

Detlev Koester

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

672
citations

759233

12
h-index

996975

15
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15
all docs

15
docs citations

15
times ranked

644
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A planetesimal orbiting within the debris disc around a white dwarf star. <i>Science</i> , 2019, 364, 66-69. | 12.6 | 131 |
| 2 | Accretion of a giant planet onto a white dwarf star. <i>Nature</i> , 2019, 576, 61-64. | 27.8 | 113 |
| 3 | Doppler imaging of the planetary debris disc at the white dwarf SDSS J122859.93+104032.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4467-4478. | 4.4 | 102 |
| 4 | White dwarf and subdwarf stars in the Sloan Digital Sky Survey Data Release 14. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2169-2183. | 4.4 | 80 |
| 5 | Another one grinds the dust: variability of the planetary debris disc at the white dwarf SDSS J104341.53+085558.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1461-1469. | 4.4 | 55 |
| 6 | Convective overshoot and macroscopic diffusion in pure-hydrogen-atmosphere white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2503-2522. | 4.4 | 35 |
| 7 | White dwarf pollution by hydrated planetary remnants: hydrogen and metals in WD J204713.76+125908.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 171-182. | 4.4 | 28 |
| 8 | Alkali metals in white dwarf atmospheres as tracers of ancient planetary crusts. <i>Nature Astronomy</i> , 2021, 5, 451-459. | 10.1 | 28 |
| 9 | Horizontal spreading of planetary debris accreted by white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1646-1667. | 4.4 | 21 |
| 10 | Bayesian constraints on the origin and geology of exoplanetary material using a population of externally polluted white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2853-2867. | 4.4 | 21 |
| 11 | Discovery of 74 new bright ZZ Ceti stars in the first three years of <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1574-1590. | 4.4 | 14 |
| 12 | Planets or asteroids? A geochemical method to constrain the masses of White Dwarf pollutants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3512-3530. | 4.4 | 14 |
| 13 | Kinematic properties of white dwarfs. <i>Astronomy and Astrophysics</i> , 2022, 658, A22. | 5.1 | 11 |
| 14 | The evolution of ultra-massive carbon-oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5198-5206. | 4.4 | 11 |
| 15 | Spectral analysis of cool white dwarfs accreting from planetary systems: from the ultraviolet to the optical. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 71-82. | 4.4 | 8 |