Andrey S Alenin

List of Publications by Year
in descending order

35 papers	**338** citations	1040056 **9** h-index	888059 **17** g-index
35 all docs	**35** docs citations	**35** times ranked	**178** citing authors

#	Article	IF	Citations
1	User Study Comparing Linearity and Orthogonalization for Polarimetric Visualizations. IEEE Access, 2022, 10, 28308-28321.	4.2	0
2	Nonseparable modulation strategy for channeled spatiotemporal Stokes polarimeters. Applied Optics, 2021, 60, 735.	1.8	2
3	Transcending conventional snapshot polarimeter performance via neuromorphically adaptive filters. Optics Express, 2021, 29, 17758.	3.4	8
4	Structured and unstructured modulation and reconstruction of DoFP image data. , 2021, , .		0
5	Spectral–temporal channeled spectropolarimetry using deep-learning-based adaptive filtering. Optics Letters, 2021, 46, 4394.	3.3	7
6	A Satellite-Based Remote-Sensing Framework to Quantify the Upwelling Radiation Due to Tropical Cyclones. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5488-5500.	4.9	2
7	Spectral–temporal hybrid modulation for channeled spectropolarimetry. Applied Optics, 2020, 59, 9359.	1.8	10
8	Structured decomposition of a multi-snapshot nine-reconstructables Mueller matrix polarimeter. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 890.	1.5	5
9	Non-separable modulation for channeled spatio-temporal Stokes polarimeters. , 2020, , .		0
10	Review of visualization methods for passive polarization imaging. Optical Engineering, 2019, 58, 1.	1.0	16
11	Imaging dynamic scenes with a spatio-temporally channeled polarimeter. Optics Express, 2019, 27, 28423.	3.4	14
12	Improving performance of PEM-based partial Mueller matrix polarimeters. , 2019, , .		2
13	Channeled spatio–temporal Stokes polarimeters. Optics Letters, 2018, 43, 2768.	3.3	19
14	Optimal bandwidth and systematic error of full-Stokes micropolarizer arrays. Applied Optics, 2018, 57, 2327.	1.8	23
15	Perceptually uniform color space for visualizing trivariate linear polarization imaging data. Optics Letters, 2018, 43, 2426.	3.3	10
16	Overview of visualization strategies for polarimetric imaging data. , 2018, , .		2
17	Channel-first design of modulated polarimeters. , 2018, , .		2
18	Multi-carrier channeled polarimetry for photoelastic modulator systems. Optics Letters, 2018, 43, 5789.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Focal plane filter array engineering I: rectangular lattices. Optics Express, 2017, 25, 11954.	3.4	17
20	Optimal bandwidth micropolarizer arrays. Optics Letters, 2017, 42, 458.	3.3	32
21	A fast Stokes polarimeter: preliminary design. , 2017, , .		2
22	Polarization-color mapping strategies: catching up with color theory. , 2017, , .		1
23	A nine-channeled partial Mueller matrix polarimeter. , 2017, , .		1
24	Estimation of errors in partial Mueller matrix polarimeter calibration. Proceedings of SPIE, 2016, , .	0.8	0
25	Bounds on the microanalyzer array assumption. , 2016, , .		2
26	Design of channeled partial Mueller matrix polarimeters. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1060.	1.5	6
27	Adapting the HSV polarization-color mapping for regions with low irradiance and high polarization. Optics Letters, 2016, 41, 4759.	3.3	31
28	Bandwidth and information in the design and analysis of polarimeters. , 2015, , .		2
29	A multi-domain full-Stokes polarization modulator that is efficient for 300-2500nm spectropolarimetry. Proceedings of SPIE, 2015, , .	0.8	6
30	Channeled partial Mueller matrix polarimetry. Proceedings of SPIE, 2015, , .	0.8	2
31	Structured decomposition design of partial Mueller matrix polarimeters. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 1302.	1.5	21
32	Generalized channeled polarimetry. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 1013.	1.5	63
33	SWIR active polarization imaging for material identification. , 2013, , .		9
34	Task-specific snapshot Mueller matrix channeled spectropolarimeter optimization. Proceedings of SPIE, 2012, , .	0.8	8
35	Hyperspectral measurement of the scattering of polarized light by skin. Proceedings of SPIE, 2011, , .	0.8	6