

# Stanislav Vitek

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

864  
citations

567281

15  
h-index

477307

29  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2219  
citing authors

#	ARTICLE	IF	CITATIONS
1	A SIMO Hybrid Visible-Light Communication System for Optical IoT. IEEE Internet of Things Journal, 2022, 9, 3548-3558.	8.7	11
2	Activity profile, mass distribution index, radiants, and orbits of the 2018 Draconid meteor shower outburst. Planetary and Space Science, 2020, 184, 104871.	1.7	8
3	Optical Camera Communications for IoT – Rolling-Shutter Based MIMO Scheme with Grouped LED Array Transmitter. Sensors, 2020, 20, 3361.	3.8	24
4	400nm rolling-shutter-based optical camera communications link. Optics Letters, 2020, 45, 1059.	3.3	27
5	Fast meteor tracking in noisy video sequences. Astronomische Nachrichten, 2019, 340, 646-651.	1.2	1
6	Optical camera communication system for Internet of Things based on organic light emitting diodes. Electronics Letters, 2019, 55, 334-336.	1.0	18
7	A Distributed Wireless Camera System for the Management of Parking Spaces. Sensors, 2018, 18, 69.	3.8	21
8	Real-Time Detection of Sporadic Meteors in the Intensified TV Imaging Systems. Sensors, 2018, 18, 77.	3.8	5
9	Analysis of nonline-of-sight visible light communications. Optical Engineering, 2017, 56, 1.	1.0	5
10	Set of Methodologies for Archive Film Digitization and Restoration with Examples of Their Application in ORWO Region. Archiving: Final Program and Proceedings IS & T's Archiving Conference, 2017, 14, 62-67.	0.2	1
11	Resolution analysis of archive films for the purpose of their optimal digitization and distribution. , 2017, , .		0
12	Radiometric calibration of wide-field camera system with an application in astronomy. , 2017, , .		0
13	Estimation of Poisson noise in spatial domain. , 2017, , .		0
14	Quality assessment of glass jewelry stones. , 2017, , .		0
15	Influence of Camera Setting on Vehicle-to-Vehicle VLC Employing Undersampled Phase Shift On-Off Keying. Radioengineering, 2017, 26, 946-953.	0.6	6
16	Long-Term Continuous Double Station Observation of Faint Meteor Showers. Sensors, 2016, 16, 1493.	3.8	6
17	A Decade of GRB Follow-Up by BOOTES in Spain (2003 – 2013). Advances in Astronomy, 2016, 2016, 1-12.	1.1	6
18	Realization of High Dynamic Range Imaging in the GLORIA Network and Its Effect on Astronomical Measurement. Advances in Astronomy, 2016, 2016, 1-12.	1.1	0

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19	Evaluation of color grading impact in restoration process of archive films. , 2016, , .		0
20	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	8.3	210
21	SUPPLEMENT: "LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914" (2016, ApJL, 826, L13). Astrophysical Journal, Supplement Series, 2016, 225, 8.	7.7	44
22	Application of field dependent polynomial model. Proceedings of SPIE, 2016, , .	0.8	0
23	GPU accelerated processing of astronomical high frame-rate videosequences. Proceedings of SPIE, 2015, , .	0.8	1
24	Performance evaluation of image deconvolution techniques in space-variant astronomical imaging systems with nonlinearities. , 2015, , .		0
25	Open source database of images DEIMOS: extension for large-scale subjective image quality assessment. , 2014, , .		0
26	Video compression technique impact on efficiency of person identification in CCTV systems. , 2014, , .		3
27	Segmentation of astronomical images. , 2014, , .		0
28	Estimation and measurement of space-variant features of imaging systems and influence of this knowledge on accuracy of astronomical measurement. , 2014, , .		2
29	GRBS Followed-up by the bootes network. EAS Publications Series, 2013, 61, 251-254.	0.3	0
30	Influence of HEVC compression on event detection in security video sequences. , 2013, , .		1
31	Analysis of images obtained from space-variant astronomical imaging systems. Proceedings of SPIE, 2013, , .	0.8	2
32	Estimation of non-Gaussian noise parameters in the wavelet domain using the moment-generating function. Journal of Electronic Imaging, 2012, 21, 023025.	0.9	8
33	Comparison of stereoscopic technologies in various configurations. Proceedings of SPIE, 2012, , .	0.8	0
34	Cost-effective automatic stereoscopic security video system 3DSec. , 2012, , .		0
35	Modeling and evaluation of image quality in wireless surveillance networks. , 2012, , .		1
36	Meteor automatic imager and analyzer: current status and preprocessing of image data. , 2011, , .		2

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37	Wavelet transform for processing of video from MAIA system. , 2011, , .		0
38	Open source database of images DEIMOS: high dynamic range and stereoscopic content. Proceedings of SPIE, 2011, , .	0.8	0
39	Automatic Video System for Continues Monitoring of the Meteor Activity. Earth, Moon and Planets, 2011, 108, 69-76.	0.6	20
40	Analysis and suppression of noise in astronomical video. , 2011, , .		1
41	Four Years of Real-Time GRB Followup by BOOTES-1B (2005â€“2008). Advances in Astronomy, 2010, 2010, 1-10.	1.1	12
42	Double-Station Automatic Video Observation of the Meteors. Advances in Astronomy, 2010, 2010, 1-4.	1.1	5
43	Meteor automatic imager and analyzer: system design and its parameters. Proceedings of SPIE, 2010, , .	0.8	5
44	Meteor automatic imager and analyzer: analysis of noise characteristics and possible noise suppression. , 2010, , .		2
45	SWIFT J195509+261406: Dramatic Flaring Activity from a New Galactic Magnetar. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 399-400.	0.3	0
46	Observations of a very bright fireball and its likely link with comet C/1919 Q2 Metcalf. Monthly Notices of the Royal Astronomical Society, 2009, 394, 569-576.	4.4	30
47	Determination of Meteoroid Orbits and Spatial Fluxes by Using High-Resolution All-Sky CCD Cameras. Earth, Moon and Planets, 2008, 102, 231-240.	0.6	24
48	Flares from a candidate Galactic magnetar suggest a missing link to dim isolated neutron stars. Nature, 2008, 455, 506-509.	27.8	39
49	GRB 070610: Flares from a peculiar Galactic source. AIP Conference Proceedings, 2008, , .	0.4	0
50	The RTS2 protocol. Proceedings of SPIE, 2008, , .	0.8	7
51	Installation and first light of the BOOTES-IR near-IR camera. , 2008, , .		0
52	A very sensitive all-sky CCD camera for continuous recording of the night sky. Proceedings of SPIE, 2008, , .	0.8	3
53	The WEBT Campaign on the Blazar 3C 279 in 2006. Astrophysical Journal, 2007, 670, 968-977.	4.5	66
54	Asteroid 2002NY40 as a source of meteorite-dropping bolides. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1933-1939.	4.4	37

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55	The bright optical flash from GRB 060117. <i>Astronomy and Astrophysics</i> , 2006, 454, L119-L122.	5.1	27
56	RTS2: a powerful robotic observatory manager. , 2006, 6274, 562.		10
57	<title>Analysis of telescope performance: MTF approach</title>. , 2006, 6180, 443.		0
58	A photometric redshift of $z = 6.39 \pm 0.12$ for GRB 050904. <i>Nature</i> , 2006, 440, 181-183.	27.8	111
59	GRB follow-up with BOOTES Optical Chapter 5: The Swift Era. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
60	BOOTES-IR: a robotic nIR astronomical observatory devoted to follow-up of transient phenomena. , 2006, , .		1
61	BOOTES-IR: The extension of BOOTES towards the near-IR. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
62	<title>Measurement and analysis of image sensors</title>. , 2005, , .		0
63	GRB 050509b: the elusive optical/nIR/mm afterglow of a short-duration GRB. <i>Astronomy and Astrophysics</i> , 2005, 439, L15-L18.	5.1	42
64	Image quality influenced by selected image-sensor parameters. , 2003, 5036, 14.		2
65	Influence of lossy compression techniques on processing precision of astronomical images. , 0, , .		3