

Atsushi Nomura

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

109
citations

1478280

6
h-index

1372474

10
g-index

22
all docs

22
docs citations

22
times ranked

38
citing authors

#	ARTICLE	IF	CITATIONS
1	Field theory approach for determining optical flow. Pattern Recognition Letters, 1991, 12, 183-190.	2.6	25
2	Realizing Visual Functions with the Reaction-Diffusion Mechanism. Journal of the Physical Society of Japan, 2003, 72, 2385-2395.	0.7	23
3	Determining motion fields under non-uniform illumination. Pattern Recognition Letters, 1995, 16, 285-296.	2.6	15
4	Edge detection with reaction-diffusion equations having a local average threshold. Pattern Recognition and Image Analysis, 2008, 18, 289-299.	0.6	12
5	Stationary pattern formation in a discrete excitable system with strong inhibitory coupling. Physical Review E, 2009, 79, 056203.	0.8	11
6	Reaction-diffusion algorithm for stereo disparity detection. Machine Vision and Applications, 2009, 20, 175-187.	1.7	7
7	Numerical Experiments on the Turing Instability in the Oregonator Model. Journal of the Physical Society of Japan, 1997, 66, 598-606.	0.7	6
8	Reaction-Diffusion Algorithm for Vision Systems. , 2007, , .		3
9	Image edge detection with discretely spaced FitzHugh-Nagumo type excitable elements. , 2011, , .		3
10	Stereo Vision System with the Grouping Process of Multiple Reaction-Diffusion Models. Lecture Notes in Computer Science, 2005, , 137-144.	1.0	1
11	Chemical activity induces dynamical force with global structure in a reaction-diffusion-convection system. Physical Review E, 2009, 80, 015306.	0.8	1
12	Image Coding and Pooling with a Bio-inspired Reaction-Diffusion Algorithm. Procedia Computer Science, 2015, 71, 125-130.	1.2	1
13	Preprocessing in a reaction-diffusion algorithm designed for image edge detection. , 2016, , .		1
14	Extracting depth information from dynamic image by spatio-temporal correlation analysis. Systems and Computers in Japan, 1991, 22, 70-80.	0.2	0
15	Edge strength evaluation with reaction-diffusion systems. , 2009, , .		0
16	Anisotropic reaction-diffusion stereo algorithm. , 2011, , .		0
17	Subpixel stereo disparity for surface reconstruction by utilising a three-dimensional reaction-diffusion system. , 2012, , .		0
18	Long-Range Inhibition in Reaction-Diffusion Algorithms Designed for Edge Detection and Stereo Disparity Detection. Lecture Notes in Computer Science, 2010, , 185-196.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Image Edge Detection and Orientation Selection with Coupled Nonlinear Excitable Elements. Studies in Computational Intelligence, 2013, , 373-392.	0.7	0
20	Image Edge Detection and Orientation Selection with Coupled Nonlinear Excitable Elements. Studies in Computational Intelligence, 2013, , 429-448.	0.7	0
21	Integral based approach for determining motion vector fields. Lecture Notes in Computer Science, 1997, , 462-469.	1.0	0
22	Initial Conditions of Reaction-Diffusion Algorithm Designed for Image Edge Detection. Lecture Notes in Computer Science, 2019, , 246-251.	1.0	0