

Simon Zeidler

List of Publications by Year in descending order

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29
papers

2,012
citations

623734

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501196

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all docs

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docs citations

30
times ranked

3363
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the KAGRA detector during the first joint observation with GEO600 (O3GK). Progress of Theoretical and Experimental Physics, 2023, 2023, .	6.6	4
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. Galaxies, 2022, 10, 63.	3.0	13
4	Overview of KAGRA: Detector design and construction history. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	198
5	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
6	Overview of KAGRA: Calibration, detector characterization, physical environmental monitors, and the geophysics interferometer. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	66
7	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. Classical and Quantum Gravity, 2021, 38, 065011.	4.0	7
8	Cryogenic suspension design for a kilometer-scale gravitational-wave detector. Classical and Quantum Gravity, 2021, 38, 085013.	4.0	15
9	Radiative Cooling of the Thermally Isolated System in KAGRA Gravitational Wave Telescope. Journal of Physics: Conference Series, 2021, 1857, 012002.	0.4	1
10	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2020, 23, 3.	26.7	447
11	Application of independent component analysis to the iKAGRA data. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	7
12	The status of KAGRA underground cryogenic gravitational wave telescope. Journal of Physics: Conference Series, 2020, 1342, 012014.	0.4	12
13	An arm length stabilization system for KAGRA and future gravitational-wave detectors. Classical and Quantum Gravity, 2020, 37, 035004.	4.0	10
14	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	4.0	45
15	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. Classical and Quantum Gravity, 2019, 36, 095015.	4.0	9
16	Measuring scattering light distributions on high-absorptive surfaces for stray-light reduction in gravitational-wave detectors. Optics Express, 2019, 27, 16890.	3.4	8
17	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. Living Reviews in Relativity, 2018, 21, 3.	26.7	808
18	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73

#	ARTICLE	IF	CITATIONS
19	Absorption and scattering by interstellar dust in the silicon K-edge of GX 5-1. <i>Astronomy and Astrophysics</i> , 2017, 599, A117.	5.1	26
20	Calculation method for light scattering caused by multilayer coated mirrors in gravitational wave detectors. <i>Optics Express</i> , 2017, 25, 4741.	3.4	12
21	Vacuum and cryogenic compatible black surface for large optical baffles in advanced gravitational-wave telescopes. <i>Optical Materials Express</i> , 2016, 6, 1613.	3.0	19
22	TEMPERATURE-DEPENDENT INFRARED OPTICAL CONSTANTS OF OLIVINE AND ENSTATITE. <i>Astrophysical Journal</i> , 2015, 798, 125.	4.5	23
23	Far-infrared continuum absorption of olivine at low temperatures. <i>Earth, Planets and Space</i> , 2013, 65, 1139-1143.	2.5	6
24	Optical constants of refractory oxides at high temperatures. <i>Astronomy and Astrophysics</i> , 2013, 553, A81.	5.1	63
25	High-Temperature Optical Constants of Dust Analogues for the Solar Nebula. <i>EAS Publications Series</i> , 2012, 58, 409-413.	0.3	1
26	Recent Results of Solid-State Spectroscopy. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 416-430.	0.0	3
27	Near-infrared absorption properties of oxygen-rich stardust analogs. <i>Astronomy and Astrophysics</i> , 2011, 526, A68.	5.1	66
28	Far-infrared spectra of hydrous silicates at low temperatures. <i>Astronomy and Astrophysics</i> , 2008, 492, 117-125.	5.1	18
29	Numerical Tool for Calculating Birefringence in Mirror-Substrates for Gravitational-Wave Detectors. <i>Frontiers in Astronomy and Space Sciences</i> , 0, 9, .	2.8	1