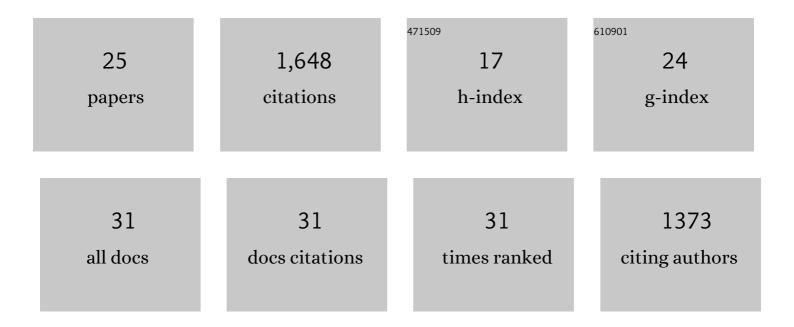
John Carter

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3687872/publications.pdf Version: 2024-02-01



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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Hydrous minerals on Mars as seen by the CRISM and OMEGA imaging spectrometers: Updated global view. Journal of Geophysical Research E: Planets, 2013, 118, 831-858. | 3.6 | 420 |
| 2 | Widespread surface weathering on early Mars: A case for a warmer and wetter climate. Icarus, 2015, 248, 373-382. | 2.5 | 151 |
| 3 | Detection of Hydrated Silicates in Crustal Outcrops in the Northern Plains of Mars. Science, 2010, 328, 1682-1686. | 12.6 | 134 |
| 4 | Global maps of anhydrous minerals at the surface of Mars from OMEGA/MEx. Journal of Geophysical Research, 2012, 117, . | 3.3 | 133 |
| 5 | Stratigraphy, mineralogy, and origin of layered deposits inside Terby crater, Mars. Icarus, 2011, 211, 273-304. | 2.5 | 131 |
| 6 | Global investigation of olivine on Mars: Insights into crust and mantle compositions. Journal of Geophysical Research E: Planets, 2013, 118, 234-262. | 3.6 | 117 |
| 7 | Oxia Planum: The Landing Site for the ExoMars "Rosalind Franklin―Rover Mission: Geological Context and Prelanding Interpretation. Astrobiology, 2021, 21, 345-366. | 3.0 | 84 |
| 8 | Mineral abundances at the final four curiosity study sites and implications for their formation. Icarus, 2014, 231, 65-76. | 2.5 | 74 |
| 9 | Late Hesperian aqueous alteration at Majuro crater, Mars. Planetary and Space Science, 2012, 72, 18-30. | 1.7 | 52 |
| 10 | The stratigraphy and history of Mars' northern lowlands through mineralogy of impact craters: A comprehensive survey. Journal of Geophysical Research E: Planets, 2017, 122, 1824-1854. | 3.6 | 49 |
| 11 | Valleys, paleolakes and possible shorelines at the Libya Montes/Isidis boundary: Implications for the hydrologic evolution of Mars. Icarus, 2012, 219, 393-413. | 2.5 | 43 |
| 12 | Automated processing of planetary hyperspectral datasets for the extraction of weak mineral signatures and applications to CRISM observations of hydrated silicates on Mars. Planetary and Space Science, 2013, 76, 53-67. | 1.7 | 43 |
| 13 | Morphological and Spectral Diversity of the Clay-Bearing Unit at the ExoMars Landing Site Oxia Planum. Astrobiology, 2021, 21, 464-480. | 3.0 | 35 |
| 14 | Detection of Carbonates in Martian Weathering Profiles. Journal of Geophysical Research E: Planets, 2019, 124, 989-1007. | 3.6 | 34 |
| 15 | Observational evidence for a dry dust-wind origin of Mars seasonal dark flows. Icarus, 2019, 325, 115-127. | 2.5 | 29 |
| 16 | Eridania Basin: An ancient paleolake floor as the next landing site for the Mars 2020 rover. Icarus, 2016, 275, 163-182. | 2.5 | 21 |
| 17 | Mawrth Vallis, Mars: A Fascinating Place for Future <i>In Situ</i> Exploration. Astrobiology, 2020, 20, 199-234. | 3.0 | 18 |
| 18 | Toward the geological significance of hydrated silica detected by near infrared spectroscopy on Mars based on terrestrial reference samples. Icarus, 2020, 347, 113706. | 2.5 | 14 |

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Voluminous Silica Precipitated from Martian Waters during Late-stage Aqueous Alteration. Planetary Science Journal, 2021, 2, 65. | 3.6 | 13 |
| 20 | Planetary Terrestrial Analogues Library project: 1. characterization of samples by near-infrared point spectrometer. Planetary and Space Science, 2020, 189, 104989. | 1.7 | 12 |
| 21 | Shock metamorphism of clay minerals on Mars by meteor impact. Geophysical Research Letters, 2017, 44, 6562-6569. | 4.0 | 11 |
| 22 | PSUP: A Planetary SUrface Portal. Planetary and Space Science, 2018, 150, 2-8. | 1.7 | 9 |
| 23 | The M3 project: 1- A global hyperspectral image-cube of the martian surface. Icarus, 2019, 319, 281-292. | 2.5 | 8 |
| 24 | The M3 project: 3 – Global abundance distribution of hydrated silicates at Mars. Icarus, 2022, 374, 114809. | 2.5 | 7 |
| 25 | Visible to Short-Wave Infrared Spectral Analyses of Mars from Orbit Using CRISM and OMEGA. , 2019, , 453-483. | | 6 |