

# Juraj Országh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150
2	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
3	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
4	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
5	Neutron spectroscopy measurements of 14 MeV neutrons at unprecedented energy resolution and implications for deuterium-tritium fusion plasma diagnostics. Measurement Science and Technology, 2018, 29, 045502.	2.6	35
6	14 MeV calibration of JET neutron detectors phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
7	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
8	Role of NH <sub>3</sub> in the Electron-Induced Reactions of Adsorbed and Solid Cisplatin. Journal of Physical Chemistry C, 2016, 120, 4112-4120.	3.1	18
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	Nitrogen second positive system studied by electron induced fluorescence. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 76-79.	1.4	17
11	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
12	Influence of the Outer Electrode Material on Ozone Generation in Corona Discharges. Plasma Chemistry and Plasma Processing, 2010, 30, 43-53.	2.4	11
13	Dissociative excitation study of iron pentacarbonyl molecule. European Physical Journal D, 2015, 69, 1.	1.3	10
14	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
15	Ozone generation in positive and negative corona discharge fed by humid oxygen and carbon dioxide. Physica Scripta, 2008, T131, 014012.	2.5	9
16	Dissociative Excitation of Acetylene Induced by Electron Impact: Excitation-emission Cross-sections. Astrophysical Journal, 2017, 841, 17.	4.5	9
17	Diagnostics of Collisions between Electrons and Water Molecules in Near-ultraviolet and Visible Wavelengths. Astrophysical Journal, 2019, 885, 167.	4.5	9
18	Ozone Formation in a Coaxial DC Corona Discharge under Carbon Dioxide Gas Flow. Plasma Processes and Polymers, 2007, 4, 694-700.	3.0	8

#	ARTICLE	IF	CITATIONS
19	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8
20	Positive and negative corona discharges in flowing carbon dioxide. Journal Physics D: Applied Physics, 2008, 41, 175211.	2.8	7
21	Improved neutron activation dosimetry for fusion. Fusion Engineering and Design, 2019, 139, 109-114.	1.9	7
22	The role of water and oxygen impurities on ozone production in a negative corona discharge of CO <sub>2</sub> . Journal Physics D: Applied Physics, 2007, 40, 6646-6650.	2.8	6
23	A mass spectrometric study of ions extracted from a point-to-plane dc corona discharge in N <sub>2</sub> O at atmospheric pressure. Journal Physics D: Applied Physics, 2008, 41, 085202.	2.8	5
24	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
25	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
26	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
27	Electron induced fluorescence of the H <sub>2</sub> molecule's Balmer lines and Fulcher system. Plasma Sources Science and Technology, 2016, 25, 065007.	3.1	4
28	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
29	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
30	Dissociative Excitation of Nitromethane Induced by Electron Impact in the Ultraviolet to Visible Spectrum. ChemPhysChem, 2022, 23, e202100705.	2.1	3
31	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
32	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
33	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
34	Positive dc corona between coaxial electrodes in mixtures of carbon dioxide and oxygen. Physica Scripta, 2008, T131, 014014.	2.5	0
35	Current transport mechanisms of amorphous n-doped silicon carbide/crystalline silicon heterostructure: Impact of nitrogen dopation. , 2012, , .		0
36	Electron impact study of H <sub>2</sub> and D <sub>2</sub> continuum radiation. Journal of Physics: Conference Series, 2017, 875, 062050.	0.4	0

#	ARTICLE	IF	CITATIONS
37	Absolute excitation-emission cross section of electron induced argon excitation. Journal of Physics: Conference Series, 2017, 875, 052023.	0.4	0
38	Electron Induced Emission of Nitrous Oxide in the UV-VIS Spectral Range. Plasma Physics and Technology, 2020, 7, 36-42.	0.3	0