

Csaba Rekeczky

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

321

citations

10

h-index

17

g-index

31

ext. papers

397

ext. citations

2.1

avg, IF

2.77

L-index

#	Paper	IF	Citations
26	A hierarchical vision processing architecture oriented to 3D integration of smart camera chips. <i>Journal of Systems Architecture</i> , 2013 , 59, 908-919	5.5	6
25	2D operators on topographic and non-topographic architectures Implementation, efficiency analysis, and architecture selection methodology. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 983-1005	2	12
24	VISCUBE: A Multi-Layer Vision Chip 2011 , 181-208		1
23	Digital processor array implementation aspects of a 3D multi-layer vision architecture 2010 ,		2
22	Displacement calculation algorithm on a heterogenous multi-layer cellular sensor processor array 2010 ,		3
21	Online 3-D reconstruction of the right atrium from echocardiography data via a topographic cellular contour extraction algorithm. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 384-96	5	2
20	3D multi-layer vision architecture for surveillance and reconnaissance applications 2009 ,		6
19	Analysis of 2D operators on topographic and non-topographic processor architectures 2008 ,		2
18	Configurable 3D-integrated focal-plane cellular sensor processor array architecture. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 573-588	2	24
17	High performance processor array for image processing 2007 ,		9
16	3D integrated scalable focal-plane processor array 2007 ,		2
15	Elastic Grid Based Analysis of Motion Field for Object-Motion Detection in Airborne Video Flows 2007 ,		3
14	Topographic cellular active contour techniques: theory, implementations and comparisons. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 183-216	2	10
13	Digital implementation of cellular sensor-computers. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 409-428	2	22
12	Pixel-level snakes on the CNNUM: algorithm design, on-chip implementation and applications. <i>International Journal of Circuit Theory and Applications</i> , 2005 , 33, 17-51	2	24
11	Cellular Multi-adaptive Analogic Computing: Algorithms for UAV Applications 2004 ,		1
10	PDE-BASED HISTOGRAM MODIFICATION WITH EMBEDDED MORPHOLOGICAL PROCESSING OF THE LEVEL-SETS. <i>Journal of Circuits, Systems and Computers</i> , 2003 , 12, 519-538	0.9	2

9	ANALOGIC PREPROCESSING AND SEGMENTATION ALGORITHMS FOR OFFLINE HANDWRITING RECOGNITION. <i>Journal of Circuits, Systems and Computers</i> , 2003 , 12, 783-804	0.9	2
8	THE NEW FRAMEWORK OF APPLICATIONS: THE ALADDIN SYSTEM. <i>Journal of Circuits, Systems and Computers</i> , 2003 , 12, 769-781	0.9	12
7	Multichannel spatio-temporal topographic processing for visual search and navigation 2003 , 5119, 297		1
6	CNN architectures for constrained diffusion based locally adaptive image processing. <i>International Journal of Circuit Theory and Applications</i> , 2002 , 30, 313-348	2	15
5	The network behind spatio-temporal patterns: building low-complexity retinal models in CNN based on morphology, pharmacology and physiology. <i>International Journal of Circuit Theory and Applications</i> , 2001 , 29, 197-239	2	14
4	Computing with Front Propagation: Active Contour And Skeleton Models In Continuous-Time CNN. <i>Journal of Signal Processing Systems</i> , 1999 , 23, 373-402		44
3	A Nonlinear Wave Metric and its CNN Implementation for Object Classification. <i>Journal of Signal Processing Systems</i> , 1999 , 23, 437-447		9
2	CNN-based spatio-temporal nonlinear filtering and endocardial boundary detection in echocardiography. <i>International Journal of Circuit Theory and Applications</i> , 1999 , 27, 171-207	2	51
1	CNN-based difference-controlled adaptive non-linear image filters. <i>International Journal of Circuit Theory and Applications</i> , 1998 , 26, 375-423	2	42