

Vladimir V Toporovsky

List of Publications by Year in descending order

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docs citations

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21
citing authors

#	ARTICLE	IF	CITATIONS
1	Wide-Aperture Bimorph Deformable Mirror for Beam Focusing in 4.2 PW Ti:Sa Laser. Applied Sciences (Switzerland), 2022, 12, 1144.	2.5	16
2	Focusing of a Laser Beam Passed through a Moderately Scattering Medium Using Phase-Only Spatial Light Modulator. Photonics, 2022, 9, 296.	2.0	7
3	State-of-the-Art Technologies in Piezoelectric Deformable Mirror Design. Photonics, 2022, 9, 321.	2.0	11
4	Real-Time Correction of a Laser Beam Wavefront Distorted by an Artificial Turbulent Heated Airflow. Photonics, 2022, 9, 351.	2.0	9
5	Small-aperture stacked-array deformable mirror made of the piezoceramic combs. , 2021, , .		3
6	Water-cooled deformable mirrors for high power beam correction. , 2021, , .		2
7	Water-cooled stacked-actuator flexible mirror for high-power laser beam correction. Optics and Laser Technology, 2021, 144, 107427.	4.6	17
8	Expansion of the Laser Beam Wavefront in Terms of Zernike Polynomials in the Problem of Turbulence Testing. Applied Sciences (Switzerland), 2021, 11, 12112.	2.5	11
9	Applicability of small size wavefront correctors to compensate for wavefront distortions in laser systems. , 2020, , .		0
10	Focusing laser beam through pinhole using stacked-actuator deformable mirror. , 2020, , .		0
11	Miniature bimorph deformable mirror for laser beam shaping. , 2020, , .		0
12	Wide-aperture deformable mirrors for wavefront distortions compensation in high-power laser complexes. , 2019, , .		0
13	Bimorph deformable mirror with a high density of electrodes to correct for atmospheric distortions. Applied Optics, 2019, 58, 6019.	1.8	31
14	Flexible bimorphic mirror with high density of control electrodes for correcting wavefront aberrations. Journal of Optical Technology (A Translation of Opticheskii Zhurnal), 2019, 86, 32.	0.4	10
15	Stacked-actuators deformable mirror vs bimorph mirror for laser beam shaping. , 2019, , .		0
16	Wide aperture high resolution stacked-actuator deformable mirror for high power laser beam correction. , 2019, , .		4
17	New generation of the miniature bimorph mirrors for compensation of the wavefront distortions. , 2019, , .		0
18	Bimorph deformable mirrors for high-order aberrations simulation. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Water-cooled stacked-actuator deformable mirror for atmospheric applications. , 2019, , .		3
20	Small-size bimorph mirror with high spatial resolution of the electrodes. , 2018, , .		0
21	Stacked-actuator deformable mirror for high-power lasers. , 2018, , .		1
22	High spatial resolution bimorph deformable mirror for laser beam control. , 2018, , .		0
23	Adaptive optical system for laser beam formation. , 2018, , .		0
24	High-resolution bimorph deformable mirror for laser beam shaping. , 2018, , .		0
25	Water-cooled stacked-actuator deformable mirror for high CW power laser beam correction. , 2018, , .		1