

Andreas Holzinger

List of Publications by Year in descending order

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Version: 2024-02-01

425
papers

15,308
citations

26567

56
h-index

34900

98
g-index

461
all docs

461
docs citations

461
times ranked

12184
citing authors

#	ARTICLE	IF	CITATIONS
1	Usability engineering methods for software developers. <i>Communications of the ACM</i> , 2005, 48, 71-74.	3.3	664
2	Causability and explainability of artificial intelligence in medicine. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1312.	4.6	647
3	Interactive machine learning for health informatics: when do we need the human-in-the-loop?. <i>Brain Informatics</i> , 2016, 3, 119-131.	1.8	563
4	Successful implementation of user-centered game based learning in higher education: An example from civil engineering. <i>Computers and Education</i> , 2007, 49, 873-890.	5.1	467
5	Desiccation stress and tolerance in green algae: consequences for ultrastructure, physiological and molecular mechanisms. <i>Frontiers in Plant Science</i> , 2013, 4, 327.	1.7	229
6	Towards multi-modal causability with Graph Neural Networks enabling information fusion for explainable AI. <i>Information Fusion</i> , 2021, 71, 28-37.	11.7	210
7	Algae and UV irradiation: Effects on ultrastructure and related metabolic functions. <i>Micron</i> , 2006, 37, 190-207.	1.1	209
8	Ambient Intelligence in Assisted Living: Enable Elderly People to Handle Future Interfaces. <i>Lecture Notes in Computer Science</i> , 2007, , 103-112.	1.0	207
9	Evaluating the Quality of Machine Learning Explanations: A Survey on Methods and Metrics. <i>Electronics (Switzerland)</i> , 2021, 10, 593.	1.8	187
10	Legal, regulatory, and ethical frameworks for development of standards in artificial intelligence (AI) and autonomous robotic surgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2019, 15, e1968.	1.2	184
11	Biomedical image augmentation using Augmentor. <i>Bioinformatics</i> , 2019, 35, 4522-4524.	1.8	174
12	Measuring the Quality of Explanations: The System Causability Scale (SCS). <i>KI - Kunstliche Intelligenz</i> , 2020, 34, 193-198.	2.2	173
13	Knowledge Discovery and interactive Data Mining in Bioinformatics - State-of-the-Art, future challenges and research directions. <i>BMC Bioinformatics</i> , 2014, 15, 11.	1.2	161
14	Explainable AI: The New 42?. <i>Lecture Notes in Computer Science</i> , 2018, , 295-303.	1.0	159
15	Learning performance with interactive simulations in medical education: Lessons learned from results of learning complex physiological models with the HAEMOdynamics SIMulator. <i>Computers and Education</i> , 2009, 52, 292-301.	5.1	157
16	Interactive machine learning: experimental evidence for the human in the algorithmic loop. <i>Applied Intelligence</i> , 2019, 49, 2401-2414.	3.3	151
17	From Machine Learning to Explainable AI. , 2018, , .		149
18	Augmentor: An Image Augmentation Library for Machine Learning. <i>Journal of Open Source Software</i> , 2017, 2, 432.	2.0	144

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19	Transcriptomics of Desiccation Tolerance in the Streptophyte Green Alga <i>Klebsormidium</i> Reveal a Land Plant-Like Defense Reaction. <i>PLoS ONE</i> , 2014, 9, e110630.	1.1	130
20	Jasplakinolide: An Actin-Specific Reagent that Promotes Actin Polymerization. <i>Methods in Molecular Biology</i> , 2009, 586, 71-87.	0.4	123
21	The vegetative arctic freshwater green alga <i>Zygnema</i> is insensitive to experimental UV exposure. <i>Micron</i> , 2009, 40, 831-838.	1.1	120
22	Abiotic Stress Tolerance of Charophyte Green Algae: New Challenges for Omics Techniques. <i>Frontiers in Plant Science</i> , 2016, 7, 678.	1.7	120
23	On Some Aspects of Improving Mobile Applications for the Elderly. <i>Lecture Notes in Computer Science</i> , 2007, , 923-932.	1.0	114
24	Green algae in alpine biological soil crust communities: acclimation strategies against ultraviolet radiation and dehydration. <i>Biodiversity and Conservation</i> , 2014, 23, 1845-1858.	1.2	112
25	Recommender systems in the healthcare domain: state-of-the-art and research issues. <i>Journal of Intelligent Information Systems</i> , 2021, 57, 171-201.	2.8	110
26	Light, Temperature, and Desiccation Effects on Photosynthetic Activity, and Drought-Induced Ultrastructural Changes in the Green Alga <i>Klebsormidium dissectum</i> (Streptophyta) from a High Alpine Soil Crust. <i>Microbial Ecology</i> , 2012, 63, 51-63.	1.4	107
27	Human Activity Recognition Using Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 267-274.	1.0	103
28	ECOPHYSIOLOGICAL PERFORMANCE OF THE AEROTERRESTRIAL GREEN ALGA <i>KLEBSORMIDIUM CRENULATUM</i> (CHAROPHYCEAE, STREPTOPHYTA) ISOLATED FROM AN ALPINE SOIL CRUST WITH AN EMPHASIS ON DESICCATION STRESS. <i>Journal of Phycology</i> , 2010, 46, 1187-1197.	1.0	101
29	Information fusion as an integrative cross-cutting enabler to achieve robust, explainable, and trustworthy medical artificial intelligence. <i>Information Fusion</i> , 2022, 79, 263-278.	11.7	100
30	Current Advances, Trends and Challenges of Machine Learning and Knowledge Extraction: From Machine Learning to Explainable AI. <i>Lecture Notes in Computer Science</i> , 2018, , 1-8.	1.0	99
31	Wave reflection quantification based on pressure waveforms alone—Methods, comparison, and clinical covariates. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 109, 250-259.	2.6	97
32	A new concordant partial AUC and partial c statistic for imbalanced data in the evaluation of machine learning algorithms. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 4.	1.5	97
33	The effect of previous exposure to technology on acceptance and its importance in usability and accessibility engineering. <i>Universal Access in the Information Society</i> , 2011, 10, 245-260.	2.1	96
34	Enhanced Desiccation Tolerance in Mature Cultures of the Streptophytic Green Alga <i>Zygnema circumcarinatum</i> Revealed by Transcriptomics. <i>Plant and Cell Physiology</i> , 2017, 58, 2067-2084.	1.5	95
35	Ecophysiology and ultrastructure of <i>Ancylonema nordenskiöldii</i> (Zygnematales, Streptophyta), causing brown ice on glaciers in Svalbard (high arctic). <i>Polar Biology</i> , 2012, 35, 899-908.	0.5	94
36	Utilizing Wiki-Systems in higher education classes: a chance for universal access?. <i>Universal Access in the Information Society</i> , 2008, 7, 199-207.	2.1	88

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37	Photosynthetic efficiency, desiccation tolerance and ultrastructure in two phylogenetically distinct strains of alpine <i>Zygnema</i> sp. (Zygnematophyceae, Streptophyta): role of pre-akinetete formation. <i>Protoplasma</i> , 2015, 252, 571-589.	1.0	88
38	Common ragweed (<i>Ambrosia artemisiifolia</i> L.): allergenicity and molecular characterization of pollen after plant exposure to elevated NO ₂ . <i>Plant, Cell and Environment</i> , 2016, 39, 147-164.	2.8	88
39	DESICCATION STRESS CAUSES STRUCTURAL AND ULTRASTRUCTURAL ALTERATIONS IN THE AEROTERRESTRIAL GREEN ALGA <i>KLEBSORMIDIUM CRENULATUM</i> (KLEBSORMIDIOPHYCEAE, STREPTOPHYTA) ISOLATED FROM AN ALPINE SOIL CRUST1. <i>Journal of Phycology</i> , 2011, 47, 591-602.	1.0	84
40	In silico cancer research towards 3R. <i>BMC Cancer</i> , 2018, 18, 408.	1.1	83
41	Fluorescent chlorophyll catabolites in bananas light up blue halos of cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15538-15543.	3.3	79
42	Design and development of a mobile computer application to reengineer workflows in the hospital and the methodology to evaluate its effectiveness. <i>Journal of Biomedical Informatics</i> , 2011, 44, 968-977.	2.5	79
43	Human-Computer Interaction and Knowledge Discovery (HCI-KDD): What Is the Benefit of Bringing Those Two Fields to Work Together?. <i>Lecture Notes in Computer Science</i> , 2013, , 319-328.	1.0	78
44	Knowledge Discovery and Data Mining in Biomedical Informatics: The Future Is in Integrative, Interactive Machine Learning Solutions. <i>Lecture Notes in Computer Science</i> , 2014, , 1-18.	1.0	78
45	Explainable AI Methods - A Brief Overview. <i>Lecture Notes in Computer Science</i> , 2022, , 13-38.	1.0	77
46	Effects of <i>arc3</i> , <i>arc5</i> and <i>arc6</i> Mutations on Plastid Morphology and Stromule Formation in Green and Nongreen Tissues of <i>Arabidopsis thaliana</i> . <i>Photochemistry and Photobiology</i> , 2008, 84, 1324-1335.	1.3	76
47	Investigating Usability Metrics for the Design and Development of Applications for the Elderly. <i>Lecture Notes in Computer Science</i> , 2008, , 98-105.	1.0	76
48	Nitrogen Limitation and Slow Drying Induce Desiccation Tolerance in Conjugating Green Algae (Zygnematophyceae, Streptophyta) from Polar Habitats. <i>PLoS ONE</i> , 2014, 9, e113137.	1.1	76
49	Medical Technology in Smart Homes: Exploring the User's Perspective on Privacy, Intimacy and Trust. , 2011, , .		74
50	Osmotic stress in Arctic and Antarctic strains of the green alga <i>Zygnema</i> (Zygnematales.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td</i>	1.1	78
51	Dehydration, temperature, and light tolerance in members of the aeroterrestrial green algal genus <i>Interfilum</i> (Streptophyta) from biogeographically different temperate soils. <i>Journal of Phycology</i> , 2014, 50, 804-816.	1.0	72
52	Explainable Artificial Intelligence: Concepts, Applications, Research Challenges and Visions. <i>Lecture Notes in Computer Science</i> , 2020, , 1-16.	1.0	72
53	Selection of entropy-measure parameters for knowledge discovery in heart rate variability data. <i>BMC Bioinformatics</i> , 2014, 15, S2.	1.2	70
54	Why imaging data alone is not enough: AI-based integration of imaging, omics, and clinical data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2722-2730.	3.3	69

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55	Physiology, ultrastructure and habitat of the ice alga <i>Mesotaenium berggrenii</i> (Zygnemaphyceae.) <i>Tj ETQq1</i> 1,0,784314,rgBT /Ove	0.6	65
56	Deep ROC Analysis and AUC as Balanced Average Accuracy, for Improved Classifier Selection, Audit and Explanation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, 45, 329-341.	9.7	65
57	Lifelong-learning support by m-learning. <i>ELearn</i> , 2005, 2005, 2.	0.1	64
58	Mobile Phones as a Challenge for m-Learning: Examples for Mobile Interactive Learning Objects (MILOs). , 0, , .		63
59	Ultrastructure and photosynthesis in the supralittoral green macroalga <i>Prasiola crispa</i> from Spitsbergen (Norway) under UV exposure. <i>Phycologia</i> , 2006, 45, 168-177.	0.6	63
60	Jasplakinolide, a novel actin targeting peptide, inhibits cell growth and induces actin filament polymerization in the green alga <i>Micrasterias</i> . , 1997, 38, 365-372.		62
61	Mobile computer Web-application design in medicine: some research based guidelines. <i>Universal Access in the Information Society</i> , 2007, 6, 31-41.	2.1	62
62	The Ten Commandments of Ethical Medical AI. <i>Computer</i> , 2021, 54, 119-123.	1.2	62
63	Localization and Quantification of Callose in the Streptophyte Green Algae <i>Zygnema</i> and <i>Klebsormidium</i> : Correlation with Desiccation Tolerance. <i>Plant and Cell Physiology</i> , 2015, 56, pcv139.	1.5	61
64	Finger Instead of Mouse: Touch Screens as a Means of Enhancing Universal Access. <i>Lecture Notes in Computer Science</i> , 2003, , 387-397.	1.0	60
65	Changes in Phenolic Compounds and Cellular Ultrastructure of Arctic and Antarctic Strains of <i>Zygnema</i> (Zygnematophyceae, Streptophyta) after Exposure to Experimentally Enhanced UV to PAR Ratio. <i>Microbial Ecology</i> , 2013, 65, 68-83.	1.4	60
66	Towards interactive Machine Learning (iML): Applying Ant Colony Algorithms to Solve the Traveling Salesman Problem with the Human-in-the-Loop Approach. <i>Lecture Notes in Computer Science</i> , 2016, , 81-95.	1.0	60
67	Recommender Systems for Health Informatics: State-of-the-Art and Future Perspectives. <i>Lecture Notes in Computer Science</i> , 2016, , 391-414.	1.0	59
68	Molecular and Immunological Characterization of Ragweed (<i>Ambrosia artemisiifolia</i> L.) Pollen after Exposure of the Plants to Elevated Ozone over a Whole Growing Season. <i>PLoS ONE</i> , 2013, 8, e61518.	1.1	58
69	Unusual phenolic compounds contribute to ecophysiological performance in the purple-colored green alga <i>Zygonium ericetorum</i> (Zygnematophyceae, Streptophyta) from a high-alpine habitat. <i>Journal of Phycology</i> , 2013, 49, 648-660.	1.0	57
70	Formation of lipid bodies and changes in fatty acid composition upon pre-akinete formation in Arctic and Antarctic <i>Zygnema</i> (Zygnematophyceae, Streptophyta) strains. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw096.	1.3	57
71	The Effect of Ultraviolet Radiation on Ultrastructure and Photosynthesis in the Red Macroalgae <i>Palmaria palmata</i> and <i>Odonthalia dentata</i> from Arctic Waters. <i>Plant Biology</i> , 2004, 6, 568-577.	1.8	56
72	Lurking: an underestimated human-computer phenomenon. <i>IEEE MultiMedia</i> , 2005, 12, 70-75.	1.5	56

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73	Plasmolysis effects and osmotic potential of two phylogenetically distinct alpine strains of Klebsormidium (Streptophyta). <i>Protoplasma</i> , 2012, 249, 789-804.	1.0	56
74	Homogalacturonan Accumulation in Cell Walls of the Green Alga <i>Zygnema</i> sp. (Charophyta) Increases Desiccation Resistance. <i>Frontiers in Plant Science</i> , 2019, 10, 540.	1.7	56
75	Integrated web visualizations for protein-protein interaction databases. <i>BMC Bioinformatics</i> , 2015, 16, 195.	1.2	55
76	Biodiversity of <i>Klebsormidium</i> (Streptophyta) from alpine biological soil crusts (Alps, Tyrol,). <i>Trends in Microbiology</i> , 2010, 18, 540-544.	1.0	54
77	Rapid prototyping for a virtual medical campus interface. <i>IEEE Software</i> , 2004, 21, 92-99.	2.1	52
78	Toward Human-AI Interfaces to Support Explainability and Causability in Medical AI. <i>Computer</i> , 2021, 54, 78-86.	1.2	52
79	Current State of Agile User-Centered Design: A Survey. <i>Lecture Notes in Computer Science</i> , 2009, , 416-427.	1.0	52
80	The Next Frontier: AI We Can Really Trust. <i>Communications in Computer and Information Science</i> , 2021, , 427-440.	0.4	51
81	Structures of Chlorophyll Catabolites in Bananas (<i>Musa acuminata</i>) Reveal a Split Path of Chlorophyll Breakdown in a Ripening Fruit. <i>Chemistry - A European Journal</i> , 2012, 18, 10873-10885.	1.7	49
82	Ecophysiology, secondary pigments and ultrastructure of <i>Chlainomonas</i> sp. (Chlorophyta) from the European Alps compared with <i>Chlamydomonas nivalis</i> forming red snow. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw030.	1.3	49
83	Living in biological soil crust communities of African deserts: Physiological traits of green algal <i>Klebsormidium</i> species (Streptophyta) to cope with desiccation, light and temperature gradients. <i>Journal of Plant Physiology</i> , 2016, 194, 2-12.	1.6	49
84	Fairness and Explanation in AI-Informed Decision Making. <i>Machine Learning and Knowledge Extraction</i> , 2022, 4, 556-579.	3.2	49
85	From cloud computing to mobile Internet, from user focus to culture and hedonism: The crucible of mobile health care and Wellness applications. , 2010, , .		47
86	Investigating paper vs. screen in real-life hospital workflows: Performance contradicts perceived superiority of paper in the user experience. <i>International Journal of Human Computer Studies</i> , 2011, 69, 563-570.	3.7	47
87	Introduction to MACHine Learning & Knowledge Extraction (MAKE). <i>Machine Learning and Knowledge Extraction</i> , 2018, 1, 1-20.	3.2	47
88	Emotion Detection: Application of the Valence Arousal Space for Rapid Biological Usability Testing to Enhance Universal Access. <i>Lecture Notes in Computer Science</i> , 2009, , 615-624.	1.0	46
89	Hypermodified Fluorescent Chlorophyll Catabolites: Source of Blue Luminescence in Senescent Leaves. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5174-5177.	7.2	46
90	Desiccation tolerance in the chlorophyte green alga <i>Ulva compressa</i> : does cell wall architecture contribute to ecological success?. <i>Planta</i> , 2015, 242, 477-492.	1.6	45

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91	Convolutional and Recurrent Neural Networks for Activity Recognition in Smart Environment. Lecture Notes in Computer Science, 2017, , 194-205.	1.0	45
92	The European Legal Framework for Medical AI. Lecture Notes in Computer Science, 2020, , 209-226.	1.0	44
93	Improving multimodal web accessibility for deaf people: sign language interpreter module. Multimedia Tools and Applications, 2011, 54, 181-199.	2.6	43
94	The conjugating green alga <i>Zygnema</i> sp. (Zygnematophyceae) from the Arctic shows high frost tolerance in mature cells (pre-akinetes). Protoplasma, 2019, 256, 1681-1694.	1.0	43
95	Importance of medical data preprocessing in predictive modeling and risk factor discovery for the frailty syndrome. BMC Medical Informatics and Decision Making, 2019, 19, 33.	1.5	43
96	Interactive knowledge discovery with the doctor-in-the-loop: a practical example of cerebral aneurysms research. Brain Informatics, 2016, 3, 133-143.	1.8	42
97	Visual analytics for concept exploration in subspaces of patient groups. Brain Informatics, 2016, 3, 233-247.	1.8	42
98	Molecular and morphological diversity of <i>Zygnema</i> and <i>Zygnemopsis</i> (Zygnematophyceae.) Tj ETQq0.0.0 rgBT /Overlock 1	0.9	42
99	AI and Big Data in Healthcare: Towards a More Comprehensive Research Framework for Multimorbidity. Journal of Clinical Medicine, 2021, 10, 766.	1.0	42
100	Chances of Increasing Youth Health Awareness through Mobile Wellness Applications. Lecture Notes in Computer Science, 2010, , 71-81.	1.0	42
101	Explainable AI and Multi-Modal Causability in Medicine. I-com, 2021, 19, 171-179.	0.9	42
102	The explainability paradox: Challenges for xAI in digital pathology. Future Generation Computer Systems, 2022, 133, 281-296.	4.9	42
103	Biomedical Text Mining: State-of-the-Art, Open Problems and Future Challenges. Lecture Notes in Computer Science, 2014, , 271-300.	1.0	41
104	From Smart Health to Smart Hospitals. Lecture Notes in Computer Science, 2015, , 1-20.	1.0	40
105	Some Aspects of the Development of Low-Cost Augmented Reality Learning Environments as Examples for Future Interfaces in Technology Enhanced Learning. Lecture Notes in Computer Science, 2007, , 728-737.	1.0	39
106	Arabinogalactan Proteins and the Extracellular Matrix of Charophytes: A Sticky Business. Frontiers in Plant Science, 2019, 10, 447.	1.7	39
107	Web 2.0 Technology: Future Interfaces for Technology Enhanced Learning?. Lecture Notes in Computer Science, 2007, , 559-568.	1.0	39
108	Medical artificial intelligence. Communications of the ACM, 2021, 64, 34-36.	3.3	39

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109	A novel blue fluorescent chlorophyll catabolite accumulates in senescent leaves of the peace lily and indicates a split path of chlorophyll breakdown. <i>FEBS Letters</i> , 2010, 584, 4215-4221.	1.3	38
110	Desiccation tolerance in the streptophyte green alga <i>Klebsormidium</i> : The role of phytohormones. <i>Communicative and Integrative Biology</i> , 2015, 8, e1059978.	0.6	38
111	Effects of temperature and light on the formation of chloroplast protrusions in leaf mesophyll cells of high alpine plants. <i>Plant, Cell and Environment</i> , 2007, 30, 1347-1356.	2.8	37
112	Towards a Low-Cost Mobile Subcutaneous Vein Detection Solution Using Near-Infrared Spectroscopy. <i>Scientific World Journal</i> , The, 2014, 2014, 1-15.	0.8	37
113	Morphology and ultrastructure of <i>Interfilum</i> and <i>Klebsormidium</i> (Klebsormidiales.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i> <i>Phycology</i> , 2014, 49, 395-412.	0.9	37
114	Prasiolin, a new UV-sunscreen compound in the terrestrial green macroalga <i>Prasiola calophylla</i> (Carmichael ex Greville) KÄtzing (Trebouxiophyceae, Chlorophyta). <i>Planta</i> , 2016, 243, 161-169.	1.6	37
115	On Computationally-Enhanced Visual Analysis of Heterogeneous Data and Its Application in Biomedical Informatics. <i>Lecture Notes in Computer Science</i> , 2014, , 117-140.	1.0	37
116	Digital Transformation in Smart Farm and Forest Operations Needs Human-Centered AI: Challenges and Future Directions. <i>Sensors</i> , 2022, 22, 3043.	2.1	37
117	Computational approaches for mining user's opinions on the Web 2.0. <i>Information Processing and Management</i> , 2014, 50, 899-908.	5.4	36
118	An Investigation on Acceptance of Ubiquitous Devices for the Elderly in a Geriatric Hospital Environment: Using the Example of Person Tracking. <i>Lecture Notes in Computer Science</i> , 2008, , 22-29.	1.0	36
119	Opinion Mining on the Web 2.0 – Characteristics of User Generated Content and Their Impacts. <i>Lecture Notes in Computer Science</i> , 2013, , 35-46.	1.0	34
120	Reprint of: Computational approaches for mining user's opinions on the Web 2.0. <i>Information Processing and Management</i> , 2015, 51, 510-519.	5.4	34
121	Classification by ordinal sums of conjunctive and disjunctive functions for explainable AI and interpretable machine learning solutions. <i>Knowledge-Based Systems</i> , 2021, 220, 106916.	4.0	34
122	Making Apps Useable on Multiple Different Mobile Platforms: On Interoperability for Business Application Development on Smartphones. <i>Lecture Notes in Computer Science</i> , 2012, , 176-189.	1.0	33
123	Functional and genetic analysis of the colon cancer network. <i>BMC Bioinformatics</i> , 2014, 15, S6.	1.2	33
124	Machine Learning for Health Informatics. <i>Lecture Notes in Computer Science</i> , 2016, , 1-24.	1.0	33
125	A Deep Learning Approach for Privacy Preservation in Assisted Living. , 2018, ,		33
126	From Computer Innovation to Human Integration: Current Trends and Challenges for Pervasive HealthTechnologies. <i>Human-computer Interaction Series</i> , 2014, , 1-17.	0.4	33

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127	Aniline Blue and Calcofluor White Staining of Callose and Cellulose in the Streptophyte Green Algae <i>Zygnema</i> and <i>Klebsormidium</i> . <i>Bio-protocol</i> , 2016, 6, .	0.2	32
128	Users' Privacy Concerns in IoT Based Applications. , 2018, , .		32
129	Users'™ Perceptions and Attitudes Towards Smart Home Technologies. <i>Lecture Notes in Computer Science</i> , 2018, , 203-214.	1.0	32
130	Ecophysiological and morphological comparison of two populations of <i>Chlainomonas</i> sp. (Chlorophyta) causing red snow on ice-covered lakes in the High Tatra and Austrian Alps. <i>European Journal of Phycology</i> , 2018, 53, 230-243.	0.9	32
131	Sporogenic and vegetative tissues of <i>Saccharina latissima</i> (Laminariales, Phaeophyceae) exhibit distinctive sensitivity to experimentally enhanced ultraviolet radiation's photosynthetically active radiation ratio. <i>Phycological Research</i> , 2011, 59, 221-235.	0.8	31
132	Arctic, Antarctic, and temperate green algae <i>Zygnema</i> spp. under UV-B stress: vegetative cells perform better than pre-akinetes. <i>Protoplasma</i> , 2018, 255, 1239-1252.	1.0	31
133	Metatranscriptomic and metabolite profiling reveals vertical heterogeneity within a <i>Zygnema</i> green algal mat from Svalbard (High Arctic). <i>Environmental Microbiology</i> , 2019, 21, 4283-4299.	1.8	31
134	Dialogue Systems for Intelligent Human Computer Interactions. <i>Electronic Notes in Theoretical Computer Science</i> , 2019, 343, 57-71.	0.9	31
135	Localisation and substrate specificities of transglycanases in charophyte algae relate to development and morphology. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	30
136	New Taxa of Streptophyte Algae (Streptophyta) from Terrestrial Habitats Revealed Using an Integrative Approach. <i>Protist</i> , 2018, 169, 406-431.	0.6	30
137	Digital Transformation for Sustainable Development Goals (SDGs) - A Security, Safety and Privacy Perspective on AI. <i>Lecture Notes in Computer Science</i> , 2021, , 1-20.	1.0	30
138	SPECTRIN-LIKE PROTEINS IN GREEN ALGAE (DESMIDIACEAE). <i>Cell Biology International</i> , 1999, 23, 335-344.	1.4	29
139	Biomedical Informatics. , 2014, , .		29
140	Towards Personalization of Diabetes Therapy Using Computerized Decision Support and Machine Learning: Some Open Problems and Challenges. <i>Lecture Notes in Computer Science</i> , 2015, , 237-260.	1.0	29
141	Chondramides, novel cyclodepsipeptides from myxobacteria, influence cell development and induce actin filament polymerization in the green alga <i>Micrasterias</i> . <i>Cytoskeleton</i> , 2001, 48, 87-95.	4.4	28
142	Analysis of biomedical data with multilevel glyphs. <i>BMC Bioinformatics</i> , 2014, 15, S5.	1.2	28
143	User-Centered Interface Design for Disabled and Elderly People: First Experiences with Designing a Patient Communication System (PACOSY). <i>Lecture Notes in Computer Science</i> , 2002, , 33-40.	1.0	28
144	On Entropy-Based Data Mining. <i>Lecture Notes in Computer Science</i> , 2014, , 209-226.	1.0	28

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145	The augmented radiologist: artificial intelligence in the practice of radiology. <i>Pediatric Radiology</i> , 2022, 52, 2074-2086.	1.1	28
146	KINESIN-LIKE PROTEINS ARE INVOLVED IN POSTMITOTIC NUCLEAR MIGRATION OF THE UNICELLULAR GREEN ALGA MICRASTERIAS DENTICULATA. <i>Cell Biology International</i> , 2002, 26, 689-697.	1.4	27
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