

# Pan Zheng

## List of Publications by Year in descending order

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35  
papers

711  
citations

759055

12  
h-index

526166

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiking Neural P Systems With Colored Spikes. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 1106-1115.	2.6	116
2	Design of logic gates using spiking neural P systems with homogeneous neurons and astrocytes-like control. Information Sciences, 2016, 372, 380-391.	4.0	114
3	Spiking Neural P Systems With Learning Functions. IEEE Transactions on Nanobioscience, 2019, 18, 176-190.	2.2	85
4	A Parallel Image Skeletonizing Method Using Spiking Neural P Systems with Weights. Neural Processing Letters, 2019, 50, 1485-1502.	2.0	72
5	On the Computational Power of Spiking Neural P Systems with Self-Organization. Scientific Reports, 2016, 6, 27624.	1.6	70
6	A Parallel Workflow Pattern Modeling Using Spiking Neural P Systems With Colored Spikes. IEEE Transactions on Nanobioscience, 2018, 17, 474-484.	2.2	54
7	A computational approach for nuclear export signals identification using spiking neural P systems. Neural Computing and Applications, 2018, 29, 695-705.	3.2	27
8	U-Next: A Novel Convolution Neural Network With an Aggregation U-Net Architecture for Gallstone Segmentation in CT Images. IEEE Access, 2019, 7, 166823-166832.	2.6	26
9	A Parallel Bioinspired Framework for Numerical Calculations Using Enzymatic P System With an Enzymatic Environment. IEEE Access, 2018, 6, 65548-65556.	2.6	14
10	Small Universal Bacteria and Plasmid Computing Systems. Molecules, 2018, 23, 1307.	1.7	14
11	An Improved Convolutional Network Architecture Based on Residual Modeling for Person Re-Identification in Edge Computing. IEEE Access, 2019, 7, 106748-106759.	2.6	14
12	A deep model method for recognizing activities of workers on offshore drilling platform by multistage convolutional pose machine. Journal of Loss Prevention in the Process Industries, 2020, 64, 104043.	1.7	14
13	Multi-TransDTI: Transformer for Drug-Target Interaction Prediction Based on Simple Universal Dictionaries with Multi-View Strategy. Biomolecules, 2022, 12, 644.	1.8	11
14	Optimising technology to measure functional vision, mobility and service outcomes for people with low vision or blindness: protocol for a prospective cohort study in Australia and Malaysia. BMJ Open, 2017, 7, e018140.	0.8	9
15	Hungry Cat- A Serious Game for Conveying Spatial Information to the Visually Impaired. Multimodal Technologies and Interaction, 2019, 3, 12.	1.7	9
16	SC-Dynamic R-CNN: A Self-Calibrated Dynamic R-CNN Model for Lung Cancer Lesion Detection. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-9.	0.7	9
17	A Programming 20-30nm Rectangular DNA Origami for Loading Doxorubicin to Penetrate Ovarian Cancer Cells. IEEE Transactions on Nanobioscience, 2020, 19, 152-157.	2.2	8
18	On the Computational Power of Asynchronous Axon Membrane Systems. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 696-704.	3.4	7

#	ARTICLE	IF	CITATIONS
19	An Enhanced Prior Knowledge GAN for CT Images Generation of Early Lung Nodules with Small-Size Labelled Samples. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-9.	1.9	7
20	A programming triangular DNA origami for doxorubicin loading and delivering to target ovarian cancer cells. <i>Oncotarget</i> , 2017, .	0.8	6
21	A functional pipeline framework for landmark identification on 3D surface extracted from volumetric data. <i>PLoS ONE</i> , 2017, 12, e0187558.	1.1	4
22	A Robust Subset-ICP Method for Point Set Registration. <i>Lecture Notes in Computer Science</i> , 2013, , 59-69.	1.0	4
23	Editorial: Artificial Intelligence in Bioinformatics and Drug Repurposing: Methods and Applications. <i>Frontiers in Genetics</i> , 2022, 13, 870795.	1.1	4
24	Skull Registration Using Rigid Super-Curves. , 2009, , .		2
25	Prediction of Sphingosine protein-coding regions with a self adaptive spectral rotation method. <i>PLoS ONE</i> , 2019, 14, e0214442.	1.1	2
26	Comprehensive Literature Reviews on Ground Plane Checking for the Visually Impaired. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 85-103.	0.9	2
27	Bio-Inspired Computing Models and Algorithms. , 2019, , .		2
28	A novel method for multifactorial bio-chemical experiments design based on combinational design theory. <i>PLoS ONE</i> , 2017, 12, e0186853.	1.1	2
29	Isosurface Extraction of Volumetric Data Using Implicit Surface Polygonization. , 2009, , .		1
30	Finite difference error analysis of geometry properties of implicit surfaces. , 2011, , .		1
31	Guest Editorial: Bio-Inspired Computing Models and Algorithms. <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 100-101.	2.2	1
32	Small-angle approximation attack on angle-based many-to-one functions for biometric templates. , 2015, , .		0
33	An Audio and Haptic Feedback-Based Virtual Environment Spatial Navigation Learning Tool. , 2018, , .		0
34	The Gradient of the Maximal Curvature Estimation for Crest Lines Extraction. <i>Lecture Notes in Computer Science</i> , 2011, , 196-205.	1.0	0
35	A Note on Reversible and Dual Extended Spiking Neural P Systems. <i>Journal of Computational and Theoretical Nanoscience</i> , 2016, 13, 3744-3748.	0.4	0