

# Andrey S Alenin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2529255/publications.pdf>

Version: 2024-02-01

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	Generalized channeled polarimetry. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2014, 31, 1013.	1.5	63
2	Optimal bandwidth micropolarizer arrays. <i>Optics Letters</i> , 2017, 42, 458.	3.3	32
3	Adapting the HSV polarization-color mapping for regions with low irradiance and high polarization. <i>Optics Letters</i> , 2016, 41, 4759.	3.3	31
4	Optimal bandwidth and systematic error of full-Stokes micropolarizer arrays. <i>Applied Optics</i> , 2018, 57, 2327.	1.8	23
5	Structured decomposition design of partial Mueller matrix polarimeters. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 1302.	1.5	21
6	Channeled spatio-temporal Stokes polarimeters. <i>Optics Letters</i> , 2018, 43, 2768.	3.3	19
7	Focal plane filter array engineering I: rectangular lattices. <i>Optics Express</i> , 2017, 25, 11954.	3.4	17
8	Review of visualization methods for passive polarization imaging. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	16
9	Imaging dynamic scenes with a spatio-temporally channeled polarimeter. <i>Optics Express</i> , 2019, 27, 28423.	3.4	14
10	Perceptually uniform color space for visualizing trivariate linear polarization imaging data. <i>Optics Letters</i> , 2018, 43, 2426.	3.3	10
11	Spectral-temporal hybrid modulation for channeled spectropolarimetry. <i>Applied Optics</i> , 2020, 59, 9359.	1.8	10
12	SWIR active polarization imaging for material identification. , 2013, , .		9
13	Task-specific snapshot Mueller matrix channeled spectropolarimeter optimization. <i>Proceedings of SPIE</i> , 2012, , .	0.8	8
14	Transcending conventional snapshot polarimeter performance via neuromorphically adaptive filters. <i>Optics Express</i> , 2021, 29, 17758.	3.4	8
15	Spectral-temporal channeled spectropolarimetry using deep-learning-based adaptive filtering. <i>Optics Letters</i> , 2021, 46, 4394.	3.3	7
16	Multi-carrier channeled polarimetry for photoelastic modulator systems. <i>Optics Letters</i> , 2018, 43, 5789.	3.3	7
17	Hyperspectral measurement of the scattering of polarized light by skin. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
18	A multi-domain full-Stokes polarization modulator that is efficient for 300-2500nm spectropolarimetry. <i>Proceedings of SPIE</i> , 2015, , .	0.8	6

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Bandwidth and information in the design and analysis of polarimeters. , 2015, , .		2
22	Channeled partial Mueller matrix polarimetry. Proceedings of SPIE, 2015, , .	0.8	2
23	Bounds on the microanalyzer array assumption. , 2016, , .		2
24	Nonseparable modulation strategy for channeled spatiotemporal Stokes polarimeters. Applied Optics, 2021, 60, 735.	1.8	2
25	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
26	A fast Stokes polarimeter: preliminary design. , 2017, , .		2
27	Overview of visualization strategies for polarimetric imaging data. , 2018, , .		2
28	Channel-first design of modulated polarimeters. , 2018, , .		2
29	Improving performance of PEM-based partial Mueller matrix polarimeters. , 2019, , .		2
30	Polarization-color mapping strategies: catching up with color theory. , 2017, , .		1
31	A nine-channeled partial Mueller matrix polarimeter. , 2017, , .		1
32	Estimation of errors in partial Mueller matrix polarimeter calibration. Proceedings of SPIE, 2016, , .	0.8	0
33	Structured and unstructured modulation and reconstruction of DoFP image data. , 2021, , .		0
34	Non-separable modulation for channeled spatio-temporal Stokes polarimeters. , 2020, , .		0
35	User Study Comparing Linearity and Orthogonalization for Polarimetric Visualizations. IEEE Access, 2022, 10, 28308-28321.	4.2	0