

Svetlana Starikovskaia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/935403/publications.pdf>

Version: 2024-02-01

16
papers

886
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxation of electronic excitation in nitrogen/oxygen and fuel/air mixtures: fast gas heating in plasma-assisted ignition and flame stabilization. <i>Progress in Energy and Combustion Science</i> , 2022, 91, 100928.	31.2	36
2	Effect of the electric field profile on the accuracy of E-FISH measurements in ionization waves. <i>Plasma Sources Science and Technology</i> , 2022, 31, 015010.	3.1	12
3	Fast gas heating and kinetics of electronically excited states in a nanosecond capillary discharge in CO ₂ . <i>Plasma Sources Science and Technology</i> , 2022, 31, 035010.	3.1	12
4	Fine structure of streamer-to-filament transition in high-pressure nanosecond surface dielectric barrier discharge. <i>Plasma Sources Science and Technology</i> , 2022, 31, 045013.	3.1	5
5	On electric field measurements based on intensity ratio of 1^{\sim} and $2^{\sim} +$ systems of nitrogen in discharges with high specific deposited energy. <i>Plasma Sources Science and Technology</i> , 2022, 31, 084002.	3.1	3
6	Spatially enhanced electric field induced second harmonic (SEEFISH) generation for measurements of electric field distributions in high-pressure plasmas. <i>Plasma Sources Science and Technology</i> , 2022, 31, 085002.	3.1	7
7	Non-equilibrium plasma for ignition and combustion enhancement. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	25
8	TALIF measurements of atomic nitrogen in the afterglow of a nanosecond capillary discharge. <i>Plasma Sources Science and Technology</i> , 2020, 29, 035017.	3.1	20
9	Electric field measurements in plasmas: how focusing strongly distorts the E-FISH signal. <i>Plasma Sources Science and Technology</i> , 2020, 29, 125002.	3.1	39
10	Editorial conclusions to the special issue on electrical discharges for aerospace applications. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 410201.	2.8	0
11	Electric field induced second harmonic (E-FISH) generation for characterization of fast ionization wave discharges at moderate and low pressures. <i>Plasma Sources Science and Technology</i> , 2019, 28, 045004.	3.1	44
12	Fast gas heating of nanosecond pulsed surface dielectric barrier discharge: spatial distribution and fractional contribution from kinetics. <i>Plasma Sources Science and Technology</i> , 2018, 27, 124007.	3.1	49
13	Nanosecond surface dielectric barrier discharge in atmospheric pressure air: I. measurements and 2D modeling of morphology, propagation and hydrodynamic perturbations. <i>Plasma Sources Science and Technology</i> , 2017, 26, 125004.	3.1	62
14	Phase imaging microscopy for the diagnostics of plasma-cell interaction. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	6
15	Dynamics of plasma evolution in a nanosecond underwater discharge. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 224017.	2.8	55
16	The 2012 Plasma Roadmap. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 253001.	2.8	511