

Agnieszka Siemion

List of Publications by Year in descending order

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papers

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623734

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62
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62
docs citations

62
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Color image projection based on Fourier holograms. Optics Letters, 2010, 35, 1227.	3.3	68
2	Experimental evaluation of a full-color compact lensless holographic display. Optics Express, 2009, 17, 20840.	3.4	60
3	Diffractive paper lens for terahertz optics. Optics Letters, 2012, 37, 4320.	3.3	49
4	Terahertz Diffractive Optics—Smart Control over Radiation. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 477-499.	2.2	46
5	3-D-Printed Flat Optics for THz Linear Scanners. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 314-316.	3.1	41
6	Efficient image projection by Fourier electroholography. Optics Letters, 2011, 36, 3018.	3.3	29
7	Highly efficient broadband double-sided Fresnel lens for THz range. Optics Letters, 2012, 37, 2214.	3.3	29
8	The Magic of Optics—An Overview of Recent Advanced Terahertz Diffractive Optical Elements. Sensors, 2021, 21, 100.	3.8	28
9	Complex light modulation for lensless image projection. Chinese Optics Letters, 2011, 9, 120008-120010.	2.9	26
10	Off-axis metallic diffractive lens for terahertz beams. Optics Letters, 2011, 36, 1960.	3.3	25
11	Diffuserless holographic projection working on twin spatial light modulators. Optics Letters, 2012, 37, 5064.	3.3	25
12	Terahertz Shielding Properties of Carbon Black Based Polymer Nanocomposites. Materials, 2021, 14, 835.	2.9	22
13	High order kinoforms as a broadband achromatic diffractive optics for terahertz beams. Optics Express, 2014, 22, 3137.	3.4	21
14	THz Beam Shaping Based on Paper Diffractive Optics. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 568-575.	3.1	15
15	Spatial filtering based terahertz imaging of low absorbing objects. Optics and Lasers in Engineering, 2021, 139, 106476.	3.8	12
16	Frequency Division Multiplexing of Terahertz Waves Realized by Diffractive Optical Elements. Applied Sciences (Switzerland), 2021, 11, 6246.	2.5	12
17	One-exposure phase-shifting digital holography based on the self-imaging effect. Optical Engineering, 2010, 49, 055802.	1.0	11
18	THz Beam Shaper Realizing Fan-Out Patterns. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1019-1030.	2.2	11

#	ARTICLE	IF	CITATIONS
19	On stress " strain responses and photoinduced properties of some azo polymers. <i>Polymer</i> , 2018, 140, 117-121.	3.8	11
20	Terahertz time domain spectroscopy of graphene and <sc>MXene</sc> polymer composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49962.	2.6	10
21	Geometrical Aberration Suppression for Large Aperture Sub-THz Lenses. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 347-355.	2.2	8
22	Titanium-Based Microbolometers: Control of Spatial Profile of Terahertz Emission in Weak Power Sources. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3400.	2.5	8
23	Three-focal-spot terahertz diffractive optical element-iterative design and neural network approach. <i>Optics Express</i> , 2021, 29, 11243.	3.4	8
24	Prism-Like Behavior at Terahertz Frequencies of a 2D Metallic Grid with a Varying Periodicity. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2011, 32, 403-406.	2.2	7
25	Terahertz vision using field effect transistors detectors arrays. , 2018, , .		7
26	UVA Sensor Based on Highly Birefringent Fiber Covered With Graphene Oxide. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 845-848.	2.5	6
27	Terahertz diffractive structures for compact in-reflection inspection setup. <i>Optics Express</i> , 2020, 28, 715.	3.4	6
28	The Role of the Directivity of Various THz Detectors in Multiplexing Systems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3545.	2.5	5
29	Paper on Designing Costless THz Paper Optics. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-13.	1.8	4
30	Terahertz imaging with GaAs and GaN plasma field effect transistors detectors. , 2016, , .		4
31	Sub-Terahertz Computer Generated Hologram with Two Image Planes. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 659.	2.5	4
32	Enhanced Sub-wavelength Focusing by Double-Sided Lens with Phase Correction in THz Range. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020, 41, 685-696.	2.2	3
33	Terahertz diffractive optics: different way of thinking. , 2020, , .		3
34	Optimization of THz diffractive optical elements thickness. <i>Photonics Letters of Poland</i> , 2018, 10, 115.	0.4	3
35	Computational proximity lithography with extreme ultraviolet radiation. <i>Optics Express</i> , 2020, 28, 27000.	3.4	3
36	THz diffractive lens manufactured using 3D printer working for 0.6 THz. , 2020, , .		3

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37	Modelling of the space invariant optical systems with a spatially incoherent illumination. Proceedings of SPIE, 2010, , .	0.8	2
38	Utilization of an LCoS spatial light modulator's phase flicker for improving diffractive efficiency. , 2010, , .		2
39	Off-Axis Diffractive Optics for Compact Terahertz Detection Setup. Applied Sciences (Switzerland), 2020, 10, 8594.	2.5	2
40	Paraffin Diffractive Lens for Subterahertz Range – Simple and Cost Efficient Solution. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 396-401.	3.1	2
41	Terahertz digital holography: Two- and four-step phase shifting technique in two plane image recording. AIP Advances, 2021, 11, 105212.	1.3	2
42	THz diffractive focusing structures for broadband application. Photonics Letters of Poland, 2018, 10, 76.	0.4	2
43	Neural-network based approach to optimize THz computer generated holograms. Photonics Letters of Poland, 2021, 13, 88.	0.4	2
44	Angle-dependent encoding of multiple asymmetric symbols in a binary phase hologram with a spatial segmentation. Applied Optics, 2009, 48, 270.	2.1	1
45	Holographic color projection with additional phase factor to suppress zero diffractive order. Proceedings of SPIE, 2010, , .	0.8	1
46	Large aperture diffractive lenses for the THz domain. , 2011, , .		1
47	Uniform illumination by diffractive shaping of independent light beams. Opto-electronics Review, 2011, 19, .	2.4	1
48	Diffractive Focusing Structures for Broadband Application in thz Range. , 2018, , .		1
49	Digital holography with self-imaging by a two-step phase element. Photonics Letters of Poland, 2010, 2, .	0.4	1
50	The Time Domain Spectroscopygoniometric setup characterization by the utilization of the plastic diffraction grating. Photonics Letters of Poland, 2012, 4, .	0.4	1
51	3D imaging with the light sword optical element and deconvolution of distance-dependent point spread functions. Proceedings of SPIE, 2010, , .	0.8	0
52	Speckless head-up display on two spatial light modulators. Proceedings of SPIE, 2010, , .	0.8	0
53	The image quality and resolution limits of phase-shifting digital holography based on the self-imaging effect. Proceedings of SPIE, 2010, , .	0.8	0
54	Research on properties of an infrared imaging diffractive element. Proceedings of SPIE, 2014, , .	0.8	0

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55	Research on chromatic properties of high order kinoform. Proceedings of SPIE, 2014, , .	0.8	0
56	Color translucent head-up display based on a segmented Fourier hologram. Photonics Letters of Poland, 2009, 1, .	0.4	0
57	Utilization of the phase flicker of a LCoS Spatial Light Modulator for improved diffractive efficiency. Photonics Letters of Poland, 2010, 2, .	0.4	0
58	Real-Time Lensless Image Projection by Electroholography with Amplitude-Phase Modulation. , 2011, , .		0
59	Efficiency of THz Paper Optical Elements Depending on their Type and Manufacturing Techniques.. , 2015, , .		0
60	Differential digital holography of distant objects with the use of fiber optics. , 2018, , .		0
61	Study of thin, achromatic diffractive structures to focus terahertz radiation on a detector. Optica Applicata, 2020, 50, .	0.2	0
62	Chocolate Terahertz Fresnel Lens. Photonics Letters of Poland, 2020, 12, 103.	0.4	0