

# Ralf Mikut

## List of Publications by Year in descending order

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Version: 2024-02-01

191  
papers

4,181  
citations

136740

32  
h-index

155451

55  
g-index

210  
all docs

210  
docs citations

210  
times ranked

5425  
citing authors

#	ARTICLE	IF	CITATIONS
1	An objective comparison of cell-tracking algorithms. <i>Nature Methods</i> , 2017, 14, 1141-1152.	9.0	399
2	Zebrafish embryos as models for embryotoxic and teratological effects of chemicals. <i>Reproductive Toxicology</i> , 2009, 28, 245-253.	1.3	240
3	SOX2 gene amplification and protein overexpression are associated with better outcome in squamous cell lung cancer. <i>Modern Pathology</i> , 2011, 24, 944-953.	2.9	177
4	Real-Time Three-Dimensional Cell Segmentation in Large-Scale Microscopy Data of Developing Embryos. <i>Developmental Cell</i> , 2016, 36, 225-240.	3.1	156
5	Interpretability issues in data-based learning of fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2005, 150, 179-197.	1.6	130
6	Wnt/PCP controls spreading of Wnt/ $\beta$ -catenin signals by cytonemes in vertebrates. <i>ELife</i> , 2018, 7, .	2.8	106
7	Data mining tools. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2011, 1, 431-443.	4.6	100
8	SOX2 amplification is a common event in squamous cell carcinomas of different organ sites. <i>Human Pathology</i> , 2011, 42, 1078-1088.	1.1	99
9	Identification of Nonvisual Photomotor Response Cells in the Vertebrate Hindbrain. <i>Journal of Neuroscience</i> , 2013, 33, 3834-3843.	1.7	98
10	Fast Segmentation of Stained Nuclei in Terabyte-Scale, Time Resolved 3D Microscopy Image Stacks. <i>PLoS ONE</i> , 2014, 9, e90036.	1.1	75
11	Automated Processing of Zebrafish Imaging Data: A Survey. <i>Zebrafish</i> , 2013, 10, 401-421.	0.5	73
12	Targeting Mycobacterium tuberculosis and Other Microbial Pathogens Using Improved Synthetic Antibacterial Peptides. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2295-2303.	1.4	72
13	On the use of probabilistic forecasts in scheduling of renewable energy sources coupled to storages. <i>Applied Energy</i> , 2018, 210, 1207-1218.	5.1	72
14	Automated feature assessment in instrumented gait analysis. <i>Gait and Posture</i> , 2006, 23, 331-338.	0.6	61
15	A hydraulically driven multifunctional prosthetic hand. <i>Robotica</i> , 2005, 23, 293-299.	1.3	59
16	Improving short antimicrobial peptides despite elusive rules for activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 1024-1033.	1.4	57
17	Information and Communication Technology in Energy Lab 2.0: Smart Energies System Simulation and Control Center with an Open-Street-Map-Based Power Flow Simulation Example. <i>Energy Technology</i> , 2016, 4, 145-162.	1.8	56
18	The effect of lipidation and glycosylation on short cationic antimicrobial peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183195.	1.4	56

#	ARTICLE	IF	CITATIONS
19	Cell segmentation and tracking using CNN-based distance predictions and a graph-based matching strategy. PLoS ONE, 2020, 15, e0243219.	1.1	56
20	Genome-wide, whole mount in situ analysis of transcriptional regulators in zebrafish embryos. Developmental Biology, 2013, 380, 351-362.	0.9	54
21	Frequency and clinicopathologic correlates of KRAS amplification in non-small cell lung carcinoma. Lung Cancer, 2011, 74, 118-123.	0.9	53
22	The rumen microbiome: an underexplored resource for novel antimicrobial discovery. Npj Biofilms and Microbiomes, 2017, 3, 33.	2.9	51
23	Automatic Zebrafish Heartbeat Detection and Analysis for Zebrafish Embryos. Zebrafish, 2014, 11, 379-383.	0.5	49
24	Synergy Pattern of Short Cationic Antimicrobial Peptides Against Multidrug-Resistant Pseudomonas aeruginosa. Frontiers in Microbiology, 2019, 10, 2740.	1.5	48
25	Postacute management of patients with spinal cord injury due to metastatic tumour disease: survival and efficacy of rehabilitation. Spinal Cord, 2003, 41, 205-210.	0.9	47
26	Machine learning with domain knowledge for predictive quality monitoring in resistance spot welding. Journal of Intelligent Manufacturing, 2022, 33, 1139-1163.	4.4	46
27	Mosaicking the Subbasal Nerve Plexus by Guided Eye Movements. , 2014, 55, 6082.		45
28	An ensemble-averaged, cell density-based digital model of zebrafish embryo development derived from light-sheet microscopy data with single-cell resolution. Scientific Reports, 2015, 5, 8601.	1.6	44
29	Cellular in vivo 3D imaging of the cornea by confocal laser scanning microscopy. Biomedical Optics Express, 2018, 9, 2511.	1.5	42
30	Gait analysis may help to distinguish hereditary spastic paraplegia from cerebral palsy. Gait and Posture, 2011, 33, 556-561.	0.6	39
31	Use of Peptide Libraries for Identification and Optimization of Novel Antimicrobial Peptides. Current Topics in Medicinal Chemistry, 2016, 17, 537-553.	1.0	38
32	Integrating Battery Aging in the Optimization for Bidirectional Charging of Electric Vehicles. IEEE Transactions on Smart Grid, 2021, 12, 5135-5145.	6.2	37
33	A cognitive architecture for a humanoid robot: a first approach. , 0, , .		36
34	Screening and Optimizing Antimicrobial Peptides by Using SPOT-Synthesis. Frontiers in Chemistry, 2017, 5, 25.	1.8	36
35	Night-to-Day: Online Image-to-Image Translation for Object Detection Within Autonomous Driving by Night. IEEE Transactions on Intelligent Vehicles, 2021, 6, 480-489.	9.4	36
36	Optimization of oncocin for antibacterial activity using a SPOT synthesis approach: extending the pathogen spectrum to Staphylococcus aureus. Amino Acids, 2016, 48, 269-280.	1.2	34

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37	Small angle X-ray scattering as a high-throughput method to classify antimicrobial modes of action. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 918-925.	1.4	33
38	EmbryoMiner: A new framework for interactive knowledge discovery in large-scale cell tracking data of developing embryos. <i>PLoS Computational Biology</i> , 2018, 14, e1006128.	1.5	33
39	3D confocal laser-scanning microscopy for large-area imaging of the corneal subbasal nerve plexus. <i>Scientific Reports</i> , 2018, 8, 7468.	1.6	33
40	Which functional impairments are the main contributors to pelvic anterior tilt during gait in individuals with cerebral palsy?. <i>Gait and Posture</i> , 2014, 39, 359-364.	0.6	30
41	Data processing of high-rate low-voltage distribution grid recordings for smart grid monitoring and analysis. <i>Eurasip Journal on Advances in Signal Processing</i> , 2015, 2015, .	1.0	29
42	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. <i>PLoS Genetics</i> , 2020, 16, e1008774.	1.5	29
43	XPIWITâ€”an XML pipeline wrapper for the Insight Toolkit. <i>Bioinformatics</i> , 2016, 32, 315-317.	1.8	28
44	Ontology-Enhanced Machine Learning: A Bosch Use Case of Welding Quality Monitoring. <i>Lecture Notes in Computer Science</i> , 2020, , 531-550.	1.0	28
45	Energy forecasting tools and services. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1235.	4.6	26
46	Computer-Based Analysis, Visualization, and Interpretation of Antimicrobial Peptide Activities. <i>Methods in Molecular Biology</i> , 2010, 618, 287-299.	0.4	24
47	Facilitating Drug Discovery: An Automated High-content Inflammation Assay in Zebrafish. <i>Journal of Visualized Experiments</i> , 2012, , e4203.	0.2	23
48	Benchmarking in classification and regression. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1318.	4.6	23
49	Digital technologies in airport ground operations. <i>NETNOMICS: Economic Research and Electronic Networking</i> , 2019, 20, 1-30.	0.9	23
50	Photovoltaic power forecasting using simple data-driven models without weather data. <i>Computer Science - Research and Development</i> , 2017, 32, 237-246.	2.7	22
51	Steer by ear: Myoelectric auricular control of powered wheelchairs for individuals withÂspinalÂcordÂinjury. <i>Restorative Neurology and Neuroscience</i> , 2015, 34, 79-95.	0.4	21
52	Clinical and Molecular Implications of MED15 in Head and Neck Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2015, 185, 1114-1122.	1.9	21
53	Tracking of Indels by DEcomposition is a Simple and Effective Method to Assess Efficiency of Guide RNAs in Zebrafish. <i>Zebrafish</i> , 2017, 14, 586-588.	0.5	21
54	High accuracy beam splitting using spatial light modulator combined with machine learning algorithms. <i>Optics and Lasers in Engineering</i> , 2019, 121, 227-235.	2.0	21

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55	SemML: Facilitating development of ML models for condition monitoring with semantics. <i>Web Semantics</i> , 2021, 71, 100664.	2.2	21
56	Predicting Quality of Automated Welding with Machine Learning and Semantics. , 2020, , .		21
57	A Zebrafish Drug-Repurposing Screen Reveals sGC-Dependent and sGC-Independent Pro-Inflammatory Activities of Nitric Oxide. <i>PLoS ONE</i> , 2015, 10, e0137286.	1.1	20
58	Interaction of blood components with cathelicidins and their modified versions. <i>Biomaterials</i> , 2015, 69, 201-211.	5.7	20
59	Zebrafish biosensor for toxicant induced muscle hyperactivity. <i>Scientific Reports</i> , 2016, 6, 23768.	1.6	20
60	Microfluidic Chips for Life Sciences—A Comparison of Low Entry Manufacturing Technologies. <i>Small</i> , 2019, 15, e1901956.	5.2	20
61	The HMG box transcription factors Sox1a and b specify a new class of glycinergic interneurons in the spinal cord of zebrafish embryos. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	20
62	Cell segmentation in 3D confocal images using supervoxel merge-forests with CNN-based hypothesis selection. , 2018, , .		18
63	Data-Driven Copy-Paste Imputation for Energy Time Series. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 5409-5419.	6.2	18
64	Machine learning methods for automated classification of tumors with papillary thyroid carcinoma-like nuclei: A quantitative analysis. <i>PLoS ONE</i> , 2021, 16, e0257635.	1.1	18
65	Interpretable Features for the Activity Prediction of Short Antimicrobial Peptides Using Fuzzy Logic. <i>International Journal of Peptide Research and Therapeutics</i> , 2009, 15, 129-137.	0.9	17
66	Integrating a flexible anthropomorphic, robot hand into the control, system of a humanoid robot. <i>Robotics and Autonomous Systems</i> , 2004, 48, 213-221.	3.0	16
67	Automated phenotype pattern recognition of zebrafish for high-throughput screening. <i>Bioengineered</i> , 2016, 7, 261-265.	1.4	16
68	Data mining tools. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1309.	4.6	16
69	Probabilistic energy forecasting using the nearest neighbors quantile filter and quantile regression. <i>International Journal of Forecasting</i> , 2020, 36, 310-323.	3.9	16
70	Reliable Dispatch of Renewable Generation via Charging of Time-Varying PEV Populations. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 1558-1568.	4.6	15
71	Is There a Connection Between Gut Microbiome Dysbiosis Occurring in COVID-19 Patients and Post-COVID-19 Symptoms?. <i>Frontiers in Microbiology</i> , 2021, 12, 732838.	1.5	15
72	A graph-based cell tracking algorithm with few manually tunable parameters and automated segmentation error correction. <i>PLoS ONE</i> , 2021, 16, e0249257.	1.1	15

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73	BioSAXS Measurements Reveal That Two Antimicrobial Peptides Induce Similar Molecular Changes in Gram-Negative and Gram-Positive Bacteria. <i>Frontiers in Pharmacology</i> , 2019, 10, 1127.	1.6	14
74	Quanfima: An open source Python package for automated fiber analysis of biomaterials. <i>PLoS ONE</i> , 2019, 14, e0215137.	1.1	14
75	Enhancing deep-learning training for phase identification in powder X-ray diffractograms. <i>IUCr</i> , 2021, 8, 408-420.	1.0	13
76	Unveiling local atomic bonding and packing of amorphous nanophases via independent component analysis facilitated pair distribution function. <i>Acta Materialia</i> , 2021, 212, 116932.	3.8	13
77	Generating semi-synthetic validation benchmarks for embryomics. , 2016, , .		12
78	Variability of running coordination in experts and novices: A 3D uncontrolled manifold analysis. <i>European Journal of Sport Science</i> , 2020, 20, 1187-1196.	1.4	12
79	I-CARE-An Interaction System for the Individual Activation of People with Dementia. <i>Geriatrics (Switzerland)</i> , 2021, 6, 51.	0.6	12
80	Data mining in medical time series. <i>Biomedizinische Technik</i> , 2006, 51, 288-293.	0.9	11
81	Energy-based stochastic MPC for integrated electricity-hydrogen VPP in real-time markets. <i>Electric Power Systems Research</i> , 2021, 195, 106738.	2.1	11
82	In silico identification of two peptides with antibacterial activity against multidrug-resistant <i>Staphylococcus aureus</i> . <i>Npj Biofilms and Microbiomes</i> , 2022, 8, .	2.9	11
83	Model-based control and object contact defection for a fluidic actuated robotic hand. , 0, , .		10
84	Data Mining zur Analyse der Auswirkungen von Preissignalen auf Haushaltsstromkunden. <i>Automatisierungstechnik</i> , 2014, 62, 740-752.	0.4	10
85	Machine Learning Methods for Automated Quantification of Ventricular Dimensions. <i>Zebrafish</i> , 2019, 16, 542-545.	0.5	10
86	Parkinsonâ€™s disease with restless legs syndromeâ€™an in vivo corneal confocal microscopy study. <i>Npj Parkinson's Disease</i> , 2021, 7, 4.	2.5	10
87	A Concept for the Control, Monitoring and Visualization Center in Energy Lab 2.0. <i>Lecture Notes in Computer Science</i> , 2015, , 83-94.	1.0	10
88	Forecasting energy time series with profile neural networks. , 2020, , .		9
89	Automated Annotator Variability Inspection for Biomedical Image Segmentation. <i>IEEE Access</i> , 2022, 10, 2753-2765.	2.6	9
90	Takagi-Sugeno-Kang Fuzzy Classifiers for a Special Class of Time-Varying Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2008, 16, 1038-1049.	6.5	8

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91	Human-like reflexes for robotic manipulation using leaky integrate-and-fire neurons. , 2010, , .		8
92	Zebrafish: A Pharmacogenetic Model for Anesthesia. <i>Methods in Enzymology</i> , 2018, 602, 189-209.	0.4	8
93	Numerical Weather Prediction Data Free Solar Power Forecasting with Neural Networks. , 2018, , .		8
94	Probabilistic forecasts of the distribution grid state using data-driven forecasts and probabilistic power flow. <i>Applied Energy</i> , 2021, 302, 117498.	5.1	8
95	Wide-field mosaics of the corneal subbasal nerve plexus in Parkinsonâ€™s disease using in vivo confocal microscopy. <i>Scientific Data</i> , 2021, 8, 306.	2.4	8
96	Automated prior knowledge-based quantification of neuronal patterns in the spinal cord of zebrafish. <i>Bioinformatics</i> , 2014, 30, 726-733.	1.8	7
97	MondoA regulates gene expression in cholesterol biosynthesis-associated pathways required for zebrafish epiboly. <i>ELife</i> , 2020, 9, .	2.8	7
98	Evaluation of data mining approaches for the control of multifunctional arm prostheses. <i>Integrated Computer-Aided Engineering</i> , 2011, 18, 235-249.	2.5	6
99	An automated and high-throughput Photomotor Response platform for chemical screens. , 2015, 2015, 7728-31.		6
100	Demand response clustering - How do dynamic prices affect household electricity consumption?. , 2015, , .		6
101	Virtual Storages as Theoretically Motivated Demand Response Models for Enhanced Smart Grid Operations. <i>Energy Technology</i> , 2016, 4, 163-176.	1.8	6
102	Concept and benchmark results for Big Data energy forecasting based on Apache Spark. <i>Journal of Big Data</i> , 2018, 5, .	6.9	6
103	Strategies for supplementing recurrent neural network training for spatio-temporal prediction. <i>Automatisierungstechnik</i> , 2019, 67, 545-556.	0.4	6
104	Cuepervision: self-supervised learning for continuous domain adaptation without catastrophic forgetting. <i>Image and Vision Computing</i> , 2021, 106, 104079.	2.7	6
105	Methods for Automated High-Throughput Toxicity Testing Using Zebrafish Embryos. <i>Lecture Notes in Computer Science</i> , 2010, , 219-226.	1.0	6
106	Fuzzy-based propagation of prior knowledge to improve large-scale image analysis pipelines. <i>PLoS ONE</i> , 2017, 12, e0187535.	1.1	6
107	Rational Designed Hybrid Peptides Show up to a 6-Fold Increase in Antimicrobial Activity and Demonstrate Different Ultrastructural Changes as the Parental Peptides Measured by BioSAXS. <i>Frontiers in Pharmacology</i> , 2021, 12, 769739.	1.6	6
108	Point and contextual anomaly detection in building load profiles of a university campus. , 2020, , .		6

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109	Steuerungs- und Signalverarbeitungskonzepte für eine multifunktionale Handprothese (Control and) Tj ETQq1 1 0.784314 rgBT /Over 50, 279.	0.4	5
110	Optimized classification of multiclass problems applied to EMG-control of hand prostheses. , 2004, , .		5
111	Automatic Tuning of Image Segmentation Parameters by Means of Fuzzy Feature Evaluation. Advances in Intelligent Systems and Computing, 2013, , 459-467.	0.5	5
112	A contribution to the load forecast of price elastic consumption behaviour. , 2015, , .		5
113	Characterization of Road Condition with Data Mining Based on Measured Kinematic Vehicle Parameters. Journal of Advanced Transportation, 2018, 2018, 1-10.	0.9	5
114	Automated design process for hybrid regression modeling with a one-class SVM. Automatisierungstechnik, 2019, 67, 843-852.	0.4	5
115	Segregation of Dispersed Silica Nanoparticles in Microfluidic Water-in-Oil Droplets: A Kinetic Study. ChemPhysChem, 2020, 21, 1070-1078.	1.0	5
116	A Benchmark Data Set to Evaluate the Illumination Robustness of Image Processing Algorithms for Object Segmentation and Classification. PLoS ONE, 2015, 10, e0131098.	1.1	5
117	Machine learning aided phase retrieval algorithm for beam splitting with an LCoS-SLM. , 2019, , .		5
118	A Lightweight User Interface for Smart Charging of Electric Vehicles: A Real-World Application. , 2021, , .		5
119	Real-time large-area imaging of the corneal subbasal nerve plexus. Scientific Reports, 2022, 12, 2481.	1.6	5
120	Modeling and generating synthetic anomalies for energy and power time series. , 2022, , .		5
121	From diagnostics to therapy – conceptual basis for real-time movement feedback in rehabilitation medicine. Biomedizinische Technik, 2006, 51, 299-304.	0.9	4
122	Modelling the Labyrinth Seal Discharge Coefficient Using Data Mining Methods. , 2010, , .		4
123	Concept of a Co-Adaptive Training Environment for Human-Machine Interfaces Based on EMG-Control. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	4
124	On Calendar-Based Scheduling for User-Friendly Charging of Plug-In Electric Vehicles. , 2019, , .		4
125	Semi-Automatic Generation Of Tight Binary Masks And Non-Convex Isosurfaces For Quantitative Analysis Of 3d Biological Samples. , 2020, , .		4
126	BeadNet: deep learning-based bead detection and counting in low-resolution microscopy images. Bioinformatics, 2020, 36, 4668-4670.	1.8	4



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127	Smart Charging of Electric Vehicles with Cloud-based Optimization and a Lightweight User Interface. , 2021, , .		4
128	A Benchmark for Parking Duration Prediction of Electric Vehicles for Smart Charging Applications. , 2021, , .		4
129	Evaluating ensemble post-processing for wind power forecasts. Wind Energy, 2022, 25, 1379-1405.	1.9	4
130	Datenbasierter Entwurf von Fuzzy-Systemen für medizinische Diagnoseaufgaben (Data-based Design of Tj ETQq0 0 0 rgBT <sub>3</sub> /Overlock	0.4	3
131	Fuzzy stability supervision of robot grippers. , 0, , .		3
132	Computational Intelligence (Computational Intelligence). Automatisierungstechnik, 2008, 56, 335-338.	0.4	3
133	Fuzzy Control. , 2015, , 269-283.		3
134	Investigation and mathematical modelling of the impact of incentive signals to consumers on their consumption, load forecast and network operation. IET Generation, Transmission and Distribution, 2016, 10, 2138-2146.	1.4	3
135	Prognose für preisbeeinflusstes Verbrauchsverhalten. Automatisierungstechnik, 2017, 65, 179-188.	0.4	3
136	Assessment of Unsupervised Standard Pattern Recognition Methods for Industrial Energy Time Series. , 2018, , .		3
137	GPU-accelerated ray-casting for 3D fiber orientation analysis. PLoS ONE, 2020, 15, e0236420.	1.1	3
138	Design of transformation initiatives implementing organisational agility: an empirical study. SN Business & Economics, 2021, 1, 79.	0.6	3
139	A stochastic oscillator model simulates the entrainment of vertebrate cellular clocks by light. Scientific Reports, 2021, 11, 14497.	1.6	3
140	An Automated Experimentation System for the Touch-Response Quantification of Zebrafish Larvae. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3007-3019.	3.4	3
141	Evaluation of semi-supervised learning using sparse labeling to segment cell nuclei. Current Directions in Biomedical Engineering, 2020, 6, 398-401.	0.2	3
142	How to Derive and Implement a Minimalistic RC Model from Thermodynamics for the Control of Thermal Parameters for Assuring Thermal Comfort in Buildings. , 2022, , .		3
143	Data-Mining-Analysen mit der Matlab-Toolbox Gait-CAD (Data Mining Analyses with the Matlab Toolbox) Tj ETQq1 1 0,784314 rgBT <sub>2</sub> /Ove	0.4	2
144	DaMoQ: Eine Open-Source-MATLAB-Toolbox zur Bewertung von Daten- und Modellqualität in Regressionen. Automatisierungstechnik, 2017, 65, 207-218.	0.4	2

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145	ZebrafishMiner: an open source software for interactive evaluation of domain-specific fluorescence in zebrafish. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 199-202.	0.2	2
146	Feature Space Exploration for Motion Classification Based on Multi-Modal Sensor Data for Lower Limb Exoskeletons. , 2019, , .		2
147	A New Feedback-Based Method for Parameter Adaptation in Image Processing Routines. <i>PLoS ONE</i> , 2016, 11, e0165180.	1.1	2
148	High-Throughput Data Acquisition Platform for Multi-Larvae Touch-Response Behavior Screening of Zebrafish. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 858-865.	3.3	2
149	Optimale Fuhrung von Endoskopen mit redundanter Kinematik (Optimal Endoscopic Guidance for) Tj ETQq1 1 0.784314 rgBT /Overlo	0.4	1
150	Low-Level Finger Coordination for Compliant Anthropomorphic Robot Grippers. , 0, , .		1
151	Regelungs- und Steuerungskonzepte fur Neuroprothesen am Beispiel der oberen Extremitaten (Closed-) Tj ETQq1 1 0.784314 rgBT /C	0.4	1
152	Automatische Klassifikation von Bildzeitreihen fur toxikologische Hochdurchsatz-Untersuchungen. <i>Automatisierungstechnik</i> , 2011, 59, 259-268.	0.4	1
153	Methoden zur datengetriebenen Formulierung und Visualisierung von Kausalitatshypothesen. <i>Automatisierungstechnik</i> , 2012, 60, 630-640.	0.4	1
154	Prof. Dr.-Ing. habil. Georg Bretthauer zum 70. Geburtstag. <i>Automatisierungstechnik</i> , 2016, 64, 852-854.	0.4	1
155	Automation strategies for large-scale 3D image analysis. <i>Automatisierungstechnik</i> , 2016, 64, 555-566.	0.4	1
156	Charakterisierung der Fahrbahnbeschaffenheit durch Data Mining von gemessenen kinematischen Fahrzeuggraen. <i>Automatisierungstechnik</i> , 2017, 65, 867-877.	0.4	1
157	Data-driven analysis of interactions between people with dementia and a tablet device. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 735-738.	0.2	1
158	Storage Scheduling with Stochastic Uncertainties: Feasibility and Cost of Imbalances. , 2018, , .		1
159	Ausgewahlte Beitrage aus dem GMA-Fachausschuss 5.14 "Computational Intelligence"€. <i>Automatisierungstechnik</i> , 2019, 67, 817-819.	0.4	1
160	Modeling and Force Control of a Terramechanical Wheel-Soil Contact for a Robotic Manipulator Used in the Planetary Rover Design Process. , 2019, , .		1
161	Fuzzy tissue detection for real-time focal control in corneal confocal microscopy. <i>Automatisierungstechnik</i> , 2019, 67, 879-888.	0.4	1
162	CAD-to-real: enabling deep neural networks for 3D pose estimation of electronic control units. <i>Automatisierungstechnik</i> , 2021, 69, 880-891.	0.4	1

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163	Maschinelles Lernen und Künstliche Intelligenz – Eine Revolution in der Automatisierungstechnik oder nur ein Hype?. Automatisierungstechnik, 2020, 68, 295-300.	0.4	1
164	Kalibrierungs- und Trainingsstrategien zur individuellen Signalgenerierung für die myoelektrische Steuerung technischer Hilfsmittel. TM Technisches Messen, 2015, 82, 411-421.	0.3	1
165	Produktionsreihenfolgeplanung in Ringwalzwerken mit wissensbasierten und evolutionären Methoden. Automatisierungstechnik, 1998, 46, 15-21.	0.4	0
166	ROBUST TRAINING AND CONTROL STRATEGIES FOR THE GRASP TYPE SELECTION OF HAND PROSTHESES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 478-483.	0.4	0
167	Zeitvariante Klassifikatoren zur Steuerung von Brain Machine Interfaces und Neuroprothesen (Time-variant Classifiers to Control Brain Machine Interfaces and Neuroprotheses). Automatisierungstechnik, 2006, 54, 537-545.	0.4	0
168	Aus der Arbeit des GMA-FA 5.14 "Computational Intelligence". Automatisierungstechnik, 2009, 57, 167-167.	0.4	0
169	Computational Intelligence (Fortsetzung). Automatisierungstechnik, 2009, 57, 105-105.	0.4	0
170	Data Mining für hochdimensionale Messsysteme. TM Technisches Messen, 2010, 77, 524-529.	0.3	0
171	Konzept für einen biologisch inspirierten, semi-passiven pneumatisch angetriebenen zweibeinigen Prothesen-Roboter-Hybrid. Automatisierungstechnik, 2012, 60, 662-672.	0.4	0
172	Flexible diskret-kontinuierliche Überwachung und Regelung humanoider Roboter. Automatisierungstechnik, 2013, 61, 16-26.	0.4	0
173	Asphalt Image Miner: Ein Werkzeug zur automatischen Quantifizierung der Gesteinskörnungen in Asphaltproben. Automatisierungstechnik, 2014, 62, 676-683.	0.4	0
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