

John Kalomiros

List of Publications by Year in descending order

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48
papers

588
citations

687363

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48
docs citations

48
times ranked

458
citing authors

#	ARTICLE	IF	CITATIONS
1	FPGA-based architecture of a real-time SIFT matcher and RANSAC algorithm for robotic vision applications. Multimedia Tools and Applications, 2018, 77, 9393-9415.	3.9	14
2	Implementation of a V/Æ' motor speed controller using a matrix converter and fuzzy asymmetrical PWM. , 2017, , .		0
3	FPGA accelerator for real-time SIFT matching with RANSAC support. Microprocessors and Microsystems, 2017, 49, 105-116.	2.8	22
4	Intelligent speed controller for single-phase induction motors using fuzzy APWM. , 2017, , .		3
5	A complete processor for SIFT feature matching in video sequences. , 2017, , .		2
6	A two-transistor non-ideal memristor emulator. , 2016, , .		12
7	Acceleration of RANSAC algorithm for images with affine transformation. , 2016, , .		8
8	Voltage control of single-phase induction motors using asymmetrical PWM and fuzzy logic. , 2016, , .		4
9	Fully pipelined FPGA-based architecture for real-time SIFT extraction. Microprocessors and Microsystems, 2016, 40, 53-73.	2.8	30
10	A Cartesian Genetic Programming Approach for evolving Optimal Digital Circuits. Journal of Engineering Science and Technology Review, 2016, 9, 88-92.	0.4	6
11	Intrinsic evolution of digital circuits based on a reconfigurable hyper-structure. , 2015, , .		1
12	An embedded fuzzy controller for the soft-starting of low-voltage induction motors. , 2015, , .		2
13	Hardware implementation of an optimized scale-invariant feature detector for robotic applications. , 2014, , .		0
14	Development of an odor-discriminating sensor-array for the Detection of the aroma of ascomycete tuber. , 2013, , .		2
15	Optimization of a Scale-Invariant Feature detector using scale-space scans. , 2013, , .		2
16	Dense disparity features for fast stereo vision. Journal of Electronic Imaging, 2012, 21, 043023.	0.9	5
17	Acceleration of Image Processing Algorithms Using Minimal Resources of Custom Reconfigurable Hardware. , 2012, , .		5
18	Robust 3D vision for robots using dynamic programming. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Design and hardware implementation of a stereo-matching system based on dynamic programming. <i>Microprocessors and Microsystems</i> , 2011, 35, 496-509.	2.8	10
20	Comparative Study of Local SAD and Dynamic Programming for Stereo Processing Using Dedicated Hardware. <i>Eurasip Journal on Advances in Signal Processing</i> , 2010, 2009, .	1.7	9
21	Robotic Mapping and Localization with Real-Time Dense Stereo on Reconfigurable Hardware. <i>International Journal of Reconfigurable Computing</i> , 2010, 2010, 1-17.	0.2	4
22	A Reconfigurable Architecture for Stereo-Assisted Detection of Point-Features for Robot Mapping. , 2009, , .		2
23	The nonlinear current behaviour of a driven R [∞] L-Varactor in the low frequency range. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 691-701.	1.7	3
24	Design and evaluation of a hardware/software FPGA-based system for fast image processing. <i>Microprocessors and Microsystems</i> , 2008, 32, 95-106.	2.8	53
25	Hardware implementation of a stereo co-processor in a medium-scale field programmable gate array. <i>IET Computers and Digital Techniques</i> , 2008, 2, 336.	1.2	12
26	A host co-processor FPGA-based Architecture for Fast Image Processing. , 2007, , .		7
27	Optimization of Al/a-SiC:H optical sensor device by means of thermal annealing. <i>Microelectronics Journal</i> , 2007, 38, 1196-1201.	2.0	4
28	Optimization of the electrical properties of Al/a-SiC:H Schottky diodes by means of thermal annealing of a-SiC:H thin films. <i>Microelectronics Journal</i> , 2006, 37, 1352-1357.	2.0	8
29	NK-edge x-ray-absorption study of heteroepitaxial GaN films. <i>Physical Review B</i> , 1997, 56, 13380-13386.	3.2	27
30	Surface and bulk effects in ex-situ hydrogenated $\hat{\pm}$ -SiC thin films. <i>Diamond and Related Materials</i> , 1997, 6, 1547-1549.	3.9	2
31	Optical properties of SnSe ₂ single crystals. <i>Materials Research Bulletin</i> , 1996, 31, 1407-1415.	5.2	17
32	Optical properties of thin Si ⁻ C films: Surface modification by ex-situ hydrogenation. <i>Solid State Communications</i> , 1996, 99, 29-33.	1.9	4
33	Optical and photoelectrical properties of the TlGa ₂ S ₂ ternary compound. <i>Solid State Communications</i> , 1996, 99, 375-379.	1.9	36
34	Hydrogen-Induced Passivation of Deep Traps in n-GaAs:Si Grown on LT-GaAs. <i>Materials Research Society Symposia Proceedings</i> , 1995, 378, 459.	0.1	2
35	Characterization of ex-situ hydrogenated amorphous SiC thin films by X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 1995, 90, 283-287.	6.1	11
36	Optical and photoelectric properties of TlGaSe ₂ layered crystals. <i>Solid State Communications</i> , 1995, 96, 601-607.	1.9	65

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37	Surface modification of a-SiC thin films with ex-situ hydrogenation. Solid State Communications, 1995, 96, 735-738.	1.9	9
38	Crisis-induced intermittency in a third-order electrical circuit. Physical Review E, 1995, 52, 2268-2273.	2.1	20
39	Optical properties of $\hat{I}\pm$ -SiC:H thin films grown by rf sputtering. Physical Review B, 1994, 49, 8191-8197.	3.2	15
40	Excitonic and other interband transitions in TlInS ₂ single crystals. Physical Review B, 1994, 50, 7488-7494.	3.2	50
41	Quasiperiodic and chaotic self-excited voltage oscillations in TlInTe ₂ . Physical Review B, 1994, 49, 16994-16998.	3.2	31
42	Nonlinear electrical conductivity of V ₂ O ₅ single crystals. Physical Review B, 1992, 45, 11627-11631.	3.2	17
43	Higher interband transitions in the uv region of GaSe. Physical Review B, 1991, 44, 8694-8701.	3.2	11
44	Temperature dependence of the energy gap and some electrical properties of Zn ₂ In ₂ S ₅ (II) single crystals. Semiconductor Science and Technology, 1989, 4, 536-542.	2.0	10
45	Determination of the optical constants n, k of Zn ₃ In ₂ S ₆ and Zn ₅ In ₂ S ₈ from transmission measurements. Physica Status Solidi A, 1988, 107, 633-637.	1.7	12
46	Electronic behavior of Ga ₂ /3PS ₃ single crystals. Physical Review B, 1988, 37, 4026-4031.	3.2	4
47	On the growth and characterization of the system TlBiSe ₂ â€“TlBiTe ₂ . Physica Status Solidi A, 1987, 101, 355-360.	1.7	5
48	Growth and some properties of Zn ₅ In ₂ S ₈ single crystal. Materials Research Bulletin, 1987, 22, 1307-1314.	5.2	8