Peter Hufnagl

List of Publications by Year
in descending order

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43 papers	3,317 citations	471509 17 h-index	302126 39 g-index
51 all docs	51 docs citations	51 times ranked	5318 citing authors

#	Article	IF	Citations
1	EMPAIA App interface: An open and vendor-neutral interface for AI applications in pathology. Computer Methods and Programs in Biomedicine, 2022, 215, 106596.	4.7	3
2	Computational augmentation of neoplastic endometrial glands in digital pathology displays. Journal of Pathology, 2021, 253, 258-267.	4.5	6
3	Artificial Intelligence in Pathology: From Prototype to Product. Journal of Pathology Informatics, 2021, 12, 13.	1.7	20
4	Artificial Intelligence in Pathology. Deutsches Ärzteblatt International, 2021, 118, 194-204.	0.9	23
5	On Divide&Conquer in Image Processing of Data Monster. Big Data Research, 2021, 25, 100214.	4.2	0
6	Curious Containers: A framework for computational reproducibility in life sciences with support for Deep Learning applications. Future Generation Computer Systems, 2020, 112, 209-227.	7.5	8
7	Assessment of scalability and performance of the record linkage tool E-PIXÂ® in managing multi-million patients in research projects at a large university hospital in Germany. Journal of Translational Medicine, 2020, 18, 86.	4.4	5
8	OBDEX â€“ Open Block Data Exchange System. Lecture Notes in Computer Science, 2020, , 118-135.	1.3	0
9	Higher Education Teaching Material on Machine Learning in the Domain of Digital Pathology. Lecture Notes in Computer Science, 2020, , 155-174.	1.3	0
10	Extension of the Identity Management System Mainzelliste to Reduce Runtimes for Patient Registration in Large Datasets. Lecture Notes in Computer Science, 2020, , 228-245.	1.3	0
11	A Gray-box Testing Method for Divide&Conquer in Image Processing. , 2019, , .		1
12	Necrosis in anti-SRP ⁺ and anti-HMGCR ⁺ myopathies. Neurology, 2018, 90, e507-e517.	1.1	132
13	Computational analysis reveals histotype-dependent molecular profile and actionable mutation effects across cancers. Genome Medicine, 2018, 10, 83.	8.2	8
14	A general framework dedicated to computational morphogenesis Part II â€“ Knowledge representation and architecture. BioSystems, 2018, 173, 314-334.	2.0	2
15	A general framework dedicated to computational morphogenesis Part I â€“ Constitutive equations. BioSystems, 2018, 173, 298-313.	2.0	4
16	Computational morphogenesis â€“ Embryogenesis, cancer research and digital pathology. BioSystems, 2018, 169-170, 40-54.	2.0	11
17	Diagnostic Assessment of Deep Learning Algorithms for Detection of Lymph Node Metastases in Women With Breast Cancer. JAMA - Journal of the American Medical Association, 2017, 318, 2199.	7.4	2,003
18	Deep convolutional neural networks for automatic classification of gastric carcinoma using whole slide images in digital histopathology. Computerized Medical Imaging and Graphics, 2017, 61, 2-13.	5.8	234

#	Article	IF	Citations
19	Preface. Computerized Medical Imaging and Graphics, 2017, 61, 1.	5.8	0
20	A Comparative Study of Cell Nuclei Attributed Relational Graphs for Knowledge Description and Categorization in Histopathological Gastric Cancer Whole Slide Images. , 2017, , .		9
21	Cell nuclei attributed relational graphs for efficient representation and classification of gastric cancer in digital histopathology. Proceedings of SPIE, 2016, , .	0.8	3
22	Dermatomyositis With or Without Anti-Melanoma Differentiation-Associated Gene 5 Antibodies. American Journal of Pathology, 2016, 186, 691-700.	3.8	78
23	Reproducibility of Her2/neu scoring in gastric cancer and assessment of the 10% cutâ€off rule. Cancer Medicine, 2015, 4, 235-244.	2.8	17
24	Appearance-based necrosis detection using textural features and SVM with discriminative thresholding in histopathological whole slide images. , 2015, , .		8
25	Gestenbasierte Interaktionsmethoden fÃ¼r die virtuelle Mikroskopie. Informatik Aktuell, 2015, , 431-436.	0.6	0
26	Cancer beyond organ and tissue specificity: Nextâ€generationâ€sequencing gene mutation data reveal complex genetic similarities across major cancers. International Journal of Cancer, 2014, 135, 2362-2369.	5.1	36
27	Long-term analysis to objectify the tumour grading by means of automated microscopic image analysis of the nucleolar organizer regions (AgNORs) in the case of breast carcinoma. Diagnostic Pathology, 2013, 8, 56.	2.0	16
28	CognitionMaster: an object-based image analysis framework. Diagnostic Pathology, 2013, 8, 34.	2.0	45
29	Determining similarity in histological images using graph-theoretic description and matching methods for content-based image retrieval in medical diagnostics. Diagnostic Pathology, 2012, 7, 134.	2.0	24
30	Telestroke Ambulances in Prehospital Stroke Management. Stroke, 2012, 43, 2086-2090.	2.0	103
31	Detection and Segmentation of Cell Nuclei in Virtual Microscopy Images: A Minimum-Model Approach. Scientific Reports, 2012, 2, 503.	3.3	188
32	Distributed computing in image analysis using open source frameworks and application to image sharpness assessment of histological whole slide images. Diagnostic Pathology, 2011, 6, S16.	2.0	32
33	Integration and acceleration of virtual microscopy as the key to successful implementation into the routine diagnostic process. Diagnostic Pathology, 2009, 4, 3.	2.0	47
34	Image standards in Tissue-Based Diagnosis (Diagnostic Surgical Pathology). Diagnostic Pathology, 2008, 3, 17.	2.0	44
35	The diagnostic path, a useful visualisation tool in virtual microscopy. Diagnostic Pathology, 2006, 1, 40.	2.0	33
36	Teleconsultation in diagnostic pathology: experience from Iran and Germany with the use of two European telepathology servers. Journal of Telemedicine and Telecare, 2004, 10, 99-103.	2.7	30

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37	Improvement of breast cancer prognostication using cell kinetic-based silver-stainable nucleolar organizer region quantification of the MIB-1 positive tumor cell compartment. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2001, 438, 478-484.	2.8	11
38	Fetal Autopsy: The Most Important Contribution of Pathology in a Center for Perinatal Medicine. Fetal Diagnosis and Therapy, 2001, 16, 384-393.	1.4	7
39	The UICC Telepathology Consultation Center. Cancer, 2000, 89, 187-191.	4.1	64
40	Diagnosis of Congenital Heart Malformations â€“ Possibilities for the Employment of Telepathology. Analytical Cellular Pathology, 2000, 21, 229-235.	2.1	5
41	Different Proliferation Patterns in Breast Cancer: AgNOR Measurements in ER-Negative and ER-Positive Tumor Cells. Analytical Cellular Pathology, 2000, 20, 155-162.	2.1	5
42	Technique and Feasibility of a Dual Staining Method for Estrogen Receptors and AgNORs. Analytical Cellular Pathology, 2000, 20, 151-154.	2.1	2
43	Computer-assisted image analysis of nucleolar organizer regions (NORs): A pilot study of astrocytomas and glioblastomas. Acta Histochemica, 1991, 90, 189-196.	1.8	8