

# Zhen Xu

## List of Publications by Year in descending order

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15  
papers

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1478505

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44  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | On Signal Modeling of Moon-Based Synthetic Aperture Radar (SAR) Imaging of Earth. Remote Sensing, 2018, 10, 486.  | 4.0 | 35        |
| 2  | Effects of the Earth's Curvature and Lunar Revolution on the Imaging Performance of the Moon-Based Synthetic Aperture Radar. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5868-5882.           | 6.3 | 20        |
| 3  | Temporal-Spatial Varying Background Ionospheric Effects on the Moon-Based Synthetic Aperture Radar Imaging: A Theoretical Analysis. IEEE Access, 2018, 6, 66767-66786.  | 4.2 | 13        |
| 4  | Zero-Doppler Centroid Steering for the Moon-Based Synthetic Aperture Radar: A Theoretical Analysis. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1208-1212.  | 3.1 | 13        |
| 5  | Spatiotemporal Coverage of a Moon-Based Synthetic Aperture Radar: Theoretical Analyses and Numerical Simulations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8735-8750.                      | 6.3 | 12        |
| 6  | Effects of the Earth's Irregular Rotation on the Moon-Based Synthetic Aperture Radar Imaging. IEEE Access, 2019, 7, 155014-155027.  | 4.2 | 8         |
| 7  | Effects of the "Stop-and-Go" Approximation on the Lunar-Based SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.   | 3.1 | 6         |
| 8  | Apsidal Precession Effects on the Lunar-Based Synthetic Aperture Radar Imaging Performance. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1079-1083.  | 3.1 | 5         |
| 9  | Numerical Study of the Spatiotemporally-Varying Background Ionospheric Effects on P-Band Satellite SAR Imaging. IEEE Access, 2020, 8, 123182-123199.  | 4.2 | 2         |
| 10 | On Orbital Determination of the Lunar-Based SAR Under Apsidal Precession. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.   | 6.3 | 2         |
| 11 | On Evaluating the Imaging Performance and Orbital Determination Under Perturbations of Orbital Inclination and RAAN in the Lunar-Based SAR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19. | 6.3 | 2         |
| 12 | Ionospheric effects on the lunar-based radar imaging. , 2017, , .   |     | 1         |
| 13 | Doppler Estimation with "Non-Stop-and-Go" Assumption in Moon-Based SAR Imaging. , 2018, , .   |     | 1         |
| 14 | Effects of Temporally-varying Tropospheric Path Delay on the Imaging Performance of Moon-based SAR. , 2019, , .   |     | 1         |
| 15 | Simulation Study of the Earth Radiation Budget Experiment on the Moon-Based Earth Observation Platform. , 2018, , .   |     | 0         |