

# Raimund A M Mauermayer

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	ELECTROMAGNETIC FIELD TRANSFORMATIONS FOR MEASUREMENTS AND SIMULATIONS (Invited Paper). Progress in Electromagnetics Research, 2015, 151, 127-150.	4.4	104
2	ON THE SOLUTION OF INVERSE EQUIVALENT SURFACE-SOURCE PROBLEMS. Progress in Electromagnetics Research, 2019, 165, 47-65.	4.4	30
3	Spherical Field Transformation Above Perfectly Electrically Conducting Ground Planes. IEEE Transactions on Antennas and Propagation, 2018, 66, 1465-1478.	5.1	26
4	A Propagating Plane-Wave-Based Near-Field Transmission Equation for Antenna Gain Determination from Irregular Measurement Samples. IEEE Transactions on Antennas and Propagation, 2017, 65, 4230-4238.	5.1	25
5	Accuracy and Conditioning of Surface-Source Based Near-Field to Far-Field Transformations. IEEE Transactions on Antennas and Propagation, 2021, 69, 4894-4908.	5.1	19
6	Compact Two-Element Printed Monopole Array With Partially Extended Ground Plane. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 138-140.	4.0	16
7	Time gating based on sparse time domain signal reconstruction from limited frequency domain information. , 2016, , .		10
8	Spherical field transformation for hemispherical antenna measurements above perfectly conducting ground planes. , 2016, , .		10
9	3-D Monostatic RCS Determination From Multistatic Near-Field Measurements by Plane-Wave Field Synthesis. IEEE Transactions on Antennas and Propagation, 2019, 67, 3387-3396.	5.1	9
10	Compact Uniform Circular Quarter-Wavelength Monopole Antenna Arrays With Wideband Decoupling and Matching Networks. IEEE Transactions on Antennas and Propagation, 2021, 69, 769-783.	5.1	9
11	Contour-Integrated Dual-Band Compact Antenna Elements and Arrays for Low-Profile Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2015, 63, 3305-3311.	5.1	8
12	Setup and Characterization of a Volumetric $\langle \text{in-line-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \langle \text{in-line-formula} \rangle$ -Band Near-Field Antenna Measurement System. IEEE Transactions on Antennas and Propagation, 2018, 66, 5498-5510.	5.1	8
13	Fast irregular antenna field transformations above perfectly conducting ground planes. , 2016, , .		6
14	Method-of-Moments Modeling of Conducting Objects within the Fast Irregular Antenna Field Transformation Algorithm. , 2019, , .		5
15	Free-space antenna far-field extraction from near-field measurements above metallic ground. , 2017, , .		2
16	Versatile Low-Cost and Light-Weight RF Equipment for Field Measurements. , 2020, , .		2