

Vitor Silva

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

194
citations

1478505

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1199594

12
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58
all docs

58
docs citations

58
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Mission control of the MARIUS autonomous underwater vehicle: system design, implementation and sea trials. International Journal of Systems Science, 1998, 29, 1065-1080.	5.5	31
2	Acute vagal modulation of electrophysiology of the atrial and pulmonary veins increases vulnerability to atrial fibrillation. Experimental Physiology, 2011, 96, 125-133.	2.0	22
3	Optical signal processing for data error detection and correction using a-SiCH technology. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1393-1400.	0.8	19
4	SiC Multilayer Structures as Light Controlled Photonic Active Filters. Plasmonics, 2013, 8, 63-70.	3.4	12
5	Optoelectronic logic functions using optical bias controlled SiC multilayer devices. Materials Research Society Symposia Proceedings, 2013, 1536, 91-96.	0.1	11
6	Optical signal processing for indoor positioning using a-SiCH technology. Optical Engineering, 2016, 55, 107105.	1.0	10
7	Transmission of Signals Using White LEDs for VLC Applications ¹ . Materials Today: Proceedings, 2016, 3, 780-787.	1.8	7
8	Strategic level mission control - an evaluation of CORAL and PROLOG implementations for mission control specifications. , 0, , .		6
9	Viability of the use of an a-SiC:H multilayer device in a domestic VLC application. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1703-1706.	0.8	6
10	Design, development, and testing at sea of the mission control system for the MARIUS autonomous underwater vehicle. , 0, , .		5
11	Simple and Complex Logical Functions in a SiC Tandem Device. IFIP Advances in Information and Communication Technology, 2014, , 592-601.	0.7	5
12	SiC monolithically integrated wavelength selector with 4 channels. Materials Research Society Symposia Proceedings, 2013, 1536, 79-84.	0.1	4
13	Photodetector with integrated optical thin film filters. Journal of Physics: Conference Series, 2013, 421, 012011.	0.4	4
14	Logical functions in a tandem SiC device. Microelectronic Engineering, 2014, 126, 79-83.	2.4	4
15	Detection of FRET signals with a wavelength sensitive device based on a-SiC:H. Applied Surface Science, 2013, 275, 49-53.	6.1	3
16	AND, OR, NOT Logical Functions in a SiC Tandem Device. Procedia Technology, 2014, 17, 557-565.	1.1	3
17	Helminth extracts inhibit eosinophilic inflammation in a murine model of allergic rhinitis. Allergologia Et Immunopathologia, 2014, 42, 632-634.	1.7	3
18	Error control on spectral data of four-wave mixing based on a-SiC technology. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 181-186.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Transmission of Signals Using White LEDs for VLC Application. MRS Advances, 2016, 1, 3661-3666.	0.9	3
20	Novel device for implementation of WDM in the visible spectrum. Materials Research Society Symposia Proceedings, 2012, 1438, 55.	0.1	2
21	SiC multilayer photonic structures with self optical bias amplification. Materials Research Society Symposia Proceedings, 2012, 1426, 229-235.	0.1	2
22	Integrated photonic filters based on SiC multilayer structures. Applied Surface Science, 2013, 275, 185-192.	6.1	2
23	SiC pinpin photonic filters for linking the visible spectrum to the telecom gap. Microelectronic Engineering, 2014, 126, 179-183.	2.4	2
24	Tuning optical a-SiC/a-Si active filters by UV bias light in the visible and infrared spectral ranges. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1674-1677.	0.8	2
25	Logic functions based on optical bias controlled SiC tandem devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 211-216.	0.8	2
26	Indoor positioning using a-SiC:H technology. MRS Advances, 2016, 1, 3685-3690.	0.9	2
27	Optical signal processing for indoor positioning using a-SiC:H technology. , 2016, , .		2
28	First-year medical undergraduate students opinion about the use of radiology in gross anatomy course. Journal of Morphological Sciences, 2016, 33, 055-061.	0.2	2
29	Characterization of a monolithic device for detection of FRET signals. Materials Research Society Symposia Proceedings, 2012, 1426, 187-192.	0.1	1
30	Reconfigurable SiC Embedded Photonic Structures with Self Optical Bias Control. Plasmonics, 2013, 8, 45-51.	3.4	1
31	SiC multilayer add/drop filter for optical interconnects. Materials Research Society Symposia Proceedings, 2013, 1559, 1.	0.1	1
32	Home VLC using pinpin a-SiC:H multilayer devices. Materials Research Society Symposia Proceedings, 2014, 1693, 81.	0.1	1
33	Viability of the use of thin-film a-SiC:H photodiodes for protein identification. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 228-233.	0.8	1
34	Added transmission capacity in VLC systems using white RGB based LEDs and WDM devices. , 2016, , .		1
35	Five channel WDM communication using a single a-SiC-H double pin photo device. Applied Surface Science, 2016, 380, 318-325.	6.1	1
36	Photonic active filters based on SiC multilayer structures. Materials Research Society Symposia Proceedings, 2012, 1438, 35.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Light filtering devices using background wavelength processing techniques. Materials Research Society Symposia Proceedings, 2012, 1426, 175-180.	0.1	0
38	Optical Filter Design Using Background Wavelength Processing Techniques. Plasmonics, 2013, 8, 121-127.	3.4	0
39	Detection of Change in Fluorescence Between Reactive Cyan and the Yellow Fluorophores Using a-SiC:H Multilayer Transducers. Plasmonics, 2013, 8, 139-142.	3.4	0
40	Add/drop filters based on SiC technology for optical interconnects. IOP Conference Series: Materials Science and Engineering, 2014, 56, 012008.	0.6	0
41	Bridging the Visible Spectrum to Telecom Gap with SiC Nanophotonic Spectral Translation. Procedia Technology, 2014, 17, 310-318.	1.1	0
42	Increased sensitivity in a-SiC pinpin multilayers in the VIS-NIR range under UV light. Materials Research Society Symposia Proceedings, 2014, 1666, 71.	0.1	0
43	Near-UV background as a bridge between visible and infrared communication. Materials Research Society Symposia Proceedings, 2014, 1666, 65.	0.1	0
44	Integrated Visible optical filter and photodetector for detection of FRET signals. Materials Research Society Symposia Proceedings, 2014, 1689, 1.	0.1	0
45	Light memory function in a double pin SiC device. Microelectronic Engineering, 2015, 146, 99-104.	2.4	0
46	VIS/NIR wavelength selector based on a multilayer pi'n/pin a-SiC:H optical filter. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1387-1392.	0.8	0
47	Optical processor based on a-SiC technology for spectral data error control. Microelectronic Engineering, 2015, 146, 6-10.	2.4	0
48	A five channels SiC MUX/DEMUX device with channel separation in the visible range. Proceedings of SPIE, 2016, , .	0.8	0
49	Majority Logical Function Using a pi-™npin a-SiC:H Structure1. Materials Today: Proceedings, 2016, 3, 772-779.	1.8	0
50	Seven channel wavelength demultiplexer using a tandem a:SiC-H/a:Si-H photo sensor. , 2016, , .		0
51	Non-invasive ECG recording for zebrafish. , 2017, , .		0
52	Optoelectronic Logic Functions Based on Reconfigurable SiC Multilayer Devices. IFIP Advances in Information and Communication Technology, 2013, , 539-546.	0.7	0
53	Use of a-SiC:H Semiconductor-Based Transducer for Glucose Sensing through FRET Analysis. IFIP Advances in Information and Communication Technology, 2013, , 631-638.	0.7	0
54	Reconfigurable Photonic Logic Architecture: An Overview. IFIP Advances in Information and Communication Technology, 2017, , 447-462.	0.7	0