

Elisabeth Puchhammer-StÄckl

List of Publications by Year in descending order

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95
papers

3,166
citations

147801

31
h-index

189892

50
g-index

104
all docs

104
docs citations

104
times ranked

4770
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	203
2	SARS-CoV-2 mutations in MHC-I-restricted epitopes evade CD8 ⁺ T cell responses. <i>Science Immunology</i> , 2021, 6, .	11.9	143
3	Transmission of HIV Drug Resistance and the Predicted Effect on Current First-line Regimens in Europe. <i>Clinical Infectious Diseases</i> , 2016, 62, 655-663.	5.8	135
4	Establishment of PCR for the early diagnosis of herpes simplex encephalitis. <i>Journal of Medical Virology</i> , 1990, 32, 77-82.	5.0	125
5	Deep Sequencing Reveals Highly Complex Dynamics of Human Cytomegalovirus Genotypes in Transplant Patients over Time. <i>Journal of Virology</i> , 2010, 84, 7195-7203.	3.4	106
6	Plasma DNA levels of Torque teno virus and immunosuppression after lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 320-323.	0.6	100
7	Quantification of Torque Teno Virus Viremia as a Prospective Biomarker for Infectious Disease in Kidney Allograft Recipients. <i>Journal of Infectious Diseases</i> , 2018, 218, 1191-1199.	4.0	93
8	Significant impact of nationwide SARS-CoV-2 lockdown measures on the circulation of other respiratory virus infections in Austria. <i>Journal of Clinical Virology</i> , 2021, 137, 104795.	3.1	85
9	Torque Teno Virus Load Inverse Association With Antibody-Mediated Rejection After Kidney Transplantation. <i>Transplantation</i> , 2017, 101, 360-367.	1.0	81
10	Deletion of the NKG2C receptor encoding KLRC2 gene and HLA-E variants are risk factors for severe COVID-19. <i>Genetics in Medicine</i> , 2021, 23, 963-967.	2.4	79
11	Pre-Transplant Plasma Torque Teno Virus Load and Increase Dynamics after Lung Transplantation. <i>PLoS ONE</i> , 2015, 10, e0122975.	2.5	76
12	Emergence of Multiple Cytomegalovirus Strains in Blood and Lung of Lung Transplant Recipients. <i>Transplantation</i> , 2006, 81, 187-194.	1.0	72
13	Screening for possible failure of herpes simplex virus PCR in cerebrospinal fluid for the diagnosis of herpes simplex encephalitis. <i>Journal of Medical Virology</i> , 2001, 64, 531-536.	5.0	69
14	Quantitative real time PCR detection of Varicella-zoster virus DNA in cerebrospinal fluid in patients with neurological disease. <i>Medical Microbiology and Immunology</i> , 2005, 194, 7-12.	4.8	65
15	Diagnosis of herpesvirus infections of the central nervous system. <i>Journal of Clinical Virology</i> , 2002, 25, 79-85.	3.1	64
16	Torque Teno Virus as a Novel Biomarker Targeting the Efficacy of Immunosuppression After Lung Transplantation. <i>Journal of Infectious Diseases</i> , 2018, 218, 1922-1928.	4.0	64
17	Performance of Severe Acute Respiratory Syndrome Coronavirus 2 Antibody Assays in Different Stages of Infection: Comparison of Commercial Enzyme-Linked Immunosorbent Assays and Rapid Tests. <i>Journal of Infectious Diseases</i> , 2020, 222, 362-366.	4.0	64
18	Torque teno virus for risk stratification of graft rejection and infection in kidney transplant recipients A prospective observational trial. <i>American Journal of Transplantation</i> , 2020, 20, 2081-2090.	4.7	64

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19	Relationship between Cytomegalovirus DNA Load in Epithelial Lining Fluid and Plasma of Lung Transplant Recipients and Analysis of Coinfection with Epstein-Barr Virus and Human Herpesvirus 6 in the Lung Compartment. <i>Journal of Clinical Microbiology</i> , 2007, 45, 324-328.	3.9	62
20	Cytomegalovirus and Epstein-Barr virus subtypesâ€”The search for clinical significance. <i>Journal of Clinical Virology</i> , 2006, 36, 239-248.	3.1	59
21	TTV DNA plasma load and its association with age, gender, and HCMV IgG serostatus in healthy adults. <i>Age</i> , 2014, 36, 9716.	3.0	59
22	Dynamics of CD4 T Cell and Antibody Responses in COVID-19 Patients With Different Disease Severity. <i>Frontiers in Medicine</i> , 2020, 7, 592629.	2.6	54
23	Variability of cycle threshold values in an external quality assessment scheme for detection of the SARS-CoV-2 virus genome by RT-PCR. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 987-994.	2.3	49
24	Torque Teno Virus for Risk Stratification of Acute Biopsy-Proven Alloreactivity in Kidney Transplant Recipients. <i>Journal of Infectious Diseases</i> , 2019, 219, 1934-1939.	4.0	46
25	Association between plasma Torque teno virus level and chronic lung allograft dysfunction after lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 366-368.	0.6	45
26	Neutralization of SARSâ€CoVâ€2 requires antibodies against conformational receptorâ€binding domain epitopes. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 230-242.	5.7	45
27	Virus load dynamics of individual CMVâ€genotypes in lung transplant recipients with mixedâ€genotype infections. <i>Journal of Medical Virology</i> , 2008, 80, 1405-1414.	5.0	43
28	Recommendations for the introduction of metagenomic high-throughput sequencing in clinical virology, part I: Wet lab procedure. <i>Journal of Clinical Virology</i> , 2021, 134, 104691.	3.1	42
29	Recommendations for the introduction of metagenomic next-generation sequencing in clinical virology, part II: bioinformatic analysis and reporting. <i>Journal of Clinical Virology</i> , 2021, 138, 104812.	3.1	39
30	Human cytomegalovirus (HCMV) genotype populations in immunocompetent individuals during primary HCMV infection. <i>Journal of Clinical Virology</i> , 2010, 48, 100-103.	3.1	38
31	Human cytomegalovirus: an enormous variety of strains and their possible clinical significance in the human host. <i>Future Virology</i> , 2011, 6, 259-271.	1.8	37
32	Prospective Analysis of Human Cytomegalovirus DNAemia and Specific CD8+ T Cell Responses in Lung Transplant Recipients. <i>American Journal of Transplantation</i> , 2012, 12, 2172-2180.	4.7	35
33	Differences in Growth Properties among Two Human Cytomegalovirus Glycoprotein O Genotypes. <i>Frontiers in Microbiology</i> , 2017, 8, 1609.	3.5	33
34	Immune-escape mutations and stop-codons in HBsAg develop in a large proportion of patients with chronic HBV infection exposed to anti-HBV drugs in Europe. <i>BMC Infectious Diseases</i> , 2018, 18, 251.	2.9	33
35	Patterns of Transmitted HIV Drug Resistance in Europe Vary by Risk Group. <i>PLoS ONE</i> , 2014, 9, e94495.	2.5	32
36	Assessment of S1-, S2-, and NCP-Specific IgM, IgA, and IgG Antibody Kinetics in Acute SARS-CoV-2 Infection by a Microarray and Twelve Other Immunoassays. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	3.9	30

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37	Integrated Immunologic Monitoring in Solid Organ Transplantation: The Road Toward Torque Teno Virus-guided Immunosuppression. <i>Transplantation</i> , 2022, 106, 1940-1951.	1.0	30
38	Analysis of the variability of CMV strains in the RL11D domain of the RL11 multigene family. <i>Virus Genes</i> , 2007, 35, 577-583.	1.6	29
39	Torque Teno Virus Load Is Associated With Subclinical Alloreactivity in Kidney Transplant Recipients: A Prospective Observational Trial. <i>Transplantation</i> , 2021, 105, 2112-2118.	1.0	29
40	Combined Analysis of the Prevalence of Drug-Resistant Hepatitis B Virus in Antiviral Therapy—Experienced Patients in Europe (CAPRE). <i>Journal of Infectious Diseases</i> , 2016, 213, 39-48.	4.0	28
41	Possible influence of the mutant CCR5 allele on vertical transmission of HIV-1. , 1998, 55, 51-55.		27
42	Torque teno viral load reflects immunosuppression in paediatric kidney-transplanted patients—a pilot study. <i>Pediatric Nephrology</i> , 2021, 36, 153-162.	1.7	27
43	Cytomegalovirus DNA Load Patterns Developing After Lung Transplantation Are Significantly Correlated With Long-Term Patient Survival. <i>Transplantation</i> , 2009, 87, 1720-1726.	1.0	26
44	Comparison of line probe assay (LIPA) and sequence analysis for detection of HIV-1 drug resistance. , 1999, 57, 283-289.		23
45	Temporal dynamics of the lung and plasma viromes in lung transplant recipients. <i>PLoS ONE</i> , 2018, 13, e0200428.	2.5	23
46	Characterization of Epstein-Barr virus Type I variants based on linked polymorphism among EBNA3A, -3B, and -3C genes. <i>Virus Research</i> , 2006, 118, 105-114.	2.2	22
47	NKG2C Deletion Is a Risk Factor for Human Cytomegalovirus Viremia and Disease After Lung Transplantation. <i>Journal of Infectious Diseases</i> , 2018, 217, 802-806.	4.0	22
48	Approaches for monitoring of non virus-specific and virus-specific T-cell response in solid organ transplantation and their clinical applications. <i>Journal of Clinical Virology</i> , 2015, 70, 109-119.	3.1	20
49	Prevalence of hepatitis-C virus RNA in serum and throat washings of children with chronic hepatitis. <i>Journal of Medical Virology</i> , 1994, 43, 143-147.	5.0	18
50	Cytomegalovirus genotypes present in cerebrospinal fluid of HIV-infected patients. <i>Aids</i> , 2005, 19, 273-8.	2.2	18
51	Human Cytomegalovirus Infection in Lung Transplant Recipients Triggers a CXCL-10 Response. <i>American Journal of Transplantation</i> , 2011, 11, 542-552.	4.7	17
52	Age-dependent increase of memory B cell response to cytomegalovirus in healthy adults. <i>Experimental Gerontology</i> , 2012, 47, 654-657.	2.8	17
53	Extent of Cytomegalovirus Replication in the Human Host Depends on Variations of the HLA-E/UL40 Axis. <i>MBio</i> , 2021, 12, .	4.1	17
54	RT-PCR based SARS-CoV-2 variant screening assays require careful quality control. <i>Journal of Clinical Virology</i> , 2021, 141, 104905.	3.1	17

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55	ASSOCIATION OF CYTOMEGALOVIRUS DNA CONCENTRATION IN EPITHELIAL LINING FLUID AND SYMPTOMATIC CYTOMEGALOVIRUS INFECTION IN LUNG TRANSPLANT RECIPIENTS. <i>Transplantation</i> , 2004, 77, 1897-1899.	1.0	16
56	Comparison of the Specificities of IgG, IgG-Subclass, IgA and IgM Reactivities in African and European HIV-Infected Individuals with an HIV-1 Clade C Proteome-Based Array. <i>PLoS ONE</i> , 2015, 10, e0117204.	2.5	14
57	The versatility of external quality assessment for the surveillance of laboratory and <i>in vitro</i> diagnostic performance: SARS-CoV-2 viral genome detection in Austria. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1735-1744.	2.3	14
58	Association of age and gender with alphaherpesvirus infections of the central nervous system in the immunocompetent host. <i>Journal of Clinical Virology</i> , 2012, 53, 356-359.	3.1	13
59	Low SARS-CoV-2 seroprevalence in the Austrian capital after an early governmental lockdown. <i>Scientific Reports</i> , 2021, 11, 10158.	3.3	13
60	Torque Teno Virus quantification for monitoring of immunomodulation with biologic compounds in the treatment of rheumatoid arthritis. <i>Rheumatology</i> , 2022, 61, 2815-2825.	1.9	12
61	High-affinity Fcγ3RIIIa genetic variants and potent NK cell-mediated antibody-dependent cellular cytotoxicity (ADCC) responses contributing to severe COVID-19. <i>Genetics in Medicine</i> , 2022, 24, 1449-1458.	2.4	12
62	Low Proportion of Recent Human Immunodeficiency Virus (HIV) Infections among Newly Diagnosed Cases of HIV Infection as Shown by the Presence of HIV-Specific Antibodies of Low Avidity. <i>Journal of Clinical Microbiology</i> , 2005, 43, 497-498.	3.9	11
63	Chronic Lymphocytic Leukemia Patients Have a Preserved Cytomegalovirus-Specific Antibody Response despite Progressive Hypogammaglobulinemia. <i>PLoS ONE</i> , 2013, 8, e78925.	2.5	11
64	High CXCL-16 Levels Correlate With Symptomatic Disease in Lung Transplant Recipients With Human Cytomegalovirus Replication in the Allograft. <i>American Journal of Transplantation</i> , 2014, 14, 2406-2411.	4.7	11
65	Analysis of human cytomegalovirus strain populations in urine samples of newborns by ultra deep sequencing. <i>Journal of Clinical Virology</i> , 2015, 73, 101-104.	3.1	11
66	Diagnosis of COVID-19 using multiple antibody assays in two cases with negative PCR results from nasopharyngeal swabs. <i>Infection</i> , 2021, 49, 171-175.	4.7	11
67	Association of HCMV specific IgG subclass antibody levels with gender and age. <i>Experimental Gerontology</i> , 2013, 48, 472-475.	2.8	10
68	Inadequate design of mutation detection panels prevents interpretation of variants of concern: results of an external quality assessment for SARS-CoV-2 variant detection. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, .	2.3	10
69	Herpesviruses and the transplanted lung: Looking at the air side. <i>Journal of Clinical Virology</i> , 2008, 43, 415-418.	3.1	9
70	Influence of Human Cytomegalovirus Glycoprotein O Polymorphism on the Inhibitory Effect of Soluble Forms of Trimer- and Pentamer-Specific Entry Receptors. <i>Journal of Virology</i> , 2020, 94, .	3.4	9
71	Deletion of the Natural Killer Cell Receptor NKG2C Encoding KLR2C Gene and Kidney Transplant Outcome. <i>Frontiers in Immunology</i> , 2022, 13, 829228.	4.8	8
72	Prevalence of hepatitis-C virus infection in children with chronic post-transfusion hepatitis. <i>Journal of Medical Virology</i> , 1992, 37, 298-302.	5.0	7

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73	Associations among Epstein-Barr Virus Subtypes, Human Leukocyte Antigen Class I Alleles, and the Development of Posttransplantation Lymphoproliferative Disorder in Bone Marrow Transplant Recipients. <i>Clinical Infectious Diseases</i> , 2007, 44, 693-695.	5.8	7
74	Association of human cytomegalovirus DNAemia and specific granzyme B responses in lung transplant recipients. <i>Clinical and Experimental Immunology</i> , 2013, 173, 438-443.	2.6	7
75	Metagenomic sequencing reveals time, host, and body compartment-specific viral dynamics after lung transplantation. <i>Microbiome</i> , 2022, 10, 66.	11.1	7
76	Dissection of the NKG2C NK cell response against Puumala Orthohantavirus. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0010006.	3.0	6
77	Results of a SARS-CoV-2 virus genome detection external quality assessment round focusing on sensitivity of assays and pooling of samples. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 1308-1312.	2.3	6
78	Subclass-specific antibody responses to human cytomegalovirus in lung transplant recipients and their association with constant heavy immunoglobulin G chain polymorphism and virus replication. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 370-377.	0.6	5
79	Human pegivirus 1 infection in lung transplant recipients: Prevalence, clinical relevance and kinetics of viral replication under immunosuppressive therapy. <i>Journal of Clinical Virology</i> , 2021, 143, 104937.	3.1	5
80	Association of CMV-Specific T Cell-Mediated Immunity with CMV DNAemia and Development of CMV Disease in HIV-1-Infected Individuals. <i>PLoS ONE</i> , 2015, 10, e0137096.	2.5	5
81	Association of Human Immunoglobulin G1 Heavy Chain Variants With Neutralization Capacity and Antibody-Dependent Cellular Cytotoxicity Against Human Cytomegalovirus. <i>Journal of Infectious Diseases</i> , 2016, 214, 1175-1179.	4.0	4
82	Human Cytomegalovirus (HCMV)-Specific Antibody Response and Development of Antibody-Dependent Cellular Cytotoxicity Against HCMV After Lung Transplantation. <i>Journal of Infectious Diseases</i> , 2020, 222, 417-427.	4.0	4
83	Association between chronic lung allograft dysfunction and human Cytomegalovirus UL40 peptide variants in lung-transplant recipients. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 900-904.	0.6	4
84	Possible influence of the mutant CCR5 allele on vertical transmission of HIV-1. <i>Journal of Medical Virology</i> , 1998, 55, 51-55.	5.0	4
85	A look at the precision, sensitivity and specificity of SARS-CoV-2 RT-PCR assays through a dedicated external quality assessment round. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, .	2.3	4
86	Investigation of Torque Teno Virus (TTV) DNA as an immunological and virological marker in pediatric hematopoietic stem cell transplantation (HSCT) patients. <i>Microbial Pathogenesis</i> , 2020, 149, 104397.	2.9	3
87	Analysis and Fine Specificity of the HCMV-Specific Cell-Free and Cell-Associated Antibody-Dependent Cellular Phagocytosis (ADCP) Responses in Lung Transplant Recipients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8206.	4.1	3
88	Seroconversion and avidity maturation of cytomegalovirus-specific IgG in D+/R ⁻ lung transplant patients receiving different prophylactic anti-viral regimens. <i>Journal of Heart and Lung Transplantation</i> , 2012, 31, 784-786.	0.6	1
89	Association between antibody functions and human cytomegalovirus (HCMV) replication after lung transplantation in HCMV-seropositive patients. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 299-302.	0.6	1
90	P1624TORQUE TENO VIRUS FOR RISK STRATIFICATION OF GRAFT REJECTION AND INFECTION IN KIDNEY TRANSPLANT RECIPIENTS - A PROSPECTIVE OBSERVATIONAL TRIAL. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .	0.7	1

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91	THU0101â€¦TORQUE TENO VIRAL LOAD FOR MONITORING OF BIOLOGICAL THERAPIES IN RHEUMATOID ARTHRITIS. , 2019, , .		0
92	P1643TORQUE TENO VIRUS FOR RISK STRATIFICATION OF SUBCLINICAL GRAFT REJECTION AFTER KIDNEY TRANSPLANTATION- A PROSPECTIVE STUDY. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
93	Complexity of Human Cytomegalovirus Infection in South African HIV-Exposed Infants with Pneumonia. Viruses, 2022, 14, 855.	3.3	0
94	FC 106: Validation of the Optimal Torque Teno Virus Range for Risk Stratification of Graft Rejection and Infection in Kidney Transplant Recipients by TTV R-GENEÂ®. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0
95	MO1022: Torque Teno Virus Load in Kidney Transplantation: Association with Donor and Recipient Characteristics and Clinical Follow-Up Data. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0