John Kalomiros

List of Publications by Year
in descending order

		687363	677142
48 papers	588 citations	13 h-index	22 g-index
48 all docs	48 docs citations	48 times ranked	458 citing authors

#	Article	IF	Citations
1	Optical and photoelectric properties of TlGaSe2 layered crystals. Solid State Communications, 1995, 96, 601-607.	1.9	65
2	Design and evaluation of a hardware/software FPGA-based system for fast image processing. Microprocessors and Microsystems, 2008, 32, 95-106.	2.8	53
3	Excitonic and other interband transitions inTlInS2single crystals. Physical Review B, 1994, 50, 7488-7494.	3.2	50
4	Optical and photoelectrical properties of the TlGaS2 ternary compound. Solid State Communications, 1996, 99, 375-379.	1.9	36
5	Quasiperiodic and chaotic self-excited voltage oscillations inTlInTe2. Physical Review B, 1994, 49, 16994-16998.	3.2	31
6	Fully pipelined FPGA-based architecture for real-time SIFT extraction. Microprocessors and Microsystems, 2016, 40, 53-73.	2.8	30
7	NK-edge x-ray-absorption study of heteroepitaxial GaN films. Physical Review B, 1997, 56, 13380-13386.	3.2	27
8	FPGA accelerator for real-time SIFT matching with RANSAC support. Microprocessors and Microsystems, 2017, 49, 105-116.	2.8	22
9	Crisis-induced intermittency in a third-order electrical circuit. Physical Review E, 1995, 52, 2268-2273.	2.1	20
10	Nonlinear electrical conductivity ofV2O5single crystals. Physical Review B, 1992, 45, 11627-11631.	3.2	17
11	Optical properties of SnSe2 single crystals. Materials Research Bulletin, 1996, 31, 1407-1415.	5.2	17
12	Optical properties of α-SiC:H thin films grown by rf sputtering. Physical Review B, 1994, 49, 8191-8197.	3.2	15
13	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
14	Determination of the optical constantsn,k of Zn3In2S6 and Zn5In2S8 from transmission measurements. Physica Status Solidi A, 1988, 107, 633-637.	1.7	12
15	Hardware implementation of a stereo co-processor in a medium-scale field programmable gate array. IET Computers and Digital Techniques, 2008, 2, 336.	1.2	12
16	A two-transistor non-ideal memristor emulator. , 2016, , .		12
17	Higher interband transitions in the uv region of GaSe. Physical Review B, 1991, 44, 8694-8701.	3.2	11
18	Characterization of ex-situ hydrogenated amorphous SiC thin films by X-ray photoelectron spectroscopy. Applied Surface Science, 1995, 90, 283-287.	6.1	11

#	ARTICLE	IF	CITATIONS
19	Temperature dependence of the energy gap and some electrical properties of Zn2In2S5(II) single crystals. Semiconductor Science and Technology, 1989, 4, 536-542.	2.0	10
20	Design and hardware implementation of a stereo-matching system based on dynamic programming. Microprocessors and Microsystems, 2011, 35, 496-509.	2.8	10
21	Surface modification of a-SiC thin films with ex-situ hydrogenation. Solid State Communications, 1995, 96, 735-738.	1.9	9
22	Comparative Study of Local SAD and Dynamic Programming for Stereo Processing Using Dedicated Hardware. Eurasip Journal on Advances in Signal Processing, 2010, 2009, .	1.7	9
23	Growth and some properties of Zn5In2S8 single crystal. Materials Research Bulletin, 1987, 22, 1307-1314.	5.2	8
24	Optimization of the electrical properties of Al/a-SiC:H Schottky diodes by means of thermal annealing of a-SiC:H thin films. Microelectronics Journal, 2006, 37, 1352-1357.	2.0	8
25	Acceleration of RANSAC algorithm for images with affine transformation. , 2016, , .		8
26	A host co-processor FPGA-based Architecture for Fast Image Processing. , 2007, , .		7
27	A Cartesian Genetic Programming Approach for evolving Optimal Digital Circuits. Journal of Engineering Science and Technology Review, 2016, 9, 88-92.	0.4	6
28	On the growth and characterization of the system TlBiSe2–TlBiTe2. Physica Status Solidi A, 1987, 101, 355-360.	1.7	5
29	Dense disparity features for fast stereo vision. Journal of Electronic Imaging, 2012, 21, 043023.	0.9	5
30	Acceleration of Image Processing Algorithms Using Minimal Resources of Custom Reconfigurable Hardware. , 2012, , .		5
31	Electronic behavior ofGa2/3PS3single crystals. Physical Review B, 1988, 37, 4026-4031.	3.2	4
32	Optical properties of thin Siî—¸C films: Surface modification by ex-situ hydrogenation. Solid State Communications, 1996, 99, 29-33.	1.9	4
33	Optimization of Al/a-SiC:H optical sensor device by means of thermal annealing. Microelectronics Journal, 2007, 38, 1196-1201.	2.0	4
34	Robotic Mapping and Localization with Real-Time Dense Stereo on Reconfigurable Hardware. International Journal of Reconfigurable Computing, 2010, 2010, 1-17.	0.2	4
35	Voltage control of single-phase induction motors using asymmetrical PWM and fuzzy logic. , 2016, , .		4
36	The nonlinear current behaviour of a driven Râ€"L-Varactor in the low frequency range. Nonlinear Analysis: Real World Applications, 2009, 10, 691-701.	1.7	3

#	Article	IF	Citations
37	Intelligent speed controller for single-phase induction motors using fuzzy APWM. , 2017, , .		3
38	Hydrogen-Induced Passivation of Deep Traps in n-GaAs:Si Grown on LT-GaAs. Materials Research Society Symposia Proceedings, 1995, 378, 459.	0.1	2
39	Surface and bulk effects in ex-situ hydrogenated Î±-SiC thin films. Diamond and Related Materials, 1997, 6, 1547-1549.	3.9	2
40	A Reconfigurable Architecture for Stereo-Assisted Detection of Point-Features for Robot Mapping. , 2009, , .		2
41	Robust 3D vision for robots using dynamic programming. , 2011, , .		2
42	Development of an odor-discriminating sensor-array for the Detection of the aroma of ascomycete tuber. , 2013, , .		2
43	Optimization of a Scale-Invariant Feature detector using scale-space scans. , 2013, , .		2
44	An embedded fuzzy controller for the soft-starting of low-voltage induction motors. , 2015, , .		2
45	A complete processor for SIFT feature matching in video sequences. , 2017, , .		2
46	Intrinsic evolution of digital circuits based on a reconfigurable hyper-structure. , 2015, , .		1
47	Hardware implementation of an optimized scale-invariant feature detector for robotic applications. , 2014, , .		0
48	Implementation of a V/Æ' motor speed controller using a matrix converter and fuzzy asymmetrical PWM. , 2017, , .		0