

# Simon Zeidler

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,012  
citations

623734

14  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3363  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Overview of KAGRA: Detector design and construction history. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	198
4	Construction of KAGRA: an underground gravitational-wave observatory. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	73
5	Near-infrared absorption properties of oxygen-rich stardust analogs. Astronomy and Astrophysics, 2011, 526, A68.	5.1	66
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	Optical constants of refractory oxides at high temperatures. Astronomy and Astrophysics, 2013, 553, A81.	5.1	63
8	First cryogenic test operation of underground km-scale gravitational-wave observatory KAGRA. Classical and Quantum Gravity, 2019, 36, 165008.	4.0	45
9	Overview of KAGRA: KAGRA science. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	31
10	Absorption and scattering by interstellar dust in the silicon K-edge of GX 5-1. Astronomy and Astrophysics, 2017, 599, A117.	5.1	26
11	TEMPERATURE-DEPENDENT INFRARED OPTICAL CONSTANTS OF OLIVINE AND ENSTATITE. Astrophysical Journal, 2015, 798, 125.	4.5	23
12	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
13	Vacuum and cryogenic compatible black surface for large optical baffles in advanced gravitational-wave telescopes. Optical Materials Express, 2016, 6, 1613.	3.0	19
14	Far-infrared spectra of hydrous silicates at low temperatures. Astronomy and Astrophysics, 2008, 492, 117-125.	5.1	18
15	Cryogenic suspension design for a kilometer-scale gravitational-wave detector. Classical and Quantum Gravity, 2021, 38, 085013.	4.0	15
16	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
17	Calculation method for light scattering caused by multilayer coated mirrors in gravitational wave detectors. Optics Express, 2017, 25, 4741.	3.4	12
18	The status of KAGRA underground cryogenic gravitational wave telescope. Journal of Physics: Conference Series, 2020, 1342, 012014.	0.4	12

#	ARTICLE	IF	CITATIONS
19	An arm length stabilization system for KAGRA and future gravitational-wave detectors. <i>Classical and Quantum Gravity</i> , 2020, 37, 035004.	4.0	10
20	Vibration isolation system with a compact damping system for power recycling mirrors of KAGRA. <i>Classical and Quantum Gravity</i> , 2019, 36, 095015.	4.0	9
21	Measuring scattering light distributions on high-absorptive surfaces for stray-light reduction in gravitational-wave detectors. <i>Optics Express</i> , 2019, 27, 16890.	3.4	8
22	Application of independent component analysis to the iKAGRA data. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	7
23	Vibration isolation systems for the beam splitter and signal recycling mirrors of the KAGRA gravitational wave detector. <i>Classical and Quantum Gravity</i> , 2021, 38, 065011.	4.0	7
24	Far-infrared continuum absorption of olivine at low temperatures. <i>Earth, Planets and Space</i> , 2013, 65, 1139-1143.	2.5	6
25	Performance of the KAGRA detector during the first joint observation with GEO600 (O3GK). <i>Progress of Theoretical and Experimental Physics</i> , 2023, 2023, .	6.6	4
26	Recent Results of Solid-State Spectroscopy. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 416-430.	0.0	3
27	High-Temperature Optical Constants of Dust Analogues for the Solar Nebula. <i>EAS Publications Series</i> , 2012, 58, 409-413.	0.3	1
28	Radiative Cooling of the Thermally Isolated System in KAGRA Gravitational Wave Telescope. <i>Journal of Physics: Conference Series</i> , 2021, 1857, 012002.	0.4	1
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