Petr Holub

List of Publications by Year
in descending order

55 papers	**903** citations	**14** h-index
62 all docs	**62** docs citations	**62** times ranked

623188

525886

27 g-index	**1966** citing authors

#	Article	IF	Citations
1	Automated annotations of epithelial cells and stroma in ‹scp›hematoxylinâ€"eosin‹/scp›â€stained wholeâ€slide images using cytokeratin reâ€staining. Journal of Pathology: Clinical Research, 2022, 8, 129-142.	1.3	2
2	ISO 23494: Biotechnology â€" Provenance Information Model for Biological Specimen And Data. Lecture Notes in Computer Science, 2021, , 222-225.	1.0	3
3	BBMRI-ERIC Negotiator: Implementing Efficient Access to Biobanks. Biopreservation and Biobanking, 2021, 19, 414-421.	0.5	2
4	Correction to: ISO 23494: Biotechnology â€" Provenance Information Model for Biological Specimen And Data. Lecture Notes in Computer Science, 2021, , C1-C1.	1.0	0
5	The Data Use Ontology to streamline responsible access to human biomedical datasets. Cell Genomics, 2021, 1, 100028.	3.0	31
6	GA4GH: International policies and standards for data sharing across genomic research and healthcare. Cell Genomics, 2021, 1, 100029.	3.0	94
7	Expanding the BBMRI-ERIC Directory into a Global Catalogue of COVID-19â€"Ready Collections: A Joint Initiative of BBMRI-ERIC and ISBER. Biopreservation and Biobanking, 2020, 18, 479-480.	0.5	5
8	BBMRI-ERICâ€™s contributions to research and knowledge exchange on COVID-19. European Journal of Human Genetics, 2020, 28, 728-731.	1.4	17
9	Extending the Minimum Information About Biobank Data Sharing Terminology to Describe Samples, Sample Donors, and Events. Biopreservation and Biobanking, 2020, 18, 155-164.	0.5	25
10	State of FAIRness in ESFRI Projects. Data Intelligence, 2020, 2, 230-237.	0.8	5
11	Leveraging European infrastructures to access 1 million human genomes by 2022. Nature Reviews Genetics, 2019, 20, 693-701.	7.7	69
12	Pan-European Data Harmonization for Biobanks in ADOPT BBMRI-ERIC. Applied Clinical Informatics, 2019, 10, 679-692.	0.8	12
13	PhenoMeNal: processing and analysis of metabolomics data in the cloud. GigaScience, 2019, 8, .	3.3	60
14	Enhancing ‹i›Reuse‹/i› of Data and Biological Material in Medical Research: From FAIR to FAIR-Health. Biopreservation and Biobanking, 2018, 16, 97-105.	0.5	71
15	Dynamic reconfiguration in multigroup multicast routing under uncertainty. Journal of Heuristics, 2018, 24, 395-423.	1.1	0
16	Conception and Implementation of an Austrian Biobank Directory Integration Framework. Biopreservation and Biobanking, 2017, 15, 332-340.	0.5	11
17	BiobankUniverse: automatic matchmaking between datasets for biobank data discovery and integration. Bioinformatics, 2017, 33, 3627-3634.	1.8	3
18	Four simple recommendations to encourage best practices in research software. F1000Research, 2017, 6, 876.	0.8	88

#	Article	IF	Citations
19	A Decentralized IT Architecture for Locating and Negotiating Access to Biobank Samples. Studies in Health Technology and Informatics, 2017, 243, 75-79.	0.2	7
20	BBMRI-ERIC Directory: 515 Biobanks with Over 60 Million Biological Samples. Biopreservation and Biobanking, 2016, 14, 559-562.	0.5	68
21	BBMRI-ERIC: the novel gateway to biobanks. Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz, 2016, 59, 379-384.	7.2	37
22	Toward Global Biobank Integration by Implementation of the Minimum Information About Biobank Data Sharing (MIABIS 2.0 Core). Biopreservation and Biobanking, 2016, 14, 298-306.	0.5	66
23	Toward natural multi-user interaction in advanced collaborative display environments. Future Generation Computer Systems, 2016, 54, 313-325.	4.9	3
24	High-performance forward error correction: Enabling multi-gigabit flows and beyond on commodity GPU and CPU hardware in presence of packet loss. Future Generation Computer Systems, 2016, 54, 326-335.	4.9	2
25	Local Search Heuristics for Media Streams Planning with Transcoding. , 2014, , .		0
26	Media Streams Planning with Uncertain Link Capacities. , 2014, , .		1
27	GPU-accelerated DXT and JPEG compression schemes for low-latency network transmissions of HD, 2K, and 4K video. Future Generation Computer Systems, 2013, 29, 1991-2006.	4.9	25
28	Media Streams Planning with Transcoding. , 2013, , .		4
29	Local Search Heuristics for Media Streams Planning Problem. , 2013, , .		1
30	Towards User-Aware Multi-touch Interaction Layer for Group Collaborative Systems. Lecture Notes in Computer Science, 2013, , 200-212.	1.0	0
31	GPU-specific reformulations of image compression algorithms. Proceedings of SPIE, 2012, , .	0.8	3
32	UltraGrid. , 2012, , .		16
33	Low GPU Occupancy Approach to Fast Arithmetic Coding in JPEG2000. Lecture Notes in Computer Science, 2012, , 136-145.	1.0	8
34	Exploring Collaboration in Group-to-Group Videoconferencing. , 2012, , 229-244.		0
35	Efficient JPEG2000 EBCOT Context Modeling for Massively Parallel Architectures. , 2011, , .		13
36	Data transfer planning with tree placement for collaborative environments. Constraints, 2011, 16, 283-316.	0.4	8

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37	Exploring trust in group-to-group video-conferencing. , 2011, , .		1
38	Design and implementation of a production dynamically configurable testbed. , 2010, , .		2
39	GColl. , 2010, , .		3
40	CoUniverse Orchestrated Collaborative Environments with Dynamic Circuit Networks. , 2010, , .		1
41	GColl group-to-group videoconferencing system: design and first experiences. , 2009, , .		0
42	VirtCloud: Virtualising Network for Grid Environments First Experiences. , 2009, , .		2
43	jSon: Network of Active Elements with Peer-to-Peer Control Plane. , 2009, , .		0
44	CoUniverse: Framework for Building Self-Organizing Collaborative Environments Using Extreme-Bandwidth Media Applications. , 2009, , .		2
45	CoUniverse: Framework for Building Self-organizing Collaborative Environments Using Extreme-Bandwidth Media Applications. Lecture Notes in Computer Science, 2009, , 339-351.	1.0	5
46	Uncompressed HD video for collaborative teaching — an experiment. , 2007, , .		9
47	Distributed active element in 10 Gbps network. , 2007, , .		0
48	Transparent security for collaborative environments. , 2007, , .		1
49	Bonding and aromaticity of cyclic phosphazenes viewed as interaction of Dnh fragments. Computational and Theoretical Chemistry, 2007, 820, 148-158.	1.5	19
50	Secure and pervasive collaborative platform for medical applications. Studies in Health Technology and Informatics, 2007, 126, 229-38.	0.2	2
51	High-definition multimedia for multiparty low-latency interactive communication. Future Generation Computer Systems, 2006, 22, 856-861.	4.9	32
52	Distributed and collaborative visualization of large data sets using high-speed networks. Future Generation Computer Systems, 2006, 22, 1004-1010.	4.9	27
53	Grid Infrastructure Monitoring as Reliable Information Service. Lecture Notes in Computer Science, 2004, , 220-229.	1.0	7
54	User-Empowered Programmable Network Support for Collaborative Environment. Lecture Notes in Computer Science, 2004, , 367-376.	1.0	11

#	Article	IF	Citations
55	Virtual Multicast. , 0, , .		0