

Xiaodong Wang

List of Publications by Year in descending order

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papers

372
citations

1307594

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23
all docs

23
docs citations

23
times ranked

359
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing a Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material without a Structural Instability Problem. <i>Journal of the American Chemical Society</i> , 2016, 138, 2961-2964.	13.7	220
2	A beryllium-free deep-UV nonlinear optical material CsNaMgP ₂ O ₇ with honeycomb-like topological layers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3910-3916.	5.5	48
3	High Resolution Imaging Camera (HiRIC) on China's First Mars Exploration Tianwen-1 Mission. <i>Space Science Reviews</i> , 2021, 217, 1.	8.1	40
4	Space target detection in optical image sequences for wide-field surveillance. <i>International Journal of Remote Sensing</i> , 2020, 41, 7846-7867.	2.9	10
5	Design and Fabrication of Far-Ultraviolet Reflective Broadband Filter Based on Dielectric Materials. <i>Applied Spectroscopy</i> , 2018, 72, 943-946.	2.2	9
6	Topology Optimization Based Parametric Design of Balloon Borne Telescope's Primary Mirror. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5077.	2.5	9
7	EUV multilayer mirrors in solar X-EUV Imager. <i>Optik</i> , 2020, 204, 164213.	2.9	7
8	Thermal and stress studies of the 30.4nm Mo/Si multilayer mirror for the moon-based EUV camera. <i>Applied Surface Science</i> , 2014, 317, 902-907.	6.1	4
9	Torque Ripple Suppression of Brushless DC Motor Drive System Based on Improved Harmonic Injection Active Disturbance Rejection Control. <i>Sensors</i> , 2022, 22, 1069.	3.8	4
10	Influence of background pressure on the microstructure and optical properties of Mo/Si multilayers fabricated by magnetron sputtering. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013, 56, 1689-1693.	5.1	3
11	Design of dual-band cold mirrors. <i>Scientific Reports</i> , 2017, 7, 15402.	3.3	3
12	Design of second-order 121.6-nm narrowband minus filters using asymmetrically apodized thickness modulation. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	3
13	Design of First-Order 121.6nm Minus Filters. <i>Applied Spectroscopy</i> , 2018, 72, 1498-1502.	2.2	2
14	Origin of Fresnel problem of two dimensional materials. <i>Scientific Reports</i> , 2019, 9, 17825.	3.3	2
15	Design of W/Si supermirror by block method. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 957, 163435.	1.6	2
16	Design and fabrication of narrowband 121.6nm minus filters. , 2018, , .		2
17	Fast Optimization Design of the Flexure for a Space Mirror Based on Mesh Deformation. <i>Photonics</i> , 2021, 8, 567.	2.0	2
18	Microstructures of the interlayer in Mo/Si multilayers induced by proton irradiation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 2194-2198.	5.1	1

#	ARTICLE	IF	CITATIONS
19	Structural relaxation probed by resistance drift in amorphous germanium. Materials Research Express, 2020, 7, 036410.	1.6	1
20	Algorithm Research of Flexible Graphplan based on Heuristic. , 2008, , .		0
21	Design of Pt/C X-ray supermirror by needle optimization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 990, 164988.	1.6	0
22	Stray-Light Suppression of the Internally Occulted Reflecting Solar Corona Imager. Frontiers in Physics, 0, 10, .	2.1	0