

Agnieszka Siemion

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of the Directivity of Various THz Detectors in Multiplexing Systems. Applied Sciences (Switzerland), 2022, 12, 3545.	2.5	5
2	Terahertz time domain spectroscopy of graphene and <sc>MXene</sc> polymer composites. Journal of Applied Polymer Science, 2021, 138, 49962.	2.6	10
3	Spatial filtering based terahertz imaging of low absorbing objects. Optics and Lasers in Engineering, 2021, 139, 106476.	3.8	12
4	Terahertz Shielding Properties of Carbon Black Based Polymer Nanocomposites. Materials, 2021, 14, 835.	2.9	22
5	Three-focal-spot terahertz diffractive optical element-iterative design and neural network approach. Optics Express, 2021, 29, 11243.	3.4	8
6	Frequency Division Multiplexing of Terahertz Waves Realized by Diffractive Optical Elements. Applied Sciences (Switzerland), 2021, 11, 6246.	2.5	12
7	Paraffin Diffractive Lens for Subterahertz Rangeâ€”Simple and Cost Efficient Solution. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 396-401.	3.1	2
8	The Magic of Opticsâ€”An Overview of Recent Advanced Terahertz Diffractive Optical Elements. Sensors, 2021, 21, 100.	3.8	28
9	Terahertz digital holography: Two- and four-step phase shifting technique in two plane image recording. AIP Advances, 2021, 11, 105212.	1.3	2
10	Neural-network based approach to optimize THz computer generated holograms. Photonics Letters of Poland, 2021, 13, 88.	0.4	2
11	Off-Axis Diffractive Optics for Compact Terahertz Detection Setup. Applied Sciences (Switzerland), 2020, 10, 8594.	2.5	2
12	Enhanced Sub-wavelength Focusing by Double-Sided Lens with Phase Correction in THz Range. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 685-696.	2.2	3
13	Titanium-Based Microbolometers: Control of Spatial Profile of Terahertz Emission in Weak Power Sources. Applied Sciences (Switzerland), 2020, 10, 3400.	2.5	8
14	Terahertz diffractive optics: different way of thinking. , 2020, , .		3
15	Terahertz diffractive structures for compact in-reflection inspection setup. Optics Express, 2020, 28, 715.	3.4	6
16	Computational proximity lithography with extreme ultraviolet radiation. Optics Express, 2020, 28, 27000.	3.4	3
17	Study of thin, achromatic diffractive structures to focus terahertz radiation on a detector. Optica Applicata, 2020, 50, .	0.2	0
18	Chocolate Terahertz Fresnel Lens. Photonics Letters of Poland, 2020, 12, 103.	0.4	0

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19	THz diffractive lens manufactured using 3D printer working for 0.6 THz. , 2020, , .		3
20	Terahertz Diffractive Opticsâ€™Smart Control over Radiation. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 477-499.	2.2	46
21	Sub-Terahertz Computer Generated Hologram with Two Image Planes. Applied Sciences (Switzerland), 2019, 9, 659.	2.5	4
22	On stress â€œ strain responses and photoinduced properties of some azo polymers. Polymer, 2018, 140, 117-121.	3.8	11
23	UVA Sensor Based on Highly Birefringent Fiber Covered With Graphene Oxide. IEEE Photonics Technology Letters, 2018, 30, 845-848.	2.5	6
24	Diffractive Focusing Structures for Broadband Application in thz Range. , 2018, , .		1
25	Terahertz vision using field effect transistors detectors arrays. , 2018, , .		7
26	Optimization of THz diffractive optical elements thickness. Photonics Letters of Poland, 2018, 10, 115.	0.4	3
27	Differential digital holography of distant objects with the use of fiber optics. , 2018, , .		0
28	THz diffractive focusing structures for broadband application. Photonics Letters of Poland, 2018, 10, 76.	0.4	2
29	Geometrical Aberration Suppression for Large Aperture Sub-THz Lenses. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 347-355.	2.2	8
30	THz Beam Shaper Realizing Fan-Out Patterns. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1019-1030.	2.2	11
31	Paper on Designing Costless THz Paper Optics. Advances in Materials Science and Engineering, 2016, 2016, 1-13.	1.8	4
32	THz Beam Shaping Based on Paper Diffractive Optics. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 568-575.	3.1	15
33	Terahertz imaging with GaAs and GaN plasma field effect transistors detectors. , 2016, , .		4
34	3-D-Printed Flat Optics for THz Linear Scanners. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 314-316.	3.1	41
35	Efficiency of THz Paper Optical Elements Depending on their Type and Manufacturing Techniques.. , 2015, , .		0
36	High order kinoforms as a broadband achromatic diffractive optics for terahertz beams. Optics Express, 2014, 22, 3137.	3.4	21

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37	Research on properties of an infrared imaging diffractive element. Proceedings of SPIE, 2014, , .	0.8	0
38	Research on chromatic properties of high order kinoform. Proceedings of SPIE, 2014, , .	0.8	0
39	Highly efficient broadband double-sided Fresnel lens for THz range. Optics Letters, 2012, 37, 2214.	3.3	29
40	Diffractive paper lens for terahertz optics. Optics Letters, 2012, 37, 4320.	3.3	49
41	Diffuserless holographic projection working on twin spatial light modulators. Optics Letters, 2012, 37, 5064.	3.3	25
42	The Time Domain Spectroscopygoniometric setup characterization by the utilization of the plastic diffraction grating. Photonics Letters of Poland, 2012, 4, .	0.4	1
43	Complex light modulation for lensless image projection. Chinese Optics Letters, 2011, 9, 120008-120010.	2.9	26
44	Off-axis metallic diffractive lens for terahertz beams. Optics Letters, 2011, 36, 1960.	3.3	25
45	Efficient image projection by Fourier electroholography. Optics Letters, 2011, 36, 3018.	3.3	29
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	Prism-Like Behavior at Terahertz Frequencies of a 2D Metallic Grid with a Varying Periodicity. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 403-406.	2.2	7
49	Real-Time Lensless Image Projection by Electroholography with Amplitude-Phase Modulation. , 2011, , .		0
50	Modelling of the space invariant optical systems with a spatially incoherent illumination. Proceedings of SPIE, 2010, , .	0.8	2
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	Utilization of an LCoS spatial light modulator's phase flicker for improving diffractive efficiency. , 2010, , .		2
53	Speckless head-up display on two spatial light modulators. Proceedings of SPIE, 2010, , .	0.8	0
54	One-exposure phase-shifting digital holography based on the self-imaging effect. Optical Engineering, 2010, 49, 055802.	1.0	11

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55	Holographic color projection with additional phase factor to suppress zero diffractive order. Proceedings of SPIE, 2010, , .	0.8	1
56	The image quality and resolution limits of phase-shifting digital holography based on the self-imaging effect. Proceedings of SPIE, 2010, , .	0.8	0
57	Color image projection based on Fourier holograms. Optics Letters, 2010, 35, 1227.	3.3	68
58	Digital holography with self-imaging by a two-step phase element. Photonics Letters of Poland, 2010, 2, .	0.4	1
59	Utilization of the phase flicker of a LCoS Spatial Light Modulator for improved diffractive efficiency. Photonics Letters of Poland, 2010, 2, .	0.4	0
60	Experimental evaluation of a full-color compact lensless holographic display. Optics Express, 2009, 17, 20840.	3.4	60
61	Angle-dependent encoding of multiple asymmetric symbols in a binary phase hologram with a spatial segmentation. Applied Optics, 2009, 48, 270.	2.1	1
62	Color translucent head-up display based on a segmented Fourier hologram. Photonics Letters of Poland, 2009, 1, .	0.4	0