

# Yang Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5643219/publications.pdf>

Version: 2024-02-01

8  
papers

649  
citations

2682572

2  
h-index

2550090

3  
g-index

8  
all docs

8  
docs citations

8  
times ranked

591  
citing authors

| # | ARTICLE   | IF  | CITATIONS |
|---|---|-----|-----------|
| 1 | Two years of Visual Odometry on the Mars Exploration Rovers. Journal of Field Robotics, 2007, 24, 169-186.  | 6.0 | 519       |
| 2 | Attitude and Position Estimation on the Mars Exploration Rovers. , 0, , .   |     | 58        |
| 3 | Real-Time Terrain Relative Navigation Test Results from a Relevant Environment for Mars Landing. , 2015, , .                                      |     | 33        |
| 4 | MER-DIMES: a planetary landing application of computer vision. , 2005, , .  |     | 22        |
| 5 | Making an Onboard Reference Map From MRO/CTX Imagery for Mars 2020 Lander Vision System. Earth and Space Science, 2021, 8, e2020EA001560.         | 2.6 | 9         |
| 6 | Rover Localization for Tube Pickup: Dataset, Methods and Validation for Mars Sample Return Planning. , 2020, , .                                  |     | 3         |
| 7 | Camera Simulation For Perseverance Rover's Lander Vision System. , 2022, , .  |     | 3         |
| 8 | Rover Relocalization for Mars Sample Return by Virtual Template Synthesis and Matching. IEEE Robotics and Automation Letters, 2021, 6, 4009-4016. | 5.1 | 2         |