

Ralf Mikut

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

4,181
citations

136885

32
h-index

155592

55
g-index

210
all docs

210
docs citations

210
times ranked

5425
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	High-Throughput Data Acquisition Platform for Multi-Larvae Touch-Response Behavior Screening of Zebrafish. IEEE Robotics and Automation Letters, 2022, 7, 858-865.	3.3	2
3	Automated Annotator Variability Inspection for Biomedical Image Segmentation. IEEE Access, 2022, 10, 2753-2765.	2.6	9
4	Real-time large-area imaging of the corneal subbasal nerve plexus. Scientific Reports, 2022, 12, 2481.	1.6	5
5	Machine learning with domain knowledge for predictive quality monitoring in resistance spot welding. Journal of Intelligent Manufacturing, 2022, 33, 1139-1163.	4.4	46
6	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
7	Evaluating ensemble post-processing for wind power forecasts. Wind Energy, 2022, 25, 1379-1405.	1.9	4
8	Modeling and generating synthetic anomalies for energy and power time series. , 2022, , .		5
9	In silico identification of two peptides with antibacterial activity against multidrug-resistant Staphylococcus aureus. Npj Biofilms and Microbiomes, 2022, 8, .	2.9	11
10	Cuepervision: self-supervised learning for continuous domain adaptation without catastrophic forgetting. Image and Vision Computing, 2021, 106, 104079.	2.7	6
11	Data-Driven Copy-Paste Imputation for Energy Time Series. IEEE Transactions on Smart Grid, 2021, 12, 5409-5419.	6.2	18
12	Parkinson's disease with restless legs syndrome—an in vivo corneal confocal microscopy study. Npj Parkinson's Disease, 2021, 7, 4.	2.5	10
13	Integrating Battery Aging in the Optimization for Bidirectional Charging of Electric Vehicles. IEEE Transactions on Smart Grid, 2021, 12, 5135-5145.	6.2	37
14	Enhancing deep-learning training for phase identification in powder X-ray diffractograms. IUCr, 2021, 8, 408-420.	1.0	13
15	Design of transformation initiatives implementing organisational agility: an empirical study. SN Business & Economics, 2021, 1, 79.	0.6	3
16	I-CARE-An Interaction System for the Individual Activation of People with Dementia. Geriatrics (Switzerland), 2021, 6, 51.	0.6	12
17	Smart Charging of Electric Vehicles with Cloud-based Optimization and a Lightweight User Interface. , 2021, , .		4
18	Energy-based stochastic MPC for integrated electricity-hydrogen VPP in real-time markets. Electric Power Systems Research, 2021, 195, 106738.	2.1	11

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19	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
20	A stochastic oscillator model simulates the entrainment of vertebrate cellular clocks by light. <i>Scientific Reports</i> , 2021, 11, 14497.	1.6	3
21	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
22	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
23	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
24	Night-to-Day: Online Image-to-Image Translation for Object Detection Within Autonomous Driving by Night. <i>IEEE Transactions on Intelligent Vehicles</i> , 2021, 6, 480-489.	9.4	36
25	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
26	SemML: Facilitating development of ML models for condition monitoring with semantics. <i>Web Semantics</i> , 2021, 71, 100664.	2.2	21
27	Ausgewählte Beiträge aus dem GMA-Fachausschuss 5.14 – Computational Intelligence. <i>Automatisierungstechnik</i> , 2021, 69, 817-819.	0.4	0
28	Evaluierung von Merkmalen zur Abbildung von Veränderungen in ungeordneten Bilddaten. <i>Automatisierungstechnik</i> , 2021, 69, 892-902.	0.4	0
29	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
30	epiTracker: A Framework for Highly Reliable Particle Tracking for the Quantitative Analysis of Fish Movements in Tanks. <i>SLAS Technology</i> , 2021, 26, 367-376.	1.0	0
31	Wide-field mosaics of the corneal subbasal nerve plexus in Parkinson's disease using in vivo confocal microscopy. <i>Scientific Data</i> , 2021, 8, 306.	2.4	8
32	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
33	A Lightweight User Interface for Smart Charging of Electric Vehicles: A Real-World Application. , 2021, , .		5
34	Classification of Bundle Branch Blocks with QRS Templates Extracted from 12-lead ECGs. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 582-585.	0.2	0
35	A Benchmark for Parking Duration Prediction of Electric Vehicles for Smart Charging Applications. , 2021, , .		4
36	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

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37	Semi-Automatic Generation Of Tight Binary Masks And Non-Convex Isosurfaces For Quantitative Analysis Of 3d Biological Samples. , 2020, , .		4
38	GPU-accelerated ray-casting for 3D fiber orientation analysis. PLoS ONE, 2020, 15, e0236420.	1.1	3
39	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. PLoS Genetics, 2020, 16, e1008774.	1.5	29
40	Segregation of Dispersed Silica Nanoparticles in Microfluidic Water-in-Oil Droplets: A Kinetic Study. ChemPhysChem, 2020, 21, 1070-1078.	1.0	5
41	The effect of lipidation and glycosylation on short cationic antimicrobial peptides. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183195.	1.4	56
42	BeadNet: deep learning-based bead detection and counting in low-resolution microscopy images. Bioinformatics, 2020, 36, 4668-4670.	1.8	4
43	Variability of running coordination in experts and novices: A 3D uncontrolled manifold analysis. European Journal of Sport Science, 2020, 20, 1187-1196.	1.4	12
44	Ontology-Enhanced Machine Learning: A Bosch Use Case of Welding Quality Monitoring. Lecture Notes in Computer Science, 2020, , 531-550.	1.0	28
45	Predicting Quality of Automated Welding with Machine Learning and Semantics. , 2020, , .		21
46	Cell segmentation and tracking using CNN-based distance predictions and a graph-based matching strategy. PLoS ONE, 2020, 15, e0243219.	1.1	56
47	Maschinelles Lernen und Künstliche Intelligenz – Eine Revolution in der Automatisierungstechnik oder nur ein Hype?. Automatisierungstechnik, 2020, 68, 295-300.	0.4	1
48	Forecasting energy time series with profile neural networks. , 2020, , .		9
49	MondoA regulates gene expression in cholesterol biosynthesis-associated pathways required for zebrafish epiboly. ELife, 2020, 9, .	2.8	7
50	Evaluation of semi-supervised learning using sparse labeling to segment cell nuclei. Current Directions in Biomedical Engineering, 2020, 6, 398-401.	0.2	3
51	Point and contextual anomaly detection in building load profiles of a university campus. , 2020, , .		6
52	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0
53	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0
54	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0

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55	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0
56	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0
57	Pax6 organizes the anterior eye segment by guiding two distinct neural crest waves. , 2020, 16, e1008774.		0
58	Microfluidic Chips for Life Sciencesâ€”A Comparison of Low Entry Manufacturing Technologies. Small, 2019, 15, e1901956.	5.2	20
59	BioSAXS Measurements Reveal That Two Antimicrobial Peptides Induce Similar Molecular Changes in Gram-Negative and Gram-Positive Bacteria. Frontiers in Pharmacology, 2019, 10, 1127.	1.6	14
60	Automated design process for hybrid regression modeling with a one-class SVM. Automatisierungstechnik, 2019, 67, 843-852.	0.4	5
61	Ausgewählte Beiträge aus dem GMA-Fachausschuss 5.14 â€”Computational Intelligenceâ€œ. Automatisierungstechnik, 2019, 67, 817-819.	0.4	1
62	Machine Learning Methods for Automated Quantification of Ventricular Dimensions. Zebrafish, 2019, 16, 542-545.	0.5	10
63	Benchmarking in classification and regression. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1318.	4.6	23
64	Quanfima: An open source Python package for automated fiber analysis of biomaterials. PLoS ONE, 2019, 14, e0215137.	1.1	14
65	High accuracy beam splitting using spatial light modulator combined with machine learning algorithms. Optics and Lasers in Engineering, 2019, 121, 227-235.	2.0	21
66	Digital technologies in airport ground operations. NETNOMICS: Economic Research and Electronic Networking, 2019, 20, 1-30.	0.9	23
67	Data mining tools. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2019, 9, e1309.	4.6	16
68	The HMG box transcription factors Sox1a and b specify a new class of glycinergic interneurons in the spinal cord of zebrafish embryos. Development (Cambridge), 2019, 146, .	1.2	20
69	Modeling and Force Control of a Terramechanical Wheel-Soil Contact for a Robotic Manipulator Used in the Planetary Rover Design Process. , 2019, , .		1
70	On Calendar-Based Scheduling for User-Friendly Charging of Plug-In Electric Vehicles. , 2019, , .		4
71	Feature Space Exploration for Motion Classification Based on Multi-Modal Sensor Data for Lower Limb Exoskeletons. , 2019, , .		2
72	Synergy Pattern of Short Cationic Antimicrobial Peptides Against Multidrug-Resistant Pseudomonas aeruginosa. Frontiers in Microbiology, 2019, 10, 2740.	1.5	48

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73	Strategies for supplementing recurrent neural network training for spatio-temporal prediction. <i>Automatisierungstechnik</i> , 2019, 67, 545-556.	0.4	6
74	Motion prediction enables simulated MR-imaging of freely moving model organisms. <i>PLoS Computational Biology</i> , 2019, 15, e1006997.	1.5	0
75	Fuzzy tissue detection for real-time focal control in corneal confocal microscopy. <i>Automatisierungstechnik</i> , 2019, 67, 879-888.	0.4	1
76	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
77	Machine learning aided phase retrieval algorithm for beam splitting with an LCoS-SLM. , 2019, , .		5
78	Concept and benchmark results for Big Data energy forecasting based on Apache Spark. <i>Journal of Big Data</i> , 2018, 5, .	6.9	6
79	Energy forecasting tools and services. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1235.	4.6	26
80	Zebrafish: A Pharmacogenetic Model for Anesthesia. <i>Methods in Enzymology</i> , 2018, 602, 189-209.	0.4	8
81	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
82	Characterization of Road Condition with Data Mining Based on Measured Kinematic Vehicle Parameters. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-10.	0.9	5
83	Storage Scheduling with Stochastic Uncertainties: Feasibility and Cost of Imbalances. , 2018, , .		1
84	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
85	Cell segmentation in 3D confocal images using supervoxel merge-forests with CNN-based hypothesis selection. , 2018, , .		18
86	Demand Response clustering. , 2018, , .		0
87	Cellular in vivo 3D imaging of the cornea by confocal laser scanning microscopy. <i>Biomedical Optics Express</i> , 2018, 9, 2511.	1.5	42
88	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
89	Assessment of Unsupervised Standard Pattern Recognition Methods for Industrial Energy Time Series. , 2018, , .		3
90	Numerical Weather Prediction Data Free Solar Power Forecasting with Neural Networks. , 2018, , .		8

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91	Wnt/PCP controls spreading of Wnt/ β -catenin signals by cytonemes in vertebrates. <i>ELife</i> , 2018, 7, .	2.8	106
92	DaMoQ: Eine Open-Source-MATLAB-Toolbox zur Bewertung von Daten- und ModellqualitÄt in Regressionen. <i>Automatisierungstechnik</i> , 2017, 65, 207-218.	0.4	2
93	Prognose fÄ¼r preisbeeinflusstes Verbrauchsverhalten. <i>Automatisierungstechnik</i> , 2017, 65, 179-188.	0.4	3
94	An objective comparison of cell-tracking algorithms. <i>Nature Methods</i> , 2017, 14, 1141-1152.	9.0	399
95	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
96	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
97	The rumen microbiome: an underexplored resource for novel antimicrobial discovery. <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 33.	2.9	51
98	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
99	AusgewÄhlte BeitrÄge aus dem GMA-Fachausschuss 5.14 â€žComputational Intelligenceâ€œ. <i>Automatisierungstechnik</i> , 2017, 65, 153-155.	0.4	0
100	Charakterisierung der Fahrbahnbeschaffenheit durch Data Mining von gemessenen kinematischen FahrzeuggrÄÄen. <i>Automatisierungstechnik</i> , 2017, 65, 867-877.	0.4	1
101	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
102	Screening and Optimizing Antimicrobial Peptides by Using SPOT-Synthesis. <i>Frontiers in Chemistry</i> , 2017, 5, 25.	1.8	36
103	Fuzzy-based propagation of prior knowledge to improve large-scale image analysis pipelines. <i>PLoS ONE</i> , 2017, 12, e0187535.	1.1	6
104	XPIWITÄ€”an XML pipeline wrapper for the Insight Toolkit. <i>Bioinformatics</i> , 2016, 32, 315-317.	1.8	28
105	Control scheme selection in human-machine- interfaces by analysis of activity signals. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 707-710.	0.2	0
106	A framework for feedback-based segmentation of 3D image stacks. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 437-441.	0.2	0
107	Zebrafish biosensor for toxicant induced muscle hyperactivity. <i>Scientific Reports</i> , 2016, 6, 23768.	1.6	20
108	Virtual Storages as Theoretically Motivated Demand Response Models for Enhanced Smart Grid Operations. <i>Energy Technology</i> , 2016, 4, 163-176.	1.8	6

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109	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. Energy Technology, 2016, 4, 145-162.	1.8	56
110	Generating semi-synthetic validation benchmarks for embryomics. , 2016, , .		12
111	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
112	Big Data & Automatisierung. Automatisierungstechnik, 2016, 64, 503-506.	0.4	0
113	Einfluss von Trainingseffekten auf die Parameteradaption f¼r Mensch-Maschine-Schnittstellen in der Medizintechnik. Automatisierungstechnik, 2016, 64, 816-826.	0.4	0
114	Prof. Dr.-Ing. habil. Georg Bretthauer zum 70. Geburtstag. Automatisierungstechnik, 2016, 64, 852-854.	0.4	1
115	Automation strategies for large-scale 3D image analysis. Automatisierungstechnik, 2016, 64, 555-566.	0.4	1
116	Automated phenotype pattern recognition of zebrafish for high-throughput screening. Bioengineered, 2016, 7, 261-265.	1.4	16
117	Improving short antimicrobial peptides despite elusive rules for activity. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1024-1033.	1.4	57
118	Real-Time Three-Dimensional Cell Segmentation in Large-Scale Microscopy Data of Developing Embryos. Developmental Cell, 2016, 36, 225-240.	3.1	156
119	Small angle X-ray scattering as a high-throughput method to classify antimicrobial modes of action. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 918-925.	1.4	33
120	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
121	A New Feedback-Based Method for Parameter Adaptation in Image Processing Routines. PLoS ONE, 2016, 11, e0165180.	1.1	2
122	Use of Peptide Libraries for Identification and Optimization of Novel Antimicrobial Peptides. Current Topics in Medicinal Chemistry, 2016, 17, 537-553.	1.0	38
123	Steer by ear: Myoelectric auricular control of powered wheelchairs for individuals with spinal-cord-injury. Restorative Neurology and Neuroscience, 2015, 34, 79-95.	0.4	21
124	A Zebrafish Drug-Repurposing Screen Reveals sGC-Dependent and sGC-Independent Pro-Inflammatory Activities of Nitric Oxide. PLoS ONE, 2015, 10, e0137286.	1.1	20
125	An automated and high-throughput Photomotor Response platform for chemical screens. , 2015, 2015, 7728-31.		6
126	A contribution to the load forecast of price elastic consumption behaviour. , 2015, , .		5

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127	Fuzzy Control. , 2015, , 269-283.		3
128	Data processing of high-rate low-voltage distribution grid recordings for smart grid monitoring and analysis. Eurasip Journal on Advances in Signal Processing, 2015, 2015, .	1.0	29
129	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
130	Clinical and Molecular Implications of MED15 in Head and Neck Squamous Cell Carcinoma. American Journal of Pathology, 2015, 185, 1114-1122.	1.9	21
131	Interaction of blood components with cathelicidins and their modified versions. Biomaterials, 2015, 69, 201-211.	5.7	20
132	Demand response clustering - How do dynamic prices affect household electricity consumption?. , 2015, , .		6
133	A Concept for the Control, Monitoring and Visualization Center in Energy Lab 2.0. Lecture Notes in Computer Science, 2015, , 83-94.	1.0	10
134	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
135	Kalibrierungs- und Trainingsstrategien zur individuellen Signalgenerierung für die myoelektrische Steuerung technischer Hilfsmittel. TM Technisches Messen, 2015, 82, 411-421.	0.3	1
136	Fast Segmentation of Stained Nuclei in Terabyte-Scale, Time Resolved 3D Microscopy Image Stacks. PLoS ONE, 2014, 9, e90036.	1.1	75
137	Automated prior knowledge-based quantification of neuronal patterns in the spinal cord of zebrafish. Bioinformatics, 2014, 30, 726-733.	1.8	7
138	Data Mining zur Analyse der Auswirkungen von Preissignalen auf Haushaltsstromkunden. Automatisierungstechnik, 2014, 62, 740-752.	0.4	10
139	Asphalt Image Miner: Ein Werkzeug zur automatischen Quantifizierung der Gesteinskörnungen in Asphaltproben. Automatisierungstechnik, 2014, 62, 676-683.	0.4	0
140	Mosaicking the Subbasal Nerve Plexus by Guided Eye Movements. , 2014, 55, 6082.		45
141	Which functional impairments are the main contributors to pelvic anterior tilt during gait in individuals with cerebral palsy?. Gait and Posture, 2014, 39, 359-364.	0.6	30
142	Automatic Zebrafish Heartbeat Detection and Analysis for Zebrafish Embryos. Zebrafish, 2014, 11, 379-383.	0.5	49
143	Automated Processing of Zebrafish Imaging Data: A Survey. Zebrafish, 2013, 10, 401-421.	0.5	73
144	Genome-wide, whole mount in situ analysis of transcriptional regulators in zebrafish embryos. Developmental Biology, 2013, 380, 351-362.	0.9	54

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145	Targeting Mycobacterium tuberculosis and Other Microbial Pathogens Using Improved Synthetic Antibacterial Peptides. Antimicrobial Agents and Chemotherapy, 2013, 57, 2295-2303.	1.4	72
146	Identification of Nonvisual Photomotor Response Cells in the Vertebrate Hindbrain. Journal of Neuroscience, 2013, 33, 3834-3843.	1.7	98
147	Automatic Tuning of Image Segmentation Parameters by Means of Fuzzy Feature Evaluation. Advances in Intelligent Systems and Computing, 2013, , 459-467.	0.5	5
148	Concept of a Co-Adaptive Training Environment for Human-Machine Interfaces Based on EMG-Control. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	4
149	Flexible diskret-kontinuierliche Äœberwachung und Regelung humanoider Roboter. Automatisierungstechnik, 2013, 61, 16-26.	0.4	0
150	Facilitating Drug Discovery: An Automated High-content Inflammation Assay in Zebrafish. Journal of Visualized Experiments, 2012, , e4203.	0.2	23
151	Methoden zur datengetriebenen Formulierung und Visualisierung von KausalitÄtshypothesen. Automatisierungstechnik, 2012, 60, 630-640.	0.4	1
152	Konzept fÄ¼r einen biologisch inspirierten, semi-passiven pneumatisch angetriebenen zweibeinigen Prothesen-Roboter-Hybrid. Automatisierungstechnik, 2012, 60, 662-672.	0.4	0
153	Frequency and clinicopathologic correlates of KRAS amplification in non-small cell lung carcinoma. Lung Cancer, 2011, 74, 118-123.	0.9	53
154	Gait analysis may help to distinguish hereditary spastic paraplegia from cerebral palsy. Gait and Posture, 2011, 33, 556-561.	0.6	39
155	SOX2 amplification is a common event in squamous cell carcinomas of different organ sites. Human Pathology, 2011, 42, 1078-1088.	1.1	99
156	Evaluation of data mining approaches for the control of multifunctional arm prostheses. Integrated Computer-Aided Engineering, 2011, 18, 235-249.	2.5	6
157	Data mining tools. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 431-443.	4.6	100
158	SOX2 gene amplification and protein overexpression are associated with better outcome in squamous cell lung cancer. Modern Pathology, 2011, 24, 944-953.	2.9	177
159	Automatische Klassifikation von Bildzeitreihen fÄ¼r toxikologische Hochdurchsatz-Untersuchungen. Automatisierungstechnik, 2011, 59, 259-268.	0.4	1
160	Modelling the Labyrinth Seal Discharge Coefficient Using Data Mining Methods. , 2010, , .		4
161	Human-like reflexes for robotic manipulation using leaky integrate-and-fire neurons. , 2010, , .		8
162	Data Mining fÄ¼r hochdimensionale Messsysteme. TM Technisches Messen, 2010, 77, 524-529.	0.3	0

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163	Computer-Based Analysis, Visualization, and Interpretation of Antimicrobial Peptide Activities. <i>Methods in Molecular Biology</i> , 2010, 618, 287-299.	0.4	24
164	Methods for Automated High-Throughput Toxicity Testing Using Zebrafish Embryos. <i>Lecture Notes in Computer Science</i> , 2010, , 219-226.	1.0	6
165	Aus der Arbeit des GMA-FA 5.14 "Computational Intelligence". <i>Automatisierungstechnik</i> , 2009, 57, 167-167.	0.4	0
166	Computational Intelligence (Fortsetzung). <i>Automatisierungstechnik</i> , 2009, 57, 105-105.	0.4	0
167	Zebrafish embryos as models for embryotoxic and teratological effects of chemicals. <i>Reproductive Toxicology</i> , 2009, 28, 245-253.	1.3	240
168	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
169	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
170	Computational Intelligence (Computational Intelligence). <i>Automatisierungstechnik</i> , 2008, 56, 335-338.	0.4	3
171	Data-Mining-Analysen mit der Matlab-Toolbox Gait-CAD (Data Mining Analyses with the Matlab Toolbox) <i>Tj ETQq1 1 0.784314 rgBT / O</i>	0.4	2
172	Data mining in medical time series. <i>Biomedizinische Technik</i> , 2006, 51, 288-293.	0.9	11
173	Automated feature assessment in instrumented gait analysis. <i>Gait and Posture</i> , 2006, 23, 331-338.	0.6	61
174	ROBUST TRAINING AND CONTROL STRATEGIES FOR THE GRASP TYPE SELECTION OF HAND PROSTHESES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 478-483.	0.4	0
175	Regelungs- und Steuerungskonzepte für Neuroprothesen am Beispiel der oberen Extremitäten (Closed-) <i>Tj ETQq1 1 0.784314 rgBT / O</i> <i>Automatisierungstechnik</i> , 2006, 54, 523-536.	0.4	1
176	From diagnostics to therapy – conceptual basis for real-time movement feedback in rehabilitation medicine. <i>Biomedizinische Technik</i> , 2006, 51, 299-304.	0.9	4
177	Zeitvariante Klassifikatoren zur Steuerung von Brain Machine Interfaces und Neuroprothesen (Time-variant Classifiers to Control Brain Machine Interfaces and Neuroprostheses). <i>Automatisierungstechnik</i> , 2006, 54, 537-545.	0.4	0
178	Interpretability issues in data-based learning of fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2005, 150, 179-197.	1.6	130
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