Floran Peeters

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6108585/publications.pdf

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19 papers	652 citations	686830 13 h-index	794141 19 g-index
19 all docs	19 docs citations	19 times ranked	562 citing authors

#	Article	IF	Citations
1	Plasmaâ€driven dissociation of CO₂ for fuel synthesis. Plasma Processes and Polymers, 2017, 14, 1600126.	1.6	152
2	Homogeneous CO₂ conversion by microwave plasma: Wave propagation and diagnostics. Plasma Processes and Polymers, 2017, 14, 1600120.	1.6	90
3	Plasma assisted nitrogen oxide production from air: Using pulsed powered gliding arc reactor for a containerized plant. AIChE Journal, 2018, 64, 526-537.	1.8	60
4	Deciphering the synergy between plasma and catalyst support for ammonia synthesis in a packed dielectric barrier discharge reactor. Journal Physics D: Applied Physics, 2020, 53, 144003.	1.3	47
5	Implications of thermo-chemical instability on the contracted modes in CO₂ microwave plasmas. Plasma Sources Science and Technology, 2020, 29, 025005.	1.3	45
6	Plasma Activated Electrochemical Ammonia Synthesis from Nitrogen and Water. ACS Energy Letters, 2021, 6, 313-319.	8.8	44
7	CO₂ Conversion in Nonuniform Discharges: Disentangling Dissociation and Recombination Mechanisms. Journal of Physical Chemistry C, 2020, 124, 16806-16819.	1.5	36
8	Characterization of CO₂ microwave plasma based on the phenomenon of skin-depth-limited contraction. Plasma Sources Science and Technology, 2019, 28, 115022.	1.3	30
9	Insight into contraction dynamics of microwave plasmas for CO₂ conversion from plasma chemistry modelling. Plasma Sources Science and Technology, 2020, 29, 105014.	1.3	27
10	Nonâ€oxidative methane coupling to C₂ hydrocarbons in a microwave plasma reactor. Plasma Processes and Polymers, 2018, 15, 1800087.	1.6	25
11	Atmospheric-pressure diffuse dielectric barrier discharges in Ar/O₂gas mixture using 200â€‰kHz/13.56 MHz dual frequency excitation. Journal Physics D: Applied Physics, 2018, 51, 114002.	1.3	20
12	Plasma Driven Exsolution for Nanoscale Functionalization of Perovskite Oxides. Small Methods, 2021, 5, e2100868.	4.6	19
13	Preferential vibrational excitation in microwave nitrogen plasma assessed by Raman scattering. Plasma Sources Science and Technology, 2018, 27, 055006.	1.3	18
14	Numerical simulation of atmospheric-pressure 200 kHz/13.56 MHz dual-frequency dielectric barrier discharges. Plasma Sources Science and Technology, 2018, 27, 105016.	1.3	12
15	Tin re-deposition and erosion measured by cavity-ring-down-spectroscopy under a high flux plasma beam. Nuclear Fusion, 2017, 57, 086040.	1.6	10
16	Improving uniformity of atmospheric-pressure dielectric barrier discharges using dual frequency excitation. Plasma Sources Science and Technology, 2018, 27, 01LT01.	1.3	9
17	Role of Electronâ€“Ion Dissociative Recombination in $$hbox {CH}_{4}$$ Microwave Plasma on Basis of Simulations and Measurements of Electron Energy. Plasma Chemistry and Plasma Processing, 2019, 39, 1275-1289.	1.1	4
18	Flame bands: CO + O chemiluminescence as a measure of gas temperature. Journal Physics D: Applied Physics, 2021, 54, 374005.	1.3	3

#	Article	IF	Citations
19	Plasma conductivity as a probe for ambient air admixture in an atmospheric pressure plasma jet. Plasma Chemistry and Plasma Processing, 2018, 38, 63-74.	1.1	1