

Igor A Sidorov

List of Publications by Year in descending order

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49
papers

3,530
citations

279798

23
h-index

214800

47
g-index

57
all docs

57
docs citations

57
times ranked

6473
citing authors

#	ARTICLE	IF	CITATIONS
1	Translating genomic exploration of the family Polyomaviridae into confident human polyomavirus detection. <i>IScience</i> , 2022, 25, 103613.	4.1	2
2	Genome-wide diversity of Zika virus: Exploring spatio-temporal dynamics to guide a new nomenclature proposal. <i>Virus Evolution</i> , 2022, 8, veac029.	4.9	5
3	Longitudinal Monitoring of DNA Viral Loads in Transplant Patients Using Quantitative Metagenomic Next-Generation Sequencing. <i>Pathogens</i> , 2022, 11, 236.	2.8	3
4	Performance of Five Metagenomic Classifiers for Virus Pathogen Detection Using Respiratory Samples from a Clinical Cohort. <i>Pathogens</i> , 2022, 11, 340.	2.8	4
5	Haem is crucial for medium-dependent metronidazole resistance in clinical isolates of <i>Clostridioides difficile</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1731-1740.	3.0	34
6	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
7	Torque teno virus loads after kidney transplantation predict allograft rejection but not viral infection. <i>Journal of Clinical Virology</i> , 2021, 140, 104871.	3.1	28
8	Benchmark of thirteen bioinformatic pipelines for metagenomic virus diagnostics using datasets from clinical samples. <i>Journal of Clinical Virology</i> , 2021, 141, 104908.	3.1	28
9	Viral metagenomic sequencing in a cohort of international travellers returning with febrile illness. <i>Journal of Clinical Virology</i> , 2021, 143, 104940.	3.1	10
10	Rhinovirus Detection in the Nasopharynx of Children Undergoing Cardiac Surgery Is Not Associated With Longer PICU Length of Stay: Results of the Impact of Rhinovirus Infection After Cardiac Surgery in Kids (RISK) Study. <i>Pediatric Critical Care Medicine</i> , 2021, 22, e79-e90.	0.5	2
11	Retrospective Validation of a Metagenomic Sequencing Protocol for Combined Detection of RNA and DNA Viruses Using Respiratory Samples from Pediatric Patients. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 196-207.	2.8	56
12	Coronavirus discovery by metagenomic sequencing: a tool for pandemic preparedness. <i>Journal of Clinical Virology</i> , 2020, 131, 104594.	3.1	31
13	Improved diagnosis of viral encephalitis in adult and pediatric hematological patients using viral metagenomics. <i>Journal of Clinical Virology</i> , 2020, 130, 104566.	3.1	35
14	STROBE-metagenomics: a STROBE extension statement to guide the reporting of metagenomics studies. <i>Lancet Infectious Diseases</i> , The, 2020, 20, e251-e260.	9.1	40
15	SARS-coronavirus-2 replication in Vero E6 cells: replication kinetics, rapid adaptation and cytopathology. <i>Journal of General Virology</i> , 2020, 101, 925-940.	2.9	465
16	Rapid Elimination of Broadly Neutralizing Antibodies Correlates with Treatment Failure in the Acute Phase of Simian-Human Immunodeficiency Virus Infection. <i>Journal of Virology</i> , 2019, 93, .	3.4	8
17	The respiratory virome and exacerbations in patients with chronic obstructive pulmonary disease. <i>PLoS ONE</i> , 2019, 14, e0223952.	2.5	51
18	Discovery of an essential nucleotidylating activity associated with a newly delineated conserved domain in the RNA polymerase-containing protein of all nidoviruses. <i>Nucleic Acids Research</i> , 2015, 43, 8416-8434.	14.5	197

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19	Practical application of bioinformatics by the multidisciplinary VIZIER consortium. <i>Antiviral Research</i> , 2010, 87, 95-110.	4.1	39
20	Quantitative cortical synapse proteomics of a transgenic migraine mouse model with mutated Ca _v 2.1 calcium channels. <i>Proteomics</i> , 2010, 10, 2531-2535.	2.2	21
21	SNAD: sequence name annotation-based designer. <i>BMC Bioinformatics</i> , 2009, 10, 251.	2.6	6
22	Leukocyte telomere dynamics and human hematopoietic stem cell kinetics during somatic growth. <i>Experimental Hematology</i> , 2009, 37, 514-524.	0.4	114
23	Potent cross-reactive neutralization of SARS coronavirus isolates by human monoclonal antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12123-12128.	7.1	276
24	Correlation between binding rate constants and individual information of E. coli Fis binding sites. <i>Nucleic Acids Research</i> , 2007, 35, 5275-5283.	14.5	30
25	Cross-reactive HIV-1 neutralizing monoclonal antibodies selected by screening of an immune human phage library against an envelope glycoprotein (gp140) isolated from a patient (R2) with broadly HIV-1 neutralizing antibodies. <i>Virology</i> , 2007, 363, 79-90.	2.4	57
26	Increased efficacy of HIV-1 neutralization by antibodies at low CCR5 surface concentration. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1107-1115.	2.1	62
27	Energy cost of infection burden: An approach to understanding the dynamics of host-pathogen interactions. <i>Journal of Theoretical Biology</i> , 2006, 241, 1-13.	1.7	43
28	A probability model predicting initiation efficiency of retroviral vectors with two primer-binding sites. <i>Journal of Theoretical Biology</i> , 2006, 242, 347-355.	1.7	0
29	Selection of a novel gp41-specific HIV-1 neutralizing human antibody by competitive antigen panning. <i>Journal of Immunological Methods</i> , 2006, 317, 21-30.	1.4	32
30	Naïve T-Cell Dynamics in Human Immunodeficiency Virus Type 1 Infection: Effects of Highly Active Antiretroviral Therapy Provide Insights into the Mechanisms of Naïve T-Cell Depletion. <i>Journal of Virology</i> , 2006, 80, 2665-2674.	3.4	66
31	Limiting Dilution Analysis of Interleukin-2 Producing Helper T-cell Frequencies as a Tool in Allogeneic Hematopoietic Cell Transplantation. <i>Transplantation</i> , 2005, 80, 573-581.	1.0	5
32	Retinoic acid-induced downmodulation of telomerase activity in human cancer cells. <i>Experimental and Molecular Pathology</i> , 2005, 79, 108-117.	2.1	14
33	Induction of prolonged survival of CD4+ T lymphocytes by intermittent IL-2 therapy in HIV-infected patients. <i>Journal of Clinical Investigation</i> , 2005, 115, 2139-2148.	8.2	115
34	Identification and Characterization of a New Cross-Reactive Human Immunodeficiency Virus Type 1-Neutralizing Human Monoclonal Antibody. <i>Journal of Virology</i> , 2004, 78, 9233-9242.	3.4	80
35	Identification of a novel CD4i human monoclonal antibody Fab that neutralizes HIV-1 primary isolates from different clades. <i>Antiviral Research</i> , 2004, 61, 161-164.	4.1	26
36	A kinetic model of telomere shortening in infants and adults. <i>Journal of Theoretical Biology</i> , 2004, 226, 169-175.	1.7	19

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37	Role of Ets/Id proteins for telomerase regulation in human cancer cells. <i>Experimental and Molecular Pathology</i> , 2003, 75, 238-247.	2.1	32
38	Cancer treatment by telomerase inhibitors: predictions by a kinetic model. <i>Mathematical Biosciences</i> , 2003, 181, 209-221.	1.9	15
39	Multiple Interactions across the Surface of the gp120 Core Structure Determine the Global Neutralization Resistance Phenotype of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2003, 77, 8061-8071.	3.4	18
40	Concordant Modulation of Neutralization Resistance and High Infectivity of the Primary Human Immunodeficiency Virus Type 1 MN Strain and Definition of a Potential gp41 Binding Site in gp120. <i>Journal of Virology</i> , 2003, 77, 560-570.	3.4	23
41	Dissection of Human Immunodeficiency Virus Type 1 Entry with Neutralizing Antibodies to gp41 Fusion Intermediates. <i>Journal of Virology</i> , 2002, 76, 6780-6790.	3.4	115
42	Broadly cross-reactive HIV-1-neutralizing human monoclonal Fab selected for binding to gp120-CD4-CCR5 complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6913-6918.	7.1	203
43	Conserved Structures Exposed in HIV-1 Envelope Glycoproteins Stabilized by Flexible Linkers as Potent Entry Inhibitors and Potential Immunogens. <i>Biochemistry</i> , 2002, 41, 7176-7182.	2.5	19
44	Cancer Cell Dynamics in Presence of Telomerase Inhibitors: Analysis of In Vitro Data. <i>Journal of Theoretical Biology</i> , 2002, 219, 225-233.	1.7	9
45	Renal transplant patients show variations in their self-reactive repertoires: a serial study. <i>International Immunology</i> , 2001, 13, 747-755.	4.0	7
46	Identification of Dynamically Distinct Subpopulations of T Lymphocytes That Are Differentially Affected by HIV. <i>Journal of Experimental Medicine</i> , 2001, 194, 1731-1741.	8.5	203
47	Mathematical modeling of citric acid production by repeated batch culture. <i>Enzyme and Microbial Technology</i> , 2000, 26, 826-833.	3.2	17
48	Inhibition analysis of hydroxyquinol-cleaving dioxygenases from the chlorophenol-degrading <i>Azotobacter</i> sp. GP1 and <i>Streptomyces rochei</i> 303. <i>Journal of Basic Microbiology</i> , 1999, 39, 61-73.	3.3	5
49	Purification and properties of polyphosphatase from <i>Saccharomyces cerevisiae</i> cytosol. , 1998, 14, 383-390.		13