# Changle Zhou

List of Publications by Year
in descending order

| 121 papers | 848 citations | 687363 13 h-index | 642732 23 g-index |
|---|---|---|---|
| 124 all docs | 124 docs citations | 124 times ranked | 828 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A hybrid simulated annealing metaheuristic algorithm for the two-dimensional knapsack packing problem. Computers and Operations Research, 2012, 39, 64-73. | 4.0 | 88 |
| 2 | Particle swarm optimizer for variable weighting in clustering high-dimensional data. Machine Learning, 2011, 82, 43-70. | 5.4 | 64 |
| 3 | Graph theoretical analysis of EEG functional connectivity during music perception. Brain Research, 2012, 1483, 71-81. | 2.2 | 53 |
| 4 | Establishment of noninvasive diabetes risk prediction model based on tongue features and machine learning techniques. International Journal of Medical Informatics, 2021, 149, 104429. | 3.3 | 44 |
| 5 | Robotic Dance in Social Robotics—A Taxonomy. IEEE Transactions on Human-Machine Systems, 2015, 45, 281-293. | 3.5 | 36 |
| 6 | Time Series Prediction Based on Linear Regression and SVR. , 2007, , . | | 35 |
| 7 | Precise segmentation of densely interweaving neuron clusters using G-Cut. Nature Communications, 2019, 10, 1549. | 12.8 | 28 |
| 8 | Generative Adversarial Nets in Robotic Chinese Calligraphy. , 2018, , . | | 23 |
| 9 | An Improved Fuzzy Brain Emotional Learning Model Network Controller for Humanoid Robots. Frontiers in Neurorobotics, 2019, 13, 2. | 2.8 | 23 |
| 10 | Use of Automatic Chinese Character Decomposition and Human Gestures for Chinese Calligraphy Robots. IEEE Transactions on Human-Machine Systems, 2019, 49, 47-58. | 3.5 | 22 |
| 11 | The esthetic preference of Chinese typefaces – An event-related potential study. Brain Research, 2015, 1598, 57-65. | 2.2 | 19 |
| 12 | Fuzzy cerebellar model articulation controller network optimization via self-adaptive global best harmony search algorithm. Soft Computing, 2018, 22, 3141-3153. | 3.6 | 18 |
| 13 | Content-Based Affective Image Classification and Retrieval Using Support Vector Machines. Lecture Notes in Computer Science, 2005, , 239-247. | 1.3 | 18 |
| 14 | OpenPsi: A novel computational affective model and its application in video games. Engineering Applications of Artificial Intelligence, 2013, 26, 1-12. | 8.1 | 17 |
| 15 | The influence of Mozart's sonata K.448 on visual attention: An ERPs study. Neuroscience Letters, 2008, 434, 35-40. | 2.1 | 15 |
| 16 | Leaf Image Retrieval Using a Shape Based Method. , 2005, , 711-719. | | 15 |
| 17 | Real-Time Eye Detection in Video Streams. , 2008, , . | | 14 |
| 18 | Improving machine vision via incorporating expectation-maximization into Deep Spatio-Temporal learning. , 2014, , . | | 14 |

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| 19 | Autonomous Robotic Choreography Creation via Semi-interactive Evolutionary Computation. International Journal of Social Robotics, 2016, 8, 649-661. | 4.6 | 14 |
| 20 | Effect of Different Movement Speed Modes on Human Action Observation: An EEG Study. Frontiers in Neuroscience, 2018, 12, 219. | 2.8 | 13 |
| 21 | A reduced classifier ensemble approach to human gesture classification for robotic Chinese handwriting. , 2014, , . | | 12 |
| 22 | Integration of classifier diversity measures for feature selection-based classifier ensemble reduction. Soft Computing, 2016, 20, 2995-3005. | 3.6 | 10 |
| 23 | Enhanced Robotic Hand–Eye Coordination Inspired From Human-Like Behavioral Patterns. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 384-396. | 3.8 | 10 |
| 24 | Outline Font Generating from Images of Ancient Chinese Calligraphy. Lecture Notes in Computer Science, 2011, , 122-131. | 1.3 | 10 |
| 25 | Study on Knowledge Base Verification Based on Petri Nets. , 0, , . | | 8 |
| 26 | A Multi-feature CBIR Method Using in the Traditional Chinese Medicine Tongue Diagnosis. , 2006, , . | | 8 |
| 27 | Neural Mechanisms of Social Emotion Perception: An EEG Hyper-Scanning Study. , 2018, , . | | 8 |
| 28 | Towards Deep Reinforcement Learning Based Chinese Calligraphy Robot. , 2018, , . | | 8 |
| 29 | A Hybrid System for Distinguishing between Brain Death and Coma Using Diverse EEG Features. Sensors, 2019, 19, 1342. | 3.8 | 8 |
| 30 | Feature Extraction and XML Representation of Plant Leaf for Image Retrieval. Lecture Notes in Computer Science, 2006, , 127-131. | 1.3 | 8 |
| 31 | Different masking effects on "hole" and "no-hole" figures. Journal of Vision, 2009, 9, 6-6. | 0.3 | 7 |
| 32 | Crossmodal effects of Guqin and piano music on selective attention: An event-related potential study. Neuroscience Letters, 2009, 466, 21-26. | 2.1 | 7 |
| 33 | Text Clustering via Particle Swarm Optimization. , 2009, , . | | 7 |
| 34 | A Robust Noninvasive Eye Control Approach For Disabled People Based on Kinect 2.0 Sensor. , 2017, 1, 1-4. | | 7 |
| 35 | An SSVEP Recognition Method by Combining Individual Template with CCA. , 2019, , . | | 7 |
| 36 | The segmentation of the body of tongue based on the improved snake algorithm in traditional chinese medicine. , 0, , . | | 6 |

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| 37 | An Intelligent TCM Diagnostic System Based on Intuitionistic Fuzzy Set. , 2007, , . | | 6 |
| 38 | Objective Classification Using Advanced Adaboost Algorithm. , 2008, , . | | 6 |
| 39 | Dynamics of a computational affective model inspired by Dörner's PSI theory. Cognitive Systems Research, 2012, 17-18, 63-80. | 2.7 | 6 |
| 40 | A novel single-trial event-related potential estimation method based on compressed sensing. Neuroscience Bulletin, 2013, 29, 788-797. | 2.9 | 6 |
| 41 | An NP-complete fragment of fibring logic. Annals of Mathematics and Artificial Intelligence, 2015, 75, 391-417. | 1.3 | 6 |
| 42 | A Robotic Writing Framework—Learning Human Aesthetic Preferences via Human—Machine Interactions. IEEE Access, 2019, 7, 144043-144053. | 4.2 | 6 |
| 43 | Emotional Metaphors for Emotion Recognition in Chinese Text. Lecture Notes in Computer Science, 2005, , 319-325. | 1.3 | 6 |
| 44 | An Approach to Syndrome Differentiation in Traditional Chinese Medicine based on Neural Network. , 2007, , . | | 5 |
| 45 | Towards a Robotic Chinese Calligraphy Writing Framework. , 2018, , . | | 5 |
| 46 | Diagnosis in Traditional Chinese Medicine Using Artificial Neural Networks: State-of-the-art and Perspectives. , 2007, , . | | 4 |
| 47 | Syndrome Differentiation in Intelligent TCM Diagnosis System. , 2009, , . | | 4 |
| 48 | A connectionist model for 2-dimensional modal logic. , 2013, , . | | 4 |
| 49 | A Developmental Learning Approach of Mobile Manipulator via Playing. Frontiers in Neurorobotics, 2017, 11, 53. | 2.8 | 4 |
| 50 | Domain-Specific Information Retrieval Based on Improved Language Model. , 2007, , . | | 3 |
| 51 | Human Head Modeling Based on an Improved Generic Model. , 2008, , . | | 3 |
| 52 | A classification-based method to estimate event-related potentials from single trial EEG. Science China Life Sciences, 2012, 55, 57-67. | 4.9 | 3 |
| 53 | A novel approach to a mobile robot via multiple human body postures. , 2016, , . | | 3 |
| 54 | Robotic Chinese Calligraphy with Human Preference. , 2019, , . | | 3 |

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| 55 | An EEG Classification-Based Method for Single-Trial N170 Latency Detection and Estimation. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-13. | 1.3 | 3 |
| 56 | A New Hybrid Hmm/Ann Model for Speech Recognition. , 2005, , 223-230. | | 2 |
| 57 | Automatic Extraction of Chinese Terms. , 0, , . | | 2 |
| 58 | Multipoint Organizational Evolutionary Algorithm for Globally Minimizing Functions of Many Variables. , 2007, , . | | 2 |
| 59 | An Embedded Tree Matching Algorithm based on Metaphorical Dependency Structure. , 2007, , . | | 2 |
| 60 | Extension of Mean Shift vector with theoretical analysis and experiment. , 2008, , . | | 2 |
| 61 | A forecast model based on the BP neural network used in refinery's steel equipment's corrosion. , 2009, , . | | 2 |
| 62 | Sci-MIDI toolbox for music research. , 2009, , . | | 2 |
| 63 | METAPHOR RECOGNITION: CHMETA, A PATTERNâ€BASED SYSTEM. Computational Intelligence, 2009, 25, 265-301. | 3.2 | 2 |
| 64 | A word alignment model based on multiobjective evolutionary algorithms. Computers and Mathematics With Applications, 2009, 57, 1724-1729. | 2.7 | 2 |
| 65 | Automated composition system based on GA. , 2010, , . | | 2 |
| 66 | A human-like learning approach to developmental robotic reaching. , 2013, , . | | 2 |
| 67 | License plate recognition based on intrinsic image decomposition algorithm. , 2014, , . | | 2 |
| 68 | Asynchronous Introspection Theory: The Underpinnings of Phenomenal Consciousness in Temporal Illusion. Minds and Machines, 2017, 27, 315-330. | 4.8 | 2 |
| 69 | Feature extraction and calibration of EEG signals in sitting and walking meditation. , 2019, , . | | 2 |
| 70 | Idle-State Detection in Multi-user Motor Imagery Brain Computer Interface with Cross-Brain CSP and Hyper-Brain-Network. , 2019, , . | | 2 |
| 71 | Performance Comparison of Language Models for Information Retrieval. , 2005, , 721-730. | | 2 |
| 72 | Research on Content-Based Text Retrieval and Collaborative Filtering in Hybrid Peer-to-Peer Networks. Lecture Notes in Computer Science, 2005, , 417-426. | 1.3 | 2 |

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| 73 | Improved Genetic Algorithm for Multiple Sequence Alignment Using Segment Profiles (GASP). Lecture Notes in Computer Science, 2006, , 388-395. | 1.3 | 2 |
| 74 | Face recognition using feature combination and improved LDA. , 0, , . | | 1 |
| 75 | A novel combined fisherfaces framework. , 0, , . | | 1 |
| 76 | Web document retrieval based on multi-agent. , 2005, , . | | 1 |
| 77 | Constraints for Automated Generating Chinese Metaphors. , 0, , . | | 1 |
| 78 | Diagnostic Rules Discovery with Hierarchical Clustering and Focusing Mechanism Based on Rough Sets Theory. , 2007, , . | | 1 |
| 79 | Combination of Principal Component Analysis and Bayesian Network and its Application on Syndrome Classification for Chronic Gastritis in Traditional Chinese Medicine. , 2007, , . | | 1 |
| 80 | Automatic Keyphrase Extraction from Chinese Books. , 2007, , . | | 1 |
| 81 | A chunk-based reordering model for phrase-based SMT systems. , 2008, , . | | 1 |
| 82 | Configural processing of different topologically structured figures: an ERP Study. Science in China Series C: Life Sciences, 2009, 52, 1198-1204. | 1.3 | 1 |
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| 84 | A Simplified-Traditional Chinese Character Conversion Model Based on Log-Linear Models. , 2011, , . | | 1 |
| 85 | A semi-supervised learning system for service robots to recognise human actions. Advanced Robotics, 2014, 28, 907-918. | 1.8 | 1 |
| 86 | A reasoning system about knowledge extraction in human-computer interaction. , 2016, , . | | 1 |
| 87 | Constructing and validating word similarity datasets by integrating methods from psychology, brain science and computational linguistics. Soft Computing, 2018, 22, 6967-6979. | 3.6 | 1 |
| 88 | Monitoring time€varying residential load operation modes: an efficient signal disaggregation approach. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 85-96. | 1.4 | 1 |
| 89 | The probabilistic support Kendall correlation and its transitivity properties. Communications in Statistics - Theory and Methods, 2020, 49, 485-499. | 1.0 | 1 |
| 90 | A Developmental Evolutionary Learning Framework for Robotic Chinese Stroke Writing. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1155-1169. | 3.8 | 1 |

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| 91 | A Partially Connected Neural Evolutionary Network for Stock Price Index Forecasting. Lecture Notes in Computer Science, 2012, , 14-19. | 1.3 | 1 |
| 92 | Research of the Distribution of Tongue Features of Diabetic Population Based on Unsupervised Learning Technology. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-14. | 1.2 | 1 |
| 93 | A Biased Competition Model Based on Distributed Chaotic Neural Network. , 0, , . | | 0 |
| 94 | Genetic Neural Network for Traditional Chinese Medicine. , 0, , . | | 0 |
| 95 | A New Formula of Synaptic Plasticity Based on STDP and Its Implications. , 0, , . | | 0 |
| 96 | A Novel Method of Tongue Image Recognition. , 2005, , . | | 0 |
| 97 | Two Improved Algorithms for Multiple Sequence Alignment in a Remote Diagnose System for Colonic Cancer in Pervasive Environment. , 2006, , . | | 0 |
| 98 | Research on Resolution of Chinese Presuppositions Oriented to Pervasive Computing System. , 2006, , . | | 0 |
| 99 | A Logical Description of Metaphor Analysis. , 2007, , . | | 0 |
| 100 | Translation Memory Sharing Models in XMCAT. , 2007, , . | | 0 |
| 101 | Quantum associative memory that processes nonorthogonal patterns. , 2008, , . | | 0 |
| 102 | Interpretation, Transformation and Model Checking of Semi-formal Diagram Notations. , 2008, , . | | 0 |
| 103 | A Visual Attention Model for Dynamic Scenes Based on Two-Pathway Processing in Brain. , 2008, , . | | 0 |
| 104 | Incorporating syntax-based language models in phrase-based SMT models. , 2008, , . | | 0 |
| 105 | Knowledge grid application in the digital TCM hospital system. , 2008, , . | | 0 |
| 106 | The Strength Mutation Evolutionary Algorithm and Its Application in Multi-object Optimization. , 2008, , . | | 0 |
| 107 | A Hybrid Statistical Language Model Applied to the Domain Specific Information Retrieval. , 2008, , . | | 0 |
| 108 | The fundamental frequency estimation of Guqin timbre based on wavelet transform. , 2009, , . | | 0 |

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| 109 | Particle swarm optimizer for variable weighting in clustering high-dimensional data. , 2009, , . | | 0 |
| 110 | Parallel hydrodynamic finite element model with an N-Best refining partition scheme. Chinese Journal of Oceanology and Limnology, 2010, 28, 1340-1349. | 0.7 | 0 |
| 111 | Decomposition of reduced character of Chinese Guqin notation. , 2010, , . | | 0 |
| 112 | Automated Extraction of Lexicon Applied both to Chinese and Japanese Corpora. , 2012, , . | | 0 |
| 113 | An algorithm for computing attribute reducts based on graph search strategy. , 2012, , . | | 0 |
| 114 | Time-course of perceptual processing of â€œholeâ€and â€œno-holeâ€figures: An ERP study. Neuroscience Bulletin, 2013, 29, 47-57. | 2.9 | 0 |
| 115 | A dorsal pathway guided visual attention model. , 2013, , . | | 0 |
| 116 | A system for modeling robotic intellectual belief. , 2016, , . | | 0 |
| 117 | Hyperconnectivity by Simultaneous EEG Recordings during Turn-taking. , 2018, , . | | 0 |
| 118 | Research on Mobile Agent Based Information Content-Sharing in Peer to Peer System. Lecture Notes in Computer Science, 2005, , 130-139. | 1.3 | 0 |
| 119 | An accelerated image-reconstruction algorithm based on fusion of color and codeword. , 2014, , . | | 0 |
| 120 | Towards Chinese Metaphor Comprehension Based on Attribute Statistic Analysis. Advances in Intelligent Systems and Computing, 2017, , 207-217. | 0.6 | 0 |
| 121 | The PGNN for the Differentiation of Syndromes of the Kidney. , 2006, , 337-345. | | 0 |