

Lei Wang

List of Publications by Year in descending order

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18
papers

153
citations

1478505

6
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1199594

12
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all docs

18
docs citations

18
times ranked

140
citing authors

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