	70

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55	An Integrated Workflow To Assess Technical and Biological Variability of Cell Population Frequencies in Human Peripheral Blood by Flow Cytometry. <i>Journal of Immunology</i> , 2017, 198, 1748-1758.	0.8	69
56	Recognition of Variants of Concern by Antibodies and T Cells Induced by a SARS-CoV-2 Inactivated Vaccine. <i>Frontiers in Immunology</i> , 2021, 12, 747830.	4.8	69
57	Circulating T cell-monocyte complexes are markers of immune perturbations. <i>ELife</i> , 2019, 8, .	6.0	67
58	SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. <i>Nature Communications</i> , 2021, 12, 541.	12.8	66
59	Differential T-Cell Reactivity to Endemic Coronaviruses and SARS-CoV-2 in Community and Health Care Workers. <i>Journal of Infectious Diseases</i> , 2021, 224, 70-80.	4.0	65
60	Identifying Candidate Targets of Immune Responses in Zika Virus Based on Homology to Epitopes in Other Flavivirus Species. <i>PLOS Currents</i> , 2016, 8, .	1.4	64
61	Definition of Human Epitopes Recognized in Tetanus Toxoid and Development of an Assay Strategy to Detect Ex Vivo Tetanus CD4+ T Cell Responses. <i>PLoS ONE</i> , 2017, 12, e0169086.	2.5	60
62	Cytomegalovirus-Specific CD4 T Cells Are Cytolytic and Mediate Vaccine Protection. <i>Journal of Virology</i> , 2016, 90, 650-658.	3.4	58
63	SARS-CoV-2 Evolution and Immune Escape in Immunocompromised Patients. <i>New England Journal of Medicine</i> , 2022, 386, 2436-2438.	27.0	54
64	Development of Envelope Protein Antigens To Serologically Differentiate Zika Virus Infection from Dengue Virus Infection. <i>Journal of Clinical Microbiology</i> , 2018, 56, .	3.9	53
65	A yeast-expressed RBD-based SARS-CoV-2 vaccine formulated with 3M-052-alum adjuvant promotes protective efficacy in non-human primates. <i>Science Immunology</i> , 2021, 6, .	11.9	53
66	Evaluating the Immunogenicity of Protein Drugs by Applying <i>In Vitro</i> MHC Binding Data and the Immune Epitope Database and Analysis Resource. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-7.	3.3	50
67	Safety and immunogenicity of the tetravalent, live-attenuated dengue vaccine Butantan-DV in adults in Brazil: a two-step, double-blind, randomised placebo-controlled phase 2 trial. <i>Lancet Infectious Diseases</i> , 2020, 20, 839-850.	9.1	50
68	T Cell Responses Induced by Attenuated Flavivirus Vaccination Are Specific and Show Limited Cross-Reactivity with Other Flavivirus Species. <i>Journal of Virology</i> , 2020, 94, .	3.4	49
69	Ontogeny of the B- and T-cell response in a primary Zika virus infection of a dengue-naïve individual during the 2016 outbreak in Miami, FL. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006000.	3.0	48
70	Case Report: Convalescent Plasma, a Targeted Therapy for Patients with CVID and Severe COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 596761.	4.8	45
71	Mapping the Human Memory B Cell and Serum Neutralizing Antibody Responses to Dengue Virus Serotype 4 Infection and Vaccination. <i>Journal of Virology</i> , 2017, 91, .	3.4	44
72	A Review on T Cell Epitopes Identified Using Prediction and Cell-Mediated Immune Models for <i>Mycobacterium tuberculosis</i> and <i>Bordetella pertussis</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2778.	4.8	41

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73	Immune Memory in Mild COVID-19 Patients and Unexposed Donors Reveals Persistent T Cell Responses After SARS-CoV-2 Infection. <i>Frontiers in Immunology</i> , 2021, 12, 636768.	4.8	41
74	Dengue-specific CD8+ T cell subsets display specialized transcriptomic and TCR profiles. <i>Journal of Clinical Investigation</i> , 2019, 129, 1727-1741.	8.2	41
75	Rapid Induction and Maintenance of Virus-Specific CD8+ TEMRA and CD4+ TEM Cells Following Protective Vaccination Against Dengue Virus Challenge in Humans. <i>Frontiers in Immunology</i> , 2020, 11, 479.	4.8	37
76	Characterization of Magnitude and Antigen Specificity of HLA-DP, DQ, and DRB3/4/5 Restricted DENV-Specific CD4+ T Cell Responses. <i>Frontiers in Immunology</i> , 2019, 10, 1568.	4.8	35
77	Molecular Signatures of Dengue Virus-Specific IL-10/IFN- γ Co-producing CD4 ⁺ T Cells and Their Association with Dengue Disease. <i>Cell Reports</i> , 2019, 29, 4482-4495.e4.	6.4	35
78	Heterogeneity of human anti-viral immunity shaped by virus, tissue, age, and sex. <i>Cell Reports</i> , 2021, 37, 110071.	6.4	34
79	Time elapsed between Zika and dengue virus infections affects antibody and T cell responses. <i>Nature Communications</i> , 2019, 10, 4316.	12.8	31
80	Two Is Better Than One: Evidence for T-Cell Cross-Protection Between Dengue and Zika and Implications on Vaccine Design. <i>Frontiers in Immunology</i> , 2020, 11, 517.	4.8	31
81	Single-Cell Transcriptomic Analysis of SARS-CoV-2 Reactive CD4 ⁺ T Cells. <i>SSRN Electronic Journal</i> , 2020, , 3641939.	0.4	31
82	Inactivated whole-virion vaccine BBV152/Covaxin elicits robust cellular immune memory to SARS-CoV-2 and variants of concern. <i>Nature Microbiology</i> , 2022, 7, 974-985.	13.3	30
83	Heterologous ChAdOx1/BNT162b2 vaccination induces stronger immune response than homologous ChAdOx1 vaccination: The pragmatic, multi-center, three-arm, partially randomized HEVACC trial. <i>EBioMedicine</i> , 2022, 80, 104073.	6.1	28
84	Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status. <i>Cell Host and Microbe</i> , 2022, 30, 388-399.e3.	11.0	26
85	Patterns of Cellular Immunity Associated with Experimental Infection with rDEN2 ¹³⁰ (Tonga/74) Support Its Suitability as a Human Dengue Virus Challenge Strain. <i>Journal of Virology</i> , 2017, 91, .	3.4	24
86	SARS-CoV-2 Omicron variant escapes neutralizing antibodies and T cell responses more efficiently than other variants in mild COVID-19 convalescents. <i>Cell Reports Medicine</i> , 2022, 3, 100651.	6.5	24
87	Activation of mTORC1 at late endosomes misdirects T cell fate decision in older individuals. <i>Science Immunology</i> , 2021, 6, .	11.9	22
88	DAFi: A directed recursive data filtering and clustering approach for improving and interpreting data clustering identification of cell populations from polychromatic flow cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 597-610.	1.5	18
89	Transcriptomic immune profiles of human flavivirus-specific T cell responses. <i>Immunology</i> , 2020, 160, 3-9.	4.4	18
90	Identification and Characterization of CD4 ⁺ T Cell Epitopes after Shingrix Vaccination. <i>Journal of Virology</i> , 2020, 94, .	3.4	18

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91	Limited induction of SARS-CoV-2-specific T cell responses in children with multisystem inflammatory syndrome compared with COVID-19. <i>JCI Insight</i> , 2022, 7, .	5.0	17
92	Mild SARS-CoV-2 infection in rhesus macaques is associated with viral control prior to antigen-specific T cell responses in tissues. <i>Science Immunology</i> , 2022, 7, eabo0535.	11.9	17
93	Ageing and CMV Infection Affect Pre-existing SARS-CoV-2-Reactive CD8+ T Cells in Unexposed Individuals. <i>Frontiers in Aging</i> , 2021, 2, .	2.6	16
94	Ancestral SARS-CoV-2-specific T cells cross-recognize Omicron. <i>Nature Medicine</i> , 0, , .	30.7	14
95	ZikaPLAN: addressing the knowledge gaps and working towards a research preparedness network in the Americas. <i>Global Health Action</i> , 2019, 12, 1666566.	1.9	13
96	Inhibition of protective immunity against <i>Staphylococcus aureus</i> infection by MHC-restricted immunodominance is overcome by vaccination. <i>Science Advances</i> , 2020, 6, eaaw7713.	10.3	13
97	Current Understanding of the Role of T Cells in Chikungunya, Dengue and Zika Infections. <i>Viruses</i> , 2022, 14, 242.	3.3	13
98	Pre-existing T Cell Memory against Zika Virus. <i>Journal of Virology</i> , 2021, 95, .	3.4	11
99	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 496 adults from San Diego, California, USA. <i>Human Immunology</i> , 2018, 79, 821-822.	2.4	10
100	Observations and perspectives on adaptive immunity to SARS-CoV-2. <i>Clinical Infectious Diseases</i> , 2022, , .	5.8	10
101	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 339 adults from Managua, Nicaragua. <i>Human Immunology</i> , 2018, 79, 1-2.	2.4	8
102	A Population of CD4+CD8+ Double-Positive T Cells Associated with Risk of Plasma Leakage in Dengue Viral Infection. <i>Viruses</i> , 2022, 14, 90.	3.3	8
103	Preserved SARS-CoV-2 Vaccine Cell-Mediated Immunogenicity in Patients With Inflammatory Bowel Disease on Immune-Modulating Therapies. <i>Clinical and Translational Gastroenterology</i> , 2022, 13, e00484.	2.5	8
104	Deciphering the quality of SARS-CoV-2 specific T cell response associated with disease severity, immune memory and heterologous response. <i>Clinical and Translational Medicine</i> , 2022, 12, e802.	4.0	8
105	Specific CD4+ T Cell Responses to Ancestral SARS-CoV-2 in Children Increase With Age and Show Cross-Reactivity to Beta Variant. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	8
106	Sequence-based HLA-A, B, C, DP, DQ, and DR typing of 714 adults from Colombo, Sri Lanka. <i>Human Immunology</i> , 2018, 79, 87-88.	2.4	7
107	Dichotomy between the humoral and cellular responses elicited by mRNA and adenoviral vector vaccines against SARS-CoV-2. <i>BMC Medicine</i> , 2022, 20, 32.	5.5	7
108	Transcriptomics of Acute DENV-Specific CD8+ T Cells Does Not Support Qualitative Differences as Drivers of Disease Severity. <i>Vaccines</i> , 2022, 10, 612.	4.4	6

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109	Conserved epitopes with high HLA-I population coverage are targets of CD8+ T cells associated with high IFN- γ responses against all dengue virus serotypes. <i>Scientific Reports</i> , 2020, 10, 20497.	3.3	5
110	Differential Longevity of Memory CD4 and CD8 T Cells in a Cohort of the Mothers With a History of ZIKV Infection and Their Children. <i>Frontiers in Immunology</i> , 2021, 12, 610456.	4.8	5
111	An efficient immunoassay for the B cell help function of SARS-CoV-2-specific memory CD4+ T cells. <i>Cell Reports Methods</i> , 2022, 2, 100224.	2.9	5
112	Identification of Novel Yellow Fever Class II Epitopes in YF-17D Vaccinees. <i>Viruses</i> , 2020, 12, 1300.	3.3	3
113	Adoptive Immune Responses to Sars-Cov2 Vaccination in CART19 Treated Patients. <i>Blood</i> , 2021, 138, 1757-1757.	1.4	3
114	Evaluation of the Expression of CCR5 and CX3CR1 Receptors and Correlation with the Functionality of T Cells in Women infected with ZIKV during Pregnancy. <i>Viruses</i> , 2021, 13, 191.	3.3	2
115	Evaluation of ELISA-Based Multiplex Peptides for the Detection of Human Serum Antibodies Induced by Zika Virus Infection across Various Countries. <i>Viruses</i> , 2021, 13, 1319.	3.3	2
116	Antigenic Determinants of SARS-CoV-2-Specific CD4+ T Cell Lines Reveals M Protein-Driven Dysregulation of Interferon Signaling. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	2
117	'One Year Later' - SARS-CoV-2-Specific Immunity in Mild Cases of COVID-19. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
118	Involvement of Th1Th17 Cell Subpopulations in the Immune Responses of Mothers Who Gave Birth to Children with Congenital Zika Syndrome (CZS). <i>Viruses</i> , 2022, 14, 250.	3.3	1
119	Molecular Signatures of Dengue Virus-Specific IL-10/IFN- γ Co-Producing CD4 T Cells and Their Association with Severe Dengue Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
120	Laserklassifizierung und Laserklassen. , 2020, , 173-202.		0