

David C Nicholls

List of Publications by Year in descending order

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10
papers

1,058
citations

1163117

8
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

1601
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Understanding Galaxy Evolution Through Emission Lines. Annual Review of Astronomy and Astrophysics, 2019, 57, 511-570. | 24.3 | 281 |
| 2 | NEW STRONG-LINE ABUNDANCE DIAGNOSTICS FOR H II REGIONS: EFFECTS OF \hat{n}_e -DISTRIBUTED ELECTRON ENERGIES AND NEW ATOMIC DATA. Astrophysical Journal, Supplement Series, 2013, 208, 10. | 7.7 | 238 |
| 3 | Chemical abundances in high-redshift galaxies: a powerful new emission line diagnostic. Astrophysics and Space Science, 2016, 361, 1. | 1.4 | 189 |
| 4 | RESOLVING THE ELECTRON TEMPERATURE DISCREPANCIES IN H II REGIONS AND PLANETARY NEBULAE: \hat{n}_e -DISTRIBUTED ELECTRONS. Astrophysical Journal, 2012, 752, 148. | 4.5 | 171 |
| 5 | Theoretical ISM Pressure and Electron Density Diagnostics for Local and High-redshift Galaxies. Astrophysical Journal, 2019, 880, 16. | 4.5 | 60 |
| 6 | Abundance scaling in stars, nebulae and galaxies. Monthly Notices of the Royal Astronomical Society, 0, , stw3235. | 4.4 | 51 |
| 7 | Calibrating Interstellar Abundances Using Supernova Remnant Radiative Shocks. Astronomical Journal, 2019, 157, 50. | 4.7 | 31 |
| 8 | Comparison of Theoretical Starburst Photoionization Models for Optical Diagnostics. Astrophysical Journal, 2019, 878, 2. | 4.5 | 18 |
| 9 | Estimating Electron Temperatures in Ionized Nebulae: The Direct Method and its Limitations. Publications of the Astronomical Society of the Pacific, 2020, 132, 033001. | 3.1 | 15 |
| 10 | THE DISCOVERY OF RAMAN SCATTERING IN H II REGIONS. Astrophysical Journal Letters, 2016, 824, L13. | 8.3 | 3 |