

# Alberto Toccafondi

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

62  
citations

2258059

3  
h-index

2272923

4  
g-index

15  
all docs

15  
docs citations

15  
times ranked

67  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Integrated Water Vapor Estimation Through Microwave Propagation Measurements: First Experiment on a Ground-to-Ground Radio Link. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.                   | 6.3 | 3         |
| 2  | UHF and L-Band Microwave Measurements of the Antarctic Firn-Layer Complex Permittivity Depth Profile. , 2020, , .  |     | 1         |
| 3  | Implementation and Validation of a Retrieval Algorithm for Profiling of Water Vapor From Differential Attenuation Measurements at Microwaves. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5939-5948. | 6.3 | 3         |
| 4  | Characterization of EMI/EMC Ground Test Facility for Electric Propulsion Thrusters By Means of Iterative Physical Optics. , 2019, , .  |     | 1         |
| 5  | An Open-Resonator Sensor for Measuring the Dielectric Properties of Antarctic Ice. Sensors, 2019, 19, 2099.  | 3.8 | 5         |
| 6  | Development and Application of Iterative PO to the Characterization of EMI/EMC Ground Test Facility for Electric Propulsion Thrusters. , 2018, , .   |     | 1         |
| 7  | Target measurements influence on level crossing detection system safety assessment. , 2017, , .  |     | 2         |
| 8  | Modeling and dielectric characterization of EMI/EMC ground test for the evaluation of the electric propulsion thruster emissions. , 2017, , .  |     | 1         |
| 9  | Efficient Algorithm for the Evaluation of the Physical Optics Scattering by NURBS Surfaces With Relatively General Boundary Condition. IEEE Transactions on Antennas and Propagation, 2013, 61, 4194-4203.             | 5.1 | 28        |
| 10 | Scattering matrix domain decomposition method formalized with different wave propagators. , 2012, , .  |     | 0         |
| 11 | Design and analysis of a compact antenna for UWB RFID applications. , 2012, , .  |     | 4         |
| 12 | Low-power UWB transmitter for RFID transponder applications. , 2012, , .   |     | 8         |
| 13 | Hybrid methods based on generalized scattering matrices. , 2011, , .   |     | 2         |
| 14 | Accurate and efficient evaluation of fields radiated at arbitrary distances by numerically-defined currents residing on arbitrarily shaped objects. , 2010, , .  |     | 3         |
| 15 | ITD formulation for the high-frequency scattering by moderately sized elliptic cylinders. , 2008, , .  |     | 0         |