Csaba Rekeczky

List of Publications by Year
in descending order

30	455	11	16
papers	citations	h-index	g-index

31	31	31	184
all docs	docs citations	times ranked	citing authors

840119

940134

#	Article	IF	Citations
1	Computing with Front Propagation: Active Contour And Skeleton Models In Continuous-Time CNN. Journal of Signal Processing Systems, 1999, 23, 373-402.	1.0	68
2	CNN-based spatio-temporal nonlinear filtering and endocardial boundary detection in echocardiography. International Journal of Circuit Theory and Applications, 1999, 27, 171-207.	1.3	67
3	CNN-based difference-controlled adaptive non-linear image filters. International Journal of Circuit Theory and Applications, 1998, 26, 375-423.	1.3	56
4	Pixel-level snakes on the CNNUM: algorithm design, on-chip implementation and applications. International Journal of Circuit Theory and Applications, 2005, 33, 17-51.	1.3	33
5	Digital implementation of cellular sensor-computers. International Journal of Circuit Theory and Applications, 2006, 34, 409-428.	1.3	27
6	Configurable 3Dâ€integrated focalâ€plane cellular sensorâ€"processor array architecture. International Journal of Circuit Theory and Applications, 2008, 36, 573-588.	1.3	25
7	The network behind spatio-temporal patterns: building low-complexity retinal models in CNN based on morphology, pharmacology and physiology. International Journal of Circuit Theory and Applications, 2001, 29, 197-239.	1.3	22
8	THE NEW FRAMEWORK OF APPLICATIONS: THE ALADDIN SYSTEM. Journal of Circuits, Systems and Computers, 2003, 12, 769-781.	1.0	20
9	CNN architectures for constrained diffusion based locally adaptive image processing. International Journal of Circuit Theory and Applications, 2002, 30, 313-348.	1.3	19
10	A Nonlinear Wave Metric and its CNN Implementation for Object Classification. Journal of Signal Processing Systems, 1999, 23, 437-447.	1.0	18
11	2D operators on topographic and nonâ€topographic architecturesâ€"implementation, efficiency analysis, and architecture selection methodology. International Journal of Circuit Theory and Applications, 2011, 39, 983-1005.	1.3	18
12	Topographic cellular active contour techniques: theory, implementations and comparisons. International Journal of Circuit Theory and Applications, 2006, 34, 183-216.	1.3	12
13	High performance processor array for image processing. , 2007, , .		10
14	A hierarchical vision processing architecture oriented to 3D integration of smart camera chips. Journal of Systems Architecture, 2013, 59, 908-919.	2.5	9
15	PDE-BASED HISTOGRAM MODIFICATION WITH EMBEDDED MORPHOLOGICAL PROCESSING OF THE LEVEL-SETS. Journal of Circuits, Systems and Computers, 2003, 12, 519-538.	1.0	8
16	3D multi-layer vision architecture for surveillance and reconnaissance applications. , 2009, , .		8
17	ANALOGIC PREPROCESSING AND SEGMENTATION ALGORITHMS FOR OFFLINE HANDWRITING RECOGNITION. Journal of Circuits, Systems and Computers, 2003, 12, 783-804.	1.0	5
18	Multichannel spatio-temporal topographic processing for visual search and navigation. , 2003, 5119, 297.		5

#	Article	IF	Citations
19	3D integrated scalable focal-plane processor array. , 2007, , .		5
20	Elastic Grid Based Analysis of Motion Field for Object-Motion Detection in Airborne Video Flows. , 2007, , .		4
21	Displacement calculation algorithm on a heterogenious multi-layer cellular sensor processor array. , 2010, , .		4
22	Online 3-D Reconstruction of the Right Atrium From Echocardiography Data via a Topographic Cellular Contour Extraction Algorithm. IEEE Transactions on Biomedical Engineering, 2010, 57, 384-396.	2.5	3
23	Digital processor array implementation aspects of a 3D multi-layer vision architecture. , 2010, , .		3
24	VISCUBE: A Multi-Layer Vision Chip. , 2011, , 181-208.		3
25	Analysis of 2D operators on topographic and non-topographic processor architectures. , 2008, , .		2
26	Cellular Multi-adaptive Analogic Computing: Algorithms for UAV Applications. , 2004, , .		1
27	Space-time Signature Analysis of 2D Echocardiograms Based on Topographic Cellular Active Contour Techniques. , 2006, , .		0
28	CNN Wave Computing: Theory, Architectures, Implementations and Applicaions. , 2006, , .		0
29	Multitarget Tracking Applications of the Bi-i Platform: Attention-selection, Tracking and Navigation. , 2006, , .		0
30	Clusterable Cellular Visual Microprocessor. , 2008, , .		0