

Bowen Bai

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Reentry Plasma Sheath on the Polarization Properties of Obliquely Incident EM Waves. IEEE Transactions on Plasma Science, 2014, 42, 3365-3372.	1.3	98
2	Reflections of Electromagnetic Waves Obliquely Incident on a Multilayer Stealth Structure With Plasma and Radar Absorbing Material. IEEE Transactions on Plasma Science, 2015, 43, 2588-2597.	1.3	75
3	Re-entry communication through a plasma sheath using standing wave detection and adaptive data rate control. Journal of Applied Physics, 2016, 119, .	2.5	47
4	Effects of Pressure Variation on Polarization Properties of Obliquely Incident RF Waves in Re-Entry Plasma Sheath. IEEE Transactions on Plasma Science, 2015, 43, 3147-3154.	1.3	40
5	Evaluations of Plasma Stealth Effectiveness Based on the Probability of Radar Detection. IEEE Transactions on Plasma Science, 2017, 45, 938-944.	1.3	29
6	A layered fluctuation model of electron density in plasma sheath and instability effect on electromagnetic wave at Ka band. Aerospace Science and Technology, 2018, 78, 480-487.	4.8	29
7	A Novel Plasma Jamming Technology Based on the Resonance Absorption Effect. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1056-1059.	4.0	25
8	Integration of Circularly Polarized Microstrip Slot Array Antenna With Amorphous Silicon Solar Cells. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2320-2323.	4.0	22
9	An Analysis of Radar Detection on a Plasma Sheath Covered Reentry Target. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 4255-4268.	4.7	17
10	Method of Detecting a Target Enveloped by a Plasma Sheath Based on Doppler Frequency Compensation. IEEE Transactions on Plasma Science, 2020, 48, 4103-4111.	1.3	17
11	Attenuation of low-frequency electromagnetic wave in the thin sheath enveloping a high-speed vehicle upon re-entry. Journal of Applied Physics, 2017, 121, .	2.5	15
12	A Novel Passive Jamming Method Against ISAR Based on Resonance Absorption Effect of Metamaterials. IEEE Access, 2018, 6, 18142-18148.	4.2	13
13	Establishment of a Wideband Radar Scattering Center Model of a Plasma Sheath. IEEE Access, 2019, 7, 140402-140410.	4.2	13
14	Instantaneous polarization statistic property of EM waves incident on time-varying reentry plasma. Physics of Plasmas, 2018, 25, 062101.	1.9	11
15	Passive Radar Jamming: A Novel Method Using Time-Varying Plasma. IEEE Access, 2019, 7, 120082-120088.	4.2	11
16	2D simulation of the electromagnetic wave across the non-uniform reentry plasma sheath with COMSOL. AIP Advances, 2019, 9, .	1.3	10
17	Effects of Plasma Sheath on the Signal Detection of Narrowband Receiver. IEEE Transactions on Plasma Science, 2019, 47, 251-258.	1.3	10
18	Effects of a reentry plasma sheath on the beam pointing properties of an array antenna. AIP Advances, 2018, 8, .	1.3	8

#	ARTICLE	IF	CITATIONS
19	Intra-pulse modulation of the linear frequency modulated pulse caused by time-varying plasma. AIP Advances, 2019, 9, .	1.3	6
20	Integration of Microstrip Slot Array Antenna with Dye-Sensitized Solar Cells. Sensors, 2020, 20, 6257.	3.8	6
21	Effect of plasma on the intrapulse distortion of linear frequency modulated pulse. Physics of Plasmas, 2019, 26, .	1.9	3
22	A Numerical Simulation Method of Radar Echo From a High-Speed Target. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1958-1962.	4.0	3
23	Analysis of Hypersonic Platform-Borne SAR Imaging: A Physical Perspective. Remote Sensing, 2021, 13, 4943.	4.0	3
24	Effect of Plasma Sheath Covering Spacecraft-Borne Array Antenna on Direction-of-Arrival Estimation. IEEE Transactions on Plasma Science, 2021, 49, 2681-2689.	1.3	2
25	Transmission coefficient estimation based on antenna voltage standing wave ratio under plasma sheath. AIP Advances, 2018, 8, 075018.	1.3	1
26	Effects of Plasma Sheath on Parameter Estimations of Linear Frequency Modulation Pulse Signal. IEEE Transactions on Plasma Science, 2019, 47, 4934-4943.	1.3	1
27	Analysis of inverse synthetic aperture radar imaging in the presence of time-varying plasma sheath. Plasma Science and Technology, 2022, 24, 035002.	1.5	1
28	Research on Anomaly Suppression Method of Plasma-Sheath-Covered Reentry Target. IEEE Transactions on Plasma Science, 2022, 50, 1765-1774.	1.3	1
29	A Calculation Method of Electromagnetic Wave Reflection in Plasma Sheath Environment. IEEE Transactions on Plasma Science, 2022, 50, 2030-2038.	1.3	0