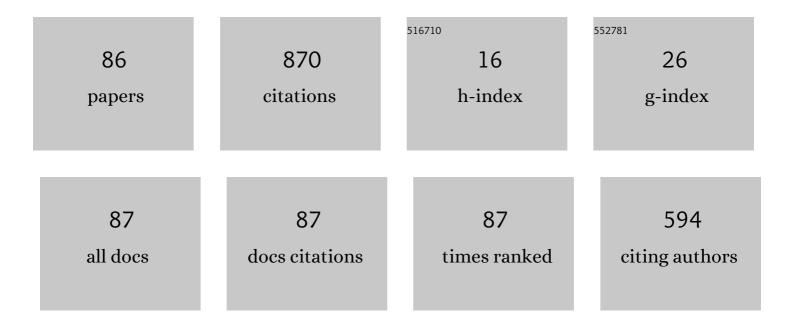
List of Publications by Year in descending order

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Рин ю Вюси

#	Article	IF	CITATIONS
1	Long-distance Bessel beam propagation through Kolmogorov turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2066.	1.5	69
2	A novel high-accuracy microstereolithography method employing an adaptive electro-optic mask. Journal of Materials Processing Technology, 2000, 107, 167-172.	6.3	60
3	A real-time closed-loop liquid crystal adaptive optics system: first results. Optics Communications, 1997, 137, 17-21.	2.1	51
4	Adaptive Neuro-Fuzzy Technique for Autonomous Ground Vehicle Navigation. Robotics, 2014, 3, 349-370.	3.5	43
5	UV microstereolithography system that uses spatial light modulator technology. Applied Optics, 1998, 37, 7514.	2.1	39
6	Fully complex optical modulation with an analogue ferroelectric liquid crystal spatial light modulator. Optics Communications, 2000, 175, 347-352.	2.1	39
7	Microfabrication by use of a spatial light modulator in the ultraviolet:?experimental results. Optics Letters, 1999, 24, 549.	3.3	38
8	Path tracking of autonomous ground vehicle based on fractional order PID controller optimized by PSO. , 2015, , .		33
9	Two-pixel computer-generated hologram with a zero-twist nematic liquid-crystal spatial light modulator. Optics Letters, 2000, 25, 1013.	3.3	32
10	Approximate bandpass and frequency response models of the difference of Gaussian filter. Optics Communications, 2010, 283, 4942-4948.	2.1	30
11	Binary adaptive optics: atmospheric wave-front correction with a half-wave phase shifter. Applied Optics, 1995, 34, 6058.	2.1	26
12	Dynamic complex wave-front modulation with an analog spatial light modulator. Optics Letters, 2001, 26, 920.	3.3	26
13	Real-time optical aberration correction with a ferroelectric liquid-crystal spatial light modulator. Applied Optics, 1998, 37, 2164.	2.1	23
14	Design of Fractional-Order Controller for Trajectory Tracking Control of a Non-holonomic Autonomous Ground Vehicle. Journal of Control, Automation and Electrical Systems, 2016, 27, 29-42.	2.0	23
15	Illumination invariant stationary object detection. IET Computer Vision, 2013, 7, 1-8.	2.0	19
16	Motion control design for unmanned ground vehicle in dynamic environment using intelligent controller. International Journal of Intelligent Computing and Cybernetics, 2017, 10, 530-548.	2.7	19
17	Characterisation of Epoxy Resins for Microstereolithographic Rapid Prototyping. International Journal of Advanced Manufacturing Technology, 1999, 15, 281-286.	3.0	18
18	Optical and electronic design of a hybrid digital-optical correlator system. Optical Engineering, 2002, 41, 32.	1.0	18

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19	A comparison of the iterative Fourier transform method and evolutionary algorithms for the design of diffractive optical elements. Optics and Lasers in Engineering, 2000, 33, 439-448.	3.8	16
20	Transportation mode recognition fusing wearable motion, sound and vision sensors. IEEE Sensors Journal, 2020, , 1-1.	4.7	16
21	Automated vehicle occupancy monitoring. Optical Engineering, 2004, 43, 1828.	1.0	15
22	An adaptive sample count particle filter. Computer Vision and Image Understanding, 2012, 116, 1208-1222.	4.7	14
23	Real-time occlusion tolerant detection of illegally parked vehicles. International Journal of Control, Automation and Systems, 2012, 10, 972-981.	2.7	12
24	Experimental implementation of a Wiener filter in a hybrid digital–optical correlator. Optics Letters, 2001, 26, 494.	3.3	11
25	Optical design of a miniature Fourier transform lens system for a hybrid digital-optical correlator. Optical Engineering, 2002, 41, 1650.	1.0	11
26	Computer-generated complex filter for an all-optical and a digital-optical hybrid correlator. Optical Engineering, 2002, 41, 105.	1.0	10
27	Object recognition within cluttered scenes employing a hybrid optical neural network filter. Optical Engineering, 2004, 43, 1839.	1.0	10
28	Depth from structured defocus that is independent of the object reflectivity function. Optics Letters, 2011, 36, 2194.	3.3	10
29	Real-time unmanned aerial vehicle tracking of fast moving small target on ground. Journal of Electronic Imaging, 2018, 27, 1.	0.9	10
30	Modelling the control of African Armyworm (Spodoptera exempta) infestations in cereal crops by deploying naturally beneficial insects. Biosystems Engineering, 2015, 129, 268-276.	4.3	9
31	Human and Machine Recognition of Transportation Modes from Body-Worn Camera Images. , 2019, , .		9
32	Levenberg-Marquardt optimised neural networks for trajectory tracking of autonomous ground vehicles. International Journal of Mechatronics and Automation, 2015, 5, 140.	0.2	7
33	Hierarchical video surveillance architecture: a chassis for video big data analytics and exploration. Proceedings of SPIE, 2015, , .	0.8	7
34	Synthesis and reconstruction of computer generated holograms by a double pass technique on a twisted nematic-based liquid crystal spatial light modulator. Optics and Lasers in Engineering, 2007, 45, 413-418.	3.8	6
35	Performance assessment of the modified-hybrid optical neural network filter. Applied Optics, 2008, 47, 3378.	2.1	6
36	Numerical simulation of a CW-pumped Cr:YAG passively Q-switched Yb:YAG pulsed laser. Optics and Lasers in Engineering, 2009, 47, 617-621.	3.8	6

PHILIP BIRCH

#	Article	IF	CITATIONS
37	<title>Hardware implementation details of a hybrid digital/optical correlator system</title> . , 2000, 4043, 25.		5
38	A nonlinear training set superposition filter derived by neural network training methods for implementation in a shift-invariant optical correlator. , 2003, 5106, 84.		5
39	Enhanced target recognition employing spatial correlation filters and affine scale invariant feature transform. , 2019, , .		5
40	Real-time adaptive optics correction with a ferroelectric liquid crystal spatial light modulator and Shack-Hartmann wavefront sensor. , 1997, 3126, 185.		4
41	Illumination invariant method to detect and track left luggage in public areas. , 2010, , .		4
42	Comparison of spatial domain optimal trade-off maximum average correlation height (OT-MACH) filter with scale invariant feature transform (SIFT) using images with poor contrast and large illumination gradient. , 2015, , .		4
43	No-reference image quality assessment based on AdaBoost BP neural network in wavelet domain. Journal of Systems Engineering and Electronics, 2019, 30, 223.	2.2	4
44	Real-time digital–optical correlator-systems design. Microprocessors and Microsystems, 1999, 23, 501-511.	2.8	3
45	Alternative Space Vehicle Launch Systems. , 2008, , .		3
46	On a method to eliminate moving shadows in video sequences. Proceedings of SPIE, 2008, , .	0.8	3
47	An optical space domain volume holographic correlator. Proceedings of SPIE, 2009, , .	0.8	3
48	A space variant maximum average correlation height (MACH) filter for object recognition in real time thermal images for security applications. Proceedings of SPIE, 2010, , .	0.8	3
49	Automatic parameter adjustment of difference of Gaussian (DoG) filter to improve OT-MACH filter performance for target recognition applications. , 2011, , .		3
50	Coherent optical implementations of the fast Fourier transform and their comparison to the optical implementation of the quantum Fourier transform. Proceedings of SPIE, 2013, , .	0.8	3
51	Performance analysis of a modified moving shadow elimination method developed for indoor scene activity tracking. Proceedings of SPIE, 2008, , .	0.8	2
52	Implementation of the Maximum Average Correlation Height (MACH) filter in the spatial domain for object recognition from clutter backgrounds. , 2010, , .		2
53	Parameter optimization of the optimal trade-off maximum average correlation height filter (OT-MACH) for FLIR imaging in high clutter environments. Proceedings of SPIE, 2011, , .	0.8	2
54	Tracking illegally parked vehicles using correlation of multi-scale difference of Gaussian filtered patches. , 2011, , .		2

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55	An improved background segmentation method for ghost removals. , 2013, , .		2
56	A wide field fluorescence lifetime imaging system using a light sheet microscope. Proceedings of SPIE, 2016, , .	0.8	2
57	Multiple-view polarimetric camera. Applied Optics, 2018, 57, 6329.	1.8	2
58	Benchmarking deep classifiers on mobile devices for vision-based transportation recognition. , 2019, , .		2
59	<title>Optical correlator with fully complex liquid crystal filter</title> ., 2000, , .		1
60	Low cost propulsion systems for the developing world. , 2009, , .		1
61	Advanced MagLev Propulsion System and Its Economic Impact. , 2009, , .		1
62	Volume holographic MACH correlator. Proceedings of SPIE, 2010, , .	0.8	1
63	Object tracking in a multi camera environment. , 2011, , .		1
64	A global space policy that would revive space exploration. , 2011, , .		1
65	Enhancement of the speed of space-variant correlation filter implementations by using low-pass pre-filtering for kernel placement and applications to real-time security monitoring. Proceedings of SPIE, 2011, , .	0.8	1
66	Obstacle detection system based on colour segmentation using monocular vision for an unmanned ground vehicle. International Journal of Computational Vision and Robotics, 2018, 8, 241.	0.3	1
67	Wireless charging pad detection and alignment using a fisheye camera for electric vehicles. , 2019, , .		1
68	<title>Fully complex filter implementation in all-optical and hybrid digital/optical correlators</title> ., 2001, , .		0
69	<title>Incoherent correlator system for satellite orientation control</title> . , 2002, , .		Ο
70	High-accuracy surface position sensor based on a two-lens system. Optics and Lasers in Engineering, 2004, 41, 919-926.	3.8	0
71	Image watermarking extraction using Fourier domain Wiener filter. Proceedings of SPIE, 2008, , .	0.8	0

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73	An implementation and performance evaluation of a space variant OT-MACH filter for a security detection application using FLIR sensor. , 2010, , .		0
74	Robust human intrusion detection technique using hue-saturation histograms. , 2011, , .		0
75	Door surveillance using edge map-based Harris corner detector and active contour orientation. , 2011, , ,		0
76	Application of speed-enhanced spatial domain correlation filters for real-time security monitoring. Proceedings of SPIE, 2011, , .	0.8	0
77	Intensity invariant complex encoded color correlation. Applied Optics, 2012, 51, 6307.	1.8	0
78	Improving OT-MACH filter performance for target recognition applications with the use of a Rayleigh distribution filter. , 2012, , .		0
79	Human detection using OT-MACH filter in cluttered FLIR imagery. , 2013, , .		0
80	PHACT: Parallel HOG and Correlation Tracking. , 2014, , .		0
81	Considerations for the extension of coherent optical processors into the quantum computing regime. Proceedings of SPIE, 2016, , .	0.8	0
82	Segmentation of moving objects from cluttered background scenes using a running average model. , 2005, , .		0
83	LIQUID CRYSTAL ACTIVE OPTICS CORRECTION USING EVOLUTIONARY ALGORITHMS. , 1999, , .		0
84	A simplification of the Shor quantum factorization algorithm employing a quantum Hadamard transform. , 2018, , .		0
85	Low-cost polarimetric imaging for surveillance. , 2018, , .		0
86	ASIFT based recognition of fixed shape moving objects and tracking via modified particle filters. , 2018,		0