

Vladimir V Toporovsky

List of Publications by Year in descending order

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25
papers

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citations

1307594

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docs citations

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times ranked

21
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimorph deformable mirror with a high density of electrodes to correct for atmospheric distortions. Applied Optics, 2019, 58, 6019.	1.8	31
2	Water-cooled stacked-actuator flexible mirror for high-power laser beam correction. Optics and Laser Technology, 2021, 144, 107427.	4.6	17
3	Wide-Aperture Bimorph Deformable Mirror for Beam Focusing in 4.2 PW Ti:Sa Laser. Applied Sciences (Switzerland), 2022, 12, 1144.	2.5	16
4	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
5	State-of-the-Art Technologies in Piezoelectric Deformable Mirror Design. Photonics, 2022, 9, 321.	2.0	11
6	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
7	Real-Time Correction of a Laser Beam Wavefront Distorted by an Artificial Turbulent Heated Airflow. Photonics, 2022, 9, 351.	2.0	9
8	Focusing of a Laser Beam Passed through a Moderately Scattering Medium Using Phase-Only Spatial Light Modulator. Photonics, 2022, 9, 296.	2.0	7
9	Wide aperture high resolution stacked-actuator deformable mirror for high power laser beam correction. , 2019, , .		4
10	Small-aperture stacked-array deformable mirror made of the piezoceramic combs. , 2021, , .		3
11	Water-cooled stacked-actuator deformable mirror for atmospheric applications. , 2019, , .		3
12	Water-cooled deformable mirrors for high power beam correction. , 2021, , .		2
13	Stacked-actuator deformable mirror for high-power lasers. , 2018, , .		1
14	Water-cooled stacked-actuator deformable mirror for high CW power laser beam correction. , 2018, , .		1
15	Small-size bimorph mirror with high spatial resolution of the electrodes. , 2018, , .		0
16	Wide-aperture deformable mirrors for wavefront distortions compensation in high-power laser complexes. , 2019, , .		0
17	High spatial resolution bimorph deformable mirror for laser beam control. , 2018, , .		0
18	Adaptive optical system for laser beam formation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	High-resolution bimorph deformable mirror for laser beam shaping. , 2018, , .		0
20	Stacked-actuators deformable mirror vs bimorph mirror for laser beam shaping. , 2019, , .		0
21	New generation of the miniature bimorph mirrors for compensation of the wavefront distortions. , 2019, , .		0
22	Bimorph deformable mirrors for high-order aberrations simulation. , 2019, , .		0
23	Applicability of small size wavefront correctors to compensate for wavefront distortions in laser systems. , 2020, , .		0
24	Focusing laser beam through pinhole using stacked-actuator deformable mirror. , 2020, , .		0
25	Miniature bimorph deformable mirror for laser beam shaping. , 2020, , .		0