Juraj OrszÃ¡gh

List of Publications by Year
in descending order

38 papers	644 citations	840776 11 h-index	580821 25 g-index
40 all docs	40 docs citations	40 times ranked	1173 citing authors

#	Article	IF	Citations
1	Dissociative Excitation of Nitromethane Induced by Electron Impact in the Ultraviolet â€“ Visible Spectrum. ChemPhysChem, 2022, 23, e202100705.	2.1	3
2	Atomic Iron and Nickel in the Coma of C/1996 B2 (Hyakutake): Production Rates, Emission Mechanisms, and Possible Parents. Planetary Science Journal, 2021, 2, 228.	3.6	4
3	Electron Induced Emission of Nitrous Oxide in the UV-VIS Spectral Range. Plasma Physics and Technology, 2020, 7, 36-42.	0.3	0
4	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8
5	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
6	Tritium distributions on W-coated divertor tiles used in the third JET ITER-like wall campaign. Nuclear Materials and Energy, 2019, 18, 258-261.	1.3	10
7	Population modelling of the He II energy levels in tokamak plasmas: I. Collisional excitation model. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 045001.	1.5	1
8	Diagnostics of Collisions between Electrons and Water Molecules in Near-ultraviolet and Visible Wavelengths. Astrophysical Journal, 2019, 885, 167.	4.5	9
9	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. Journal of Nuclear Materials, 2019, 516, 202-213.	2.7	18
10	Analysis of the outer divertor hot spot activity in the protection video camera recordings at JET. Fusion Engineering and Design, 2019, 139, 115-123.	1.9	3
11	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.9	7
12	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuteriumâ€“tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	2.6	35
13	14 MeV calibration of JET neutron detectorsâ€”phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
14	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
15	Dissociative Excitation of Acetylene Induced by Electron Impact: Excitation-emission Cross-sections. Astrophysical Journal, 2017, 841, 17.	4.5	9
16	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
17	Electron impact study of H2 and D2 continuum radiation. Journal of Physics: Conference Series, 2017, 875, 062050.	0.4	0
18	Absolute excitation-emission cross section of electron induced argon excitation. Journal of Physics: Conference Series, 2017, 875, 052023.	0.4	0

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19	Electron induced fluorescence of the H₂moleculeâ€”Balmer lines and FulcherÎ±system. Plasma Sources Science and Technology, 2016, 25, 065007.	3.1	4
20	Role of NH₃ in the Electron-Induced Reactions of Adsorbed and Solid Cisplatin. Journal of Physical Chemistry C, 2016, 120, 4112-4120.	3.1	18
21	Dissociative excitation study of iron pentacarbonyl molecule. European Physical Journal D, 2015, 69, 1.	1.3	10
22	Experimental simulation of negative ion chemistry in Martian atmosphere using ion mobility spectrometry-mass spectrometry. European Physical Journal D, 2014, 68, 1.	1.3	4
23	Behaviour of amorphous silicon carbide in Au/a-SiC/Si heterostructures prepared by PECVD technology using two different RF modes. Applied Surface Science, 2013, 269, 143-147.	6.1	4
24	Electron impact excitation of methane: determination of appearance energies for dissociation products. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 045203.	1.5	21
25	Current transport mechanisms of amorphous n-doped silicon carbide/crystalline silicon heterostructure: Impact of nitrogen dopation. , 2012, , .		0
26	Nitrogen second positive system studied by electron induced fluorescence. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 76-79.	1.4	17
27	Influence of the Outer Electrode Material on Ozone Generation in Corona Discharges. Plasma Chemistry and Plasma Processing, 2010, 30, 43-53.	2.4	11
28	Mass spectrometric study of negative ions extracted from point to plane negative corona discharge in ambient air at atmospheric pressure. International Journal of Mass Spectrometry, 2008, 272, 12-21.	1.5	62
29	A mass spectrometric study of ions extracted from point to plane DC corona discharge fed by carbon dioxide at atmospheric pressure. International Journal of Mass Spectrometry, 2008, 277, 210-214.	1.5	11
30	Positive and negative corona discharges in flowing carbon dioxide. Journal Physics D: Applied Physics, 2008, 41, 175211.	2.8	7
31	Ozone generation in positive and negative corona discharge fed by humid oxygen and carbon dioxide. Physica Scripta, 2008, T131, 014012.	2.5	9
32	Positive dc corona between coaxial electrodes in mixtures of carbon dioxide and oxygen. Physica Scripta, 2008, T131, 014014.	2.5	0
33	A mass spectrometric study of ions extracted from a point-to-plane dc corona discharge in N2O at atmospheric pressure. Journal Physics D: Applied Physics, 2008, 41, 085202.	2.8	5
34	The Mass Spectrometric Analysis of Negative Ions Extracted from Point-to-Plane Negative Corona Discharge in Ambient Air.. AIP Conference Proceedings, 2008, , .	0.4	1
35	A Study of the Physical and Chemical Processes Active in Corona Discharges Fed by Carbon Dioxide. Ozone: Science and Engineering, 2008, 30, 145-151.	2.5	2
36	A Study of the Physical and Chemical Processes Active in Ozone Generation by Carbon Dioxide Fed Corona Discharges. Ozone: Science and Engineering, 2007, 29, 399-404.	2.5	4

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37	The role of water and oxygen impurities on ozone production in a negative corona discharge of CO₂. Journal Physics D: Applied Physics, 2007, 40, 6646-6650.	2.8	6
38	Ozone Formation in a Coaxial DC Corona Discharge under Carbon Dioxide Gas Flow. Plasma Processes and Polymers, 2007, 4, 694-700.	3.0	8