

Lei Wang

List of Publications by Year in descending order

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18
papers

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1478505

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all docs

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docs citations

18
times ranked

140
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on a Low-Magnetic Field High-Efficiency Transit-Time Oscillator With Two Bunchers. IEEE Transactions on Plasma Science, 2022, 50, 656-661.	1.3	4
2	A V-Band Coaxial Relativistic Transit-Time Oscillator Operating in TM ₀₂ Mode With Shallow Corrugated Output Structure. IEEE Electron Device Letters, 2022, 43, 1125-1128.	3.9	2
3	Atmospheric-pressure plasma assisted engineering of polymer surfaces: From high hydrophobicity to superhydrophilicity. Applied Surface Science, 2021, 535, 147032.	6.1	45
4	Synthesis of antibacterial composite coating containing nanocapsules in an atmospheric pressure plasma. Materials Science and Engineering C, 2021, 119, 111496.	7.3	19
5	A two-buncher high-efficiency transit-time oscillator with a low guiding magnetic field. AIP Advances, 2021, 11, 065127.	1.3	0
6	Investigation of an atmospheric pressure radio frequency helium planar plasma source in humid ambient air. Plasma Sources Science and Technology, 2021, 30, 075029.	3.1	0
7	Theoretical analysis and experimental verification of electron beam transmission with low guiding magnetic field in V-band coaxial transit-time oscillator. Physics of Plasmas, 2021, 28, .	1.9	4
8	A novel dual-band nested transit time oscillator. AIP Advances, 2021, 11, .	1.3	6
9	A novel Ka-band coaxial transit time oscillator with internal extraction. Review of Scientific Instruments, 2021, 92, 094704.	1.3	1
10	Preliminary research of a V-band coaxial relativistic transit-time oscillator with traveling wave output structure. Physics of Plasmas, 2021, 28, .	1.9	4
11	A Ka-band coaxial transit time oscillator with a focusing cathode. AIP Advances, 2021, 11, .	1.3	2
12	On the electron density of atmospheric pressure radio frequency dielectric barrier discharge and discharge with bare electrode. Japanese Journal of Applied Physics, 2020, 59, SHHB01.	1.5	5
13	On diagnostics of annular-shape radio-frequency plasma jet operating in argon in atmospheric conditions. Plasma Sources Science and Technology, 2020, 29, 035027.	3.1	10
14	Field distribution and dispersion characteristics of a coaxial oversized slow wave structure with deep corrugation operating on high-order mode. AIP Advances, 2020, 10, .	1.3	3
15	Investigation of atmospheric pressure RF discharge with coexisting $\langle i \rangle_{\pm}$ and $\langle i \rangle^3$ -modes. Plasma Sources Science and Technology, 2019, 28, 055010.	3.1	1
16	Mechanisms of sustaining a radio-frequency atmospheric pressure planar discharge. Plasma Sources Science and Technology, 2017, 26, 075012.	3.1	6
17	Suppression of the asymmetric competition mode in the relativistic Ku-band coaxial transit-time oscillator. Physics of Plasmas, 2014, 21, 103108.	1.9	23
18	Focusing electrode and coaxial reflector used for reducing the guiding magnetic field of the Ku-band foilless transit-time oscillator. Review of Scientific Instruments, 2014, 85, 084702.	1.3	18