

# Stefan Matejcik

## List of Publications by Year in descending order

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Version: 2024-02-01

603  
papers

11,677  
citations

41344

49  
h-index

102487

66  
g-index

613  
all docs

613  
docs citations

613  
times ranked

5399  
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art in dissociative electron attachment spectroscopy and its prospects. <i>Physics-Uspekhi</i> , 2022, 65, 163-188.	2.2	15
2	Dissociative Excitation of Nitromethane Induced by Electron Impact in the Ultraviolet & Visible Spectrum. <i>ChemPhysChem</i> , 2022, 23, e202100705.	2.1	3
3	An atmospheric pressure field effect ionisation source for ion mobility spectrometry. <i>Analytical Methods</i> , 2022, 14, 1406-1413.	2.7	0
4	Effect of ion source polarity and dopants on the detection of auxin plant hormones by ion mobility-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6259-6269.	3.7	1
5	Transport Characteristics of the Electrification and Lightning of the Gas Mixture Representing the Atmospheres of the Solar System Planets. <i>Atmosphere</i> , 2021, 12, 438.	2.3	2
6	Application of multi-component fluid model in studies of the origin of skin burns during electrosurgical procedures. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, 24, 1-10.	1.6	0
7	Monitoring of nonthermal plasma degradation of phthalates by ion mobility spectrometry. <i>Plasma Processes and Polymers</i> , 2021, 18, 2100032.	3.0	3
8	Efficient GPU implementation of the Particle-in-Cell/Monte-Carlo collisions method for 1D simulation of low-pressure capacitively coupled plasmas. <i>Computer Physics Communications</i> , 2021, 263, 107913.	7.5	18
9	Study of atmospheric pressure chemical ionization of phthalates in air by ion mobility spectrometry/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9145.	1.5	1
10	Finite Element Analysis of the Microwave Ablation Method for Enhanced Lung Cancer Treatment. <i>Cancers</i> , 2021, 13, 3500.	3.7	19
11	Low Energy Electron Attachment by Some Chlorosilanes. <i>Molecules</i> , 2021, 26, 4973.	3.8	0
12	Vacuum breakdown in microgaps between stainless-steel electrodes powered by direct-current and pulsed electric field. <i>Vacuum</i> , 2021, 191, 110327.	3.5	4
13	Development of Microchip Isotachopheresis Coupled with Ion Mobility Spectrometry and Evaluation of Its Potential for the Analysis of Food, Biological and Pharmaceutical Samples. <i>Molecules</i> , 2021, 26, 6094.	3.8	2
14	Analysis of positional isomers of 2-3-4-alkoxyphenylcarbamic acid derivatives by a combination of TLC and IMS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1184, 122970.	2.3	0
15	Online coupling of microchip electrophoresis with ion mobility spectrometry for direct analysis of complex liquid samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127183.	7.8	7
16	Fast quantification of whisky lactone in oak wood by ion mobility spectrometer. <i>Talanta</i> , 2020, 209, 120567.	5.5	5
17	Comparison of two cold atmospheric pressure plasma jet configurations in argon. <i>Contributions To Plasma Physics</i> , 2020, 60, e201900127.	1.1	17
18	Atmospheric Pressure Chemical Ionisation study of selected Volatile Organic Compounds (VOCs) by Ion Mobility Spectrometry coupled with orthogonal acceleration Time Of Flight Mass Spectrometry. <i>International Journal of Mass Spectrometry</i> , 2020, 449, 116275.	1.5	10

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19	Ion chemistry of phthalates in selected ion flow tube mass spectrometry: isomeric effects and secondary reactions with water vapour. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16345-16352.	2.8	3
20	Online detection and measurement of elemental mercury vapor by ion mobility spectrometry with chloroform dopant. <i>Journal of Chromatography A</i> , 2020, 1634, 461676.	3.7	4
21	Step-scan Michelson Fourier-transform spectrometer for optical emission spectroscopy in UV-VIS spectral range. <i>Review of Scientific Instruments</i> , 2020, 91, 033102.	1.3	2
22	Electron ionization and photoionization of cyclopropylamine. <i>International Journal of Mass Spectrometry</i> , 2020, 455, 116390.	1.5	0
23	Determination of nitrites and nitrates in plasma-activated deionized water by microchip capillary electrophoresis. <i>Contributions To Plasma Physics</i> , 2020, 60, e202000014.	1.1	14
24	Electron Induced Emission of Nitrous Oxide in the UV-VIS Spectral Range. <i>Plasma Physics and Technology</i> , 2020, 7, 36-42.	0.3	0
25	Measuring fast ions in fusion plasmas with neutron diagnostics at JET. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014027.	2.1	23
26	Novel method for determination of tritium depth profiles in metallic samples. <i>Nuclear Fusion</i> , 2019, 59, 106006.	3.5	2
27	A power-balance model of the density limit in fusion plasmas: application to the L-mode tokamak. <i>Nuclear Fusion</i> , 2019, 59, 126011.	3.5	15
28	Modification of the Alfvén wave spectrum by pellet injection. <i>Nuclear Fusion</i> , 2019, 59, 106031.	3.5	3
29	Isotope identity experiments in JET-ILW with H and D L-mode plasmas. <i>Nuclear Fusion</i> , 2019, 59, 076028.	3.5	31
30	Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. <i>Nuclear Fusion</i> , 2019, 59, 076038.	3.5	43
31	A new mechanism for increasing density peaking in tokamaks: improvement of the inward particle pinch with edge $E \times B$ shearing. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 104002.	2.1	12
32	Ion cyclotron resonance heating scenarios for DEMO. <i>Nuclear Fusion</i> , 2019, 59, 106051.	3.5	14
33	Erosion, screening, and migration of tungsten in the JET divertor. <i>Nuclear Fusion</i> , 2019, 59, 096035.	3.5	60
34	Role of fast ion pressure in the isotope effect in JET L-mode plasmas. <i>Nuclear Fusion</i> , 2019, 59, 096030.	3.5	22
35	Direct gyrokinetic comparison of pedestal transport in JET with carbon and ITER-like walls. <i>Nuclear Fusion</i> , 2019, 59, 086056.	3.5	53
36	EDGE2D-EIRENE simulations of the influence of isotope effects and anomalous transport coefficients on near scrape-off layer radial electric field. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 075010.	2.1	11

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37	First principles and integrated modelling achievements towards trustful fusion power predictions for JET and ITER. Nuclear Fusion, 2019, 59, 086047.	3.5	36
38	Control of the hydrogen:deuterium isotope mixture using pellets in JET. Nuclear Fusion, 2019, 59, 106047.	3.5	6
39	Deep neural networks for plasma tomography with applications to JET and COMPASS. Journal of Instrumentation, 2019, 14, C09011-C09011.	1.2	6
40	Synthetic diagnostic for the JET scintillator probe lost alpha measurements. Journal of Instrumentation, 2019, 14, C09018-C09018.	1.2	0
41	Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. Physics of Plasmas, 2019, 26, .	1.9	26
42	Interpretative and predictive modelling of Joint European Torus collisionality scans. Plasma Physics and Controlled Fusion, 2019, 61, 115004.	2.1	4
43	Gyrokinetic analysis and simulation of pedestals to identify the culprits for energy losses using "fingerprints"™. Nuclear Fusion, 2019, 59, 096001.	3.5	76
44	A machine learning approach based on generative topographic mapping for disruption prevention and avoidance at JET. Nuclear Fusion, 2019, 59, 106017.	3.5	36
45	Recurrence Plots for Dynamic Analysis of Type-I ELMs at JET With a Carbon Wall. IEEE Transactions on Plasma Science, 2019, 47, 1871-1877.	1.3	3
46	Modelling of tungsten erosion and deposition in the divertor of JET-ILW in comparison to experimental findings. Nuclear Materials and Energy, 2019, 18, 239-244.	1.3	24
47	A locked mode indicator for disruption prediction on JET and ASDEX upgrade. Fusion Engineering and Design, 2019, 138, 254-266.	1.9	8
48	Experimental characterisation of atmospheric pressure electron gun. International Journal of Mass Spectrometry, 2019, 439, 34-41.	1.5	3
49	The software and hardware architecture of the real-time protection of in-vessel components in JET-ILW. Nuclear Fusion, 2019, 59, 076016.	3.5	9
50	Impact of fast ions on density peaking in JET: fluid and gyrokinetic modeling. Plasma Physics and Controlled Fusion, 2019, 61, 075008.	2.1	3
51	Geodesic acoustic mode evolution in L-mode approaching the "H transition on JET. Plasma Physics and Controlled Fusion, 2019, 61, 075007.	2.1	6
52	Multiphysics approach to plasma neutron source modelling at the JET tokamak. Nuclear Fusion, 2019, 59, 096020.	3.5	12
53	Dynamic modelling of local fuel inventory and desorption in the whole tokamak vacuum vessel for auto-consistent plasma-wall interaction simulations. Nuclear Materials and Energy, 2019, 19, 550-557.	1.3	12
54	Energetic ion losses "channeling"™ mechanism and strategy for mitigation. Plasma Physics and Controlled Fusion, 2019, 61, 084008.	2.1	1

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55	Beryllium global erosion and deposition at JET-ILW simulated with ERO2.0. Nuclear Materials and Energy, 2019, 18, 331-338.	1.3	36
56	Scenario development for D <sup>e</sup> T operation at JET. Nuclear Fusion, 2019, 59, 076037.	3.5	46
57	Diagnostic of fast-ion energy spectra and densities in magnetized plasmas. Journal of Instrumentation, 2019, 14, C05019-C05019.	1.2	12
58	Modelling of the effect of ELMs on fuel retention at the bulk W divertor of JET. Nuclear Materials and Energy, 2019, 19, 397-402.	1.3	7
59	Isomer and conformer selective atmospheric pressure chemical ionisation of dimethyl phthalate. Physical Chemistry Chemical Physics, 2019, 21, 13679-13685.	2.8	8
60	Simulation of neutron emission in neutral beam injection heated plasmas with the real-time code RABBIT. Nuclear Fusion, 2019, 59, 086002.	3.5	8
61	Overview of the JET preparation for deuterium-tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	3.5	87
62	A wall-aligned grid generator for non-linear simulations of MHD instabilities in tokamak plasmas. Computer Physics Communications, 2019, 243, 41-50.	7.5	10
63	Comparison of the structure of the plasma-facing surface and tritium accumulation in beryllium tiles from JET ILW campaigns 2011-2012 and 2013-2014. Nuclear Materials and Energy, 2019, 19, 131-136.	1.3	7
64	RF sheath modeling of experimentally observed plasma surface interactions with the JET ITER-Like Antenna. Nuclear Materials and Energy, 2019, 19, 324-329.	1.3	5
65	An assessment of nitrogen concentrations from spectroscopic measurements in the JET and ASDEX upgrade divertor. Nuclear Materials and Energy, 2019, 18, 147-152.	1.3	8
66	Beryllium melting and erosion on the upper dump plates in JET during three ITER-like wall campaigns. Nuclear Fusion, 2019, 59, 086009.	3.5	45
67	Improved ERO modelling of beryllium erosion at ITER upper first wall panel using JET-ILW and PISCES-B experience. Nuclear Materials and Energy, 2019, 19, 510-515.	1.3	15
68	Adaptive learning for disruption prediction in non-stationary conditions. Nuclear Fusion, 2019, 59, 086037.	3.5	27
69	On a fusion born triton effect in JET deuterium discharges with H-minority ion cyclotron range of frequencies heating. Nuclear Fusion, 2019, 59, 064001.	3.5	4
70	COREDIV numerical simulation of high neutron rate JET-ILW DD pulses in view of extension to JET-ILW DT experiments. Nuclear Fusion, 2019, 59, 056026.	3.5	4
71	Effect of Basicity and Structure on the Hydration of Protonated Molecules, Proton-Bound Dimer and Cluster Formation: An Ion Mobility-Time of Flight Mass Spectrometry and Theoretical Study. Journal of the American Society for Mass Spectrometry, 2019, 30, 1242-1253.	2.8	12
72	The effect of beryllium oxide on retention in JET ITER-like wall tiles. Nuclear Materials and Energy, 2019, 19, 346-351.	1.3	15

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73	Deposition of impurity metals during campaigns with the JET ITER-like Wall. Nuclear Materials and Energy, 2019, 19, 218-224.	1.3	23
74	Investigation of deuterium trapping and release in the JET ITER-like wall divertor using TDS and TMAP. Nuclear Materials and Energy, 2019, 19, 166-178.	1.3	18
75	Investigation of deuterium trapping and release in the JET divertor during the third ILW campaign using TDS. Nuclear Materials and Energy, 2019, 19, 300-306.	1.3	11
76	First mirror test in JET for ITER: Complete overview after three ILW campaigns. Nuclear Materials and Energy, 2019, 19, 59-66.	1.3	24
77	Fast ion synergistic effects in JET high performance pulses. Nuclear Fusion, 2019, 59, 056005.	3.5	15
78	Application of Gaussian process regression to plasma turbulent transport model validation via integrated modelling. Nuclear Fusion, 2019, 59, 056007.	3.5	39
79	Approximate analytic expressions using Stokes model for tokamak polarimetry and their range of validity. Plasma Physics and Controlled Fusion, 2019, 61, 055008.	2.1	5
80	Radial variation of heat transport in L-mode JET discharges. Nuclear Fusion, 2019, 59, 056006.	3.5	3
81	Long-lived coupled peeling ballooning modes preceding ELMs on JET. Nuclear Fusion, 2019, 59, 056004.	3.5	11
82	Diagnostics of Collisions between Electrons and Water Molecules in Near-ultraviolet and Visible Wavelengths. Astrophysical Journal, 2019, 885, 167.	4.5	9
83	Micro ion beam analysis for the erosion of beryllium marker tiles in a tokamak limiter. Nuclear Instruments & Methods in Physics Research B, 2019, 450, 200-204.	1.4	1
84	Impact of ICRF on the scrape-off layer and on plasma wall interactions: From present experiments to fusion reactor. Nuclear Materials and Energy, 2019, 18, 131-140.	1.3	34
85	Study of Atmospheric Pressure Chemical Ionization Mechanism in Corona Discharge Ion Source with and without $\text{NH}_3$ Dopant by Ion Mobility Spectrometry combined with Mass Spectrometry: A Theoretical and Experimental Study. Journal of Physical Chemistry A, 2019, 123, 313-322.	2.5	31
86	Gyrokinetic simulations of toroidal Alfvén eigenmodes excited by energetic ions and external antennas on the Joint European Torus. Nuclear Fusion, 2019, 59, 026008.	3.5	7
87	Material migration and fuel retention studies during the JET carbon divertor campaigns. Fusion Engineering and Design, 2019, 138, 78-108.	1.9	25
88	Determination of tungsten sources in the JET-ILW divertor by spectroscopic imaging in the presence of a strong plasma continuum. Nuclear Materials and Energy, 2019, 18, 118-124.	1.3	16
89	Full-orbit and drift calculations of fusion product losses due to explosive fishbones on JET. Nuclear Fusion, 2019, 59, 016004.	3.5	9
90	Current Research into Applications of Tomography for Fusion Diagnostics. Journal of Fusion Energy, 2019, 38, 458-466.	1.2	33

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91	Runaway electron beam control. Plasma Physics and Controlled Fusion, 2019, 61, 014036.	2.1	26
92	Testing of tritium breeder blanket activation foil spectrometer during JET operations. Fusion Engineering and Design, 2018, 136, 258-264.	1.9	7
93	Adaptive predictors based on probabilistic SVM for real time disruption mitigation on JET. Nuclear Fusion, 2018, 58, 056002.	3.5	44
94	Scenario development for the observation of alpha-driven instabilities in JET DT plasmas. Nuclear Fusion, 2018, 58, 082005.	3.5	34
95	Characterisation of neutron generators and monitoring detectors for the in-vessel calibration of JET. Fusion Engineering and Design, 2018, 136, 233-238.	1.9	5
96	Multi-machine analysis of termination scenarios with comparison to simulations of controlled shutdown of ITER discharges. Nuclear Fusion, 2018, 58, 026019.	3.5	20
97	Sub-millisecond electron density profile measurement at the JET tokamak with the fast lithium beam emission spectroscopy system. Review of Scientific Instruments, 2018, 89, 043509.	1.3	14
98	Non-Maxwellian fast particle effects in gyrokinetic GENE simulations. Physics of Plasmas, 2018, 25, .	1.9	29
99	On the potential of ruled-based machine learning for disruption prediction on JET. Fusion Engineering and Design, 2018, 130, 62-68.	1.9	10
100	Dissociative electron attachment and electronic excitation in Fe(CO) <sub>5</sub> . Physical Chemistry Chemical Physics, 2018, 20, 11692-11701.	2.8	40
101	MHD spectroscopy of JET plasmas with pellets via Alfvén eigenmodes. Nuclear Fusion, 2018, 58, 082008.	3.5	7
102	Real-time implementation with FPGA-based DAQ system of a probabilistic disruption predictor from scratch. Fusion Engineering and Design, 2018, 129, 179-182.	1.9	2
103	Evidence of $^9\text{Be} + \text{D} \rightarrow \text{He} + \text{n}$ nuclear reactions during 2% CH and hydrogen minority ICRH in JET-ILW hydrogen and deuterium plasmas. Nuclear Fusion, 2018, 58, 026033.	3.5	3
104	TAE stability calculations compared to TAE antenna results in JET. Nuclear Fusion, 2018, 58, 082007.	3.5	11
105	Divertor currents optimization procedure for JET-ILW high flux expansion experiments. Fusion Engineering and Design, 2018, 129, 115-119.	1.9	1
106	A multi-machine scaling of halo current rotation. Nuclear Fusion, 2018, 58, 016050.	3.5	18
107	Plasma-wall interaction on the divertor tiles of JET ITER-like wall from the viewpoint of micro/nanosopic observations. Fusion Engineering and Design, 2018, 136, 199-204.	1.9	5
108	High fusion performance at high $T_e$ / $T_i$ in JET-ILW baseline plasmas with high NBI heating power and low gas puffing. Nuclear Fusion, 2018, 58, 036020.	3.5	23

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109	Full-Pulse Tomographic Reconstruction with Deep Neural Networks. Fusion Science and Technology, 2018, 74, 47-56.	1.1	22
110	Correlation of the tokamak H-mode density limit with ballooning stability at the separatrix. Nuclear Fusion, 2018, 58, 034001.	3.5	57
111	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
112	Versatile fusion source integrator AFSI for fast ion and neutron studies in fusion devices. Nuclear Fusion, 2018, 58, 016023.	3.5	17
113	Light impurity transport in JET ILW L-mode plasmas. Nuclear Fusion, 2018, 58, 036009.	3.5	13
114	14 MeV calibration of JET neutron detectors phase 1: calibration and characterization of the neutron source. Nuclear Fusion, 2018, 58, 026012.	3.5	22
115	ERO modeling and sensitivity analysis of locally enhanced beryllium erosion by magnetically connected antennas. Nuclear Fusion, 2018, 58, 016046.	3.5	9
116	Modelling of JET DT experiments in ILW configurations. Contributions To Plasma Physics, 2018, 58, 739-745.	1.1	1
117	High-resolution tungsten spectroscopy relevant to the diagnostic of high-temperature tokamak plasmas. Physical Review A, 2018, 97, .	2.5	17
118	Bayesian Integrated Data Analysis of Fast-Ion Measurements by Velocity-Space Tomography. Fusion Science and Technology, 2018, 74, 23-36.	1.1	15
119	Modelling of the neutron production in a mixed beam DT neutron generator. Fusion Engineering and Design, 2018, 136, 1089-1093.	1.9	9
120	Analysis of possible improvement of the plasma performance in JET due to the inward spatial channelling of fast-ion energy. Nuclear Fusion, 2018, 58, 076012.	3.5	8
121	Control and data acquisition software upgrade for JET gamma-ray diagnostics. Fusion Engineering and Design, 2018, 128, 117-121.	1.9	4
122	Isotope effects on L-H threshold and confinement in tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014045.	2.1	98
123	Investigation into the formation of the scrape-off layer density shoulder in JET ITER-like wall L-mode and H-mode plasmas. Nuclear Fusion, 2018, 58, 056001.	3.5	38
124	High Z neoclassical transport: Application and limitation of analytical formulae for modelling JET experimental parameters. Physics of Plasmas, 2018, 25, .	1.9	14
125	Dust generation in tokamaks: Overview of beryllium and tungsten dust characterisation in JET with the ITER-like wall. Fusion Engineering and Design, 2018, 136, 579-586.	1.9	52
126	Experimental validation of an analytical kinetic model for edge-localized modes in JET-ITER-like wall. Nuclear Fusion, 2018, 58, 066006.	3.5	20



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127	ICRH antenna S-matrix measurements and plasma coupling characterisation at JET. Nuclear Fusion, 2018, 58, 046012.	3.5	5
128	First observation of the depolarization of Thomson scattering radiation by a fusion plasma. Nuclear Fusion, 2018, 58, 044003.	3.5	0
129	Escaping alpha-particle monitor for burning plasmas. Nuclear Fusion, 2018, 58, 082009.	3.5	3
130	Nonlinear dynamic analysis of $D_{\alpha}$ signals for type I edge localized modes characterization on JET with a carbon wall. Plasma Physics and Controlled Fusion, 2018, 60, 025010.	2.1	3
131	Test particles dynamics in the JOEUK 3D non-linear MHD code and application to electron transport in a disruption simulation. Nuclear Fusion, 2018, 58, 016043.	3.5	26
132	Analysis of ELM stability with extended MHD models in JET, JT-60U and future JT-60SA tokamak plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 014032.	2.1	17
133	Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. Nuclear Fusion, 2018, 58, 016021.	3.5	14
134	Equilibrium reconstruction in an iron core tokamak using a deterministic magnetisation model. Computer Physics Communications, 2018, 223, 1-17.	7.5	12
135	On the universality of power laws for tokamak plasma predictions. Plasma Physics and Controlled Fusion, 2018, 60, 025028.	2.1	8
136	Comparison of runaway electron generation parameters in small, medium-sized and large tokamaks – A survey of experiments in COMPASS, TCV, ASDEX-Upgrade and JET. Nuclear Fusion, 2018, 58, 016014.	3.5	12
137	Identification of BeO and BeOx/Dy in melted zones of the JET Be limiter tiles: Raman study using comparison with laboratory samples. Nuclear Materials and Energy, 2018, 17, 295-301.	1.3	20
138	Effect of the relative shift between the electron density and temperature pedestal position on the pedestal stability in JET-ILW and comparison with JET-C. Nuclear Fusion, 2018, 58, 056010.	3.5	38
139	On the Use of Transfer Entropy to Investigate the Time Horizon of Causal Influences between Signals. Entropy, 2018, 20, 627.	2.2	14
140	An improved model for the accurate calculation of parallel heat fluxes at the JET bulk tungsten outer divertor. Nuclear Fusion, 2018, 58, 106034.	3.5	6
141	Tritium retention characteristics in dust particles in JET with ITER-like wall. Nuclear Materials and Energy, 2018, 17, 279-283.	1.3	20
142	Shutdown dose rate measurements after the 2016 Deuterium-Deuterium campaign at JET. Fusion Engineering and Design, 2018, 136, 1348-1353.	1.9	5
143	Application of the VUV and the soft x-ray systems on JET for the study of intrinsic impurity behavior in neon seeded hybrid discharges. Review of Scientific Instruments, 2018, 89, 10D131.	1.3	4
144	3D non-linear MHD simulation of the MHD response and density increase as a result of shattered pellet injection. Nuclear Fusion, 2018, 58, 126025.	3.5	29

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145	Application of the Denovo Discrete Ordinates Radiation Transport Code to Large-Scale Fusion Neutronics. <i>Fusion Science and Technology</i> , 2018, 74, 303-314.	1.1	5
146	JET diagnostic enhancements testing and commissioning in preparation for DT scientific campaigns. <i>Review of Scientific Instruments</i> , 2018, 89, 10K119.	1.3	7
147	Dependence of the turbulent particle flux on hydrogen isotopes induced by collisionality. <i>Physics of Plasmas</i> , 2018, 25, 082517.	1.9	16
148	On the role of finite grid extent in SOLPS-ITER edge plasma simulations for JET H-mode discharges with metallic wall. <i>Nuclear Materials and Energy</i> , 2018, 17, 174-181.	1.3	8
149	Effects of nitrogen seeding on core ion thermal transport in JET ILW L-mode plasmas. <i>Nuclear Fusion</i> , 2018, 58, 026028.	3.5	17
150	Assessment of the baseline scenario at $\langle i \rangle q \sim 3$ for ITER. <i>Nuclear Fusion</i> , 2018, 58, 126010.	3.5	26
151	Heat flux analysis of Type-I ELM impact on a sloped, protruding surface in the JET bulk tungsten divertor. <i>Nuclear Materials and Energy</i> , 2018, 17, 182-187.	1.3	3
152	Determination of 2D poloidal maps of the intrinsic W density for transport studies in JET-ILW. <i>Review of Scientific Instruments</i> , 2018, 89, 113501.	1.3	13
153	Neutron emission spectroscopy of D plasmas at JET with a compact liquid scintillating neutron spectrometer. <i>Review of Scientific Instruments</i> , 2018, 89, 10I113.	1.3	8
154	Real-time-capable prediction of temperature and density profiles in a tokamak using RAPTOR and a first-principle-based transport model. <i>Nuclear Fusion</i> , 2018, 58, 096006.	3.5	41
155	The upgraded JET gamma-ray cameras based on high resolution/high count rate compact spectrometers. <i>Review of Scientific Instruments</i> , 2018, 89, 10I116.	1.3	21
156	OVERVIEW OF NEUTRON MEASUREMENTS IN JET FUSION DEVICE. <i>Radiation Protection Dosimetry</i> , 2018, 180, 102-108.	0.8	3
157	Instrumentation for the upgrade to the JET core charge-exchange spectrometers. <i>Review of Scientific Instruments</i> , 2018, 89, 10D113.	1.3	23
158	Propagating transport-code input parameter uncertainties with deterministic sampling. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 125010.	2.1	0
159	Synthetic spectra of BeH, BeD and BeT for emission modeling in JET plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 185701.	1.5	17
160	Assessment of the strength of kinetic effects of parallel electron transport in the SOL and divertor of JET high radiative H-mode plasmas using EDGE2D-EIRENE and KIPP codes. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 115011.	2.1	12
161	Development of a new compact gamma-ray spectrometer optimised for runaway electron measurements. <i>Review of Scientific Instruments</i> , 2018, 89, 10I134.	1.3	12
162	First principles of modelling the stabilization of microturbulence by fast ions. <i>Nuclear Fusion</i> , 2018, 58, 082024.	3.5	22

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163	Inter-ELM evolution of the edge current density in JET-ILW type I ELMy H-mode plasmas. Plasma Physics and Controlled Fusion, 2018, 60, 085003.	2.1	4
164	Impact of electron-scale turbulence and multi-scale interactions in the JET tokamak. Nuclear Fusion, 2018, 58, 124003.	3.5	23
165	Electron interaction with copper(II) carboxylate compounds. Beilstein Journal of Nanotechnology, 2018, 9, 384-398.	2.8	11
166	Equilibrium reconstruction at JET using Stokes model for polarimetry. Nuclear Fusion, 2018, 58, 106032.	3.5	20
167	Generation of a plasma neutron source for Monte Carlo neutron transport calculations in the tokamak JET. Fusion Engineering and Design, 2018, 136, 1047-1051.	1.9	9
168	Shutdown dose rate neutronics experiment during high performances DD operations at JET. Fusion Engineering and Design, 2018, 136, 1545-1549.	1.9	5
169	Observation of enhanced ion particle transport in mixed H/D isotope plasmas on JET. Nuclear Fusion, 2018, 58, 076022.	3.5	20
170	Analysis of plasma termination in the JET hybrid scenario. Nuclear Fusion, 2018, 58, 076027.	3.5	9
171	Maximum likelihood bolometric tomography for the determination of the uncertainties in the radiation emission on JET TOKAMAK. Review of Scientific Instruments, 2018, 89, 053504.	1.3	25
172	Activation material selection for multiple foil activation detectors in JET TT campaign. Fusion Engineering and Design, 2018, 136, 988-992.	1.9	3
173	Preparation for commissioning of materials detritiation facility at Culham Science Centre. Fusion Engineering and Design, 2018, 136, 1391-1395.	1.9	5
174	Fast H isotope and impurity mixing in ion-temperature-gradient turbulence. Nuclear Fusion, 2018, 58, 076028.	3.5	33
175	W transport and accumulation control in the termination phase of JET H-mode discharges and implications for ITER. Plasma Physics and Controlled Fusion, 2018, 60, 074008.	2.1	26
176	Neutral pathways and heat flux widths in vertical- and horizontal-target EDGE2D-EIRENE simulations of JET. Nuclear Fusion, 2018, 58, 096029.	3.5	19
177	Molecular ND Band Spectroscopy in the Divertor Region of Nitrogen Seeded JET Discharges. Journal of Physics: Conference Series, 2018, 959, 012009.	0.4	7
178	Analysis of the products of a negative corona discharge in a $N_2 \text{--} CH_4$ mixture with added $CO_2$ used as a laboratory mimic of a prebiotic atmosphere. Contributions To Plasma Physics, 2018, 58, 995-1004.	1.1	1
179	Activation Inventories after Exposure to DD/DT Neutrons in Safety Analysis of Nuclear Fusion Installations. Radiation Protection Dosimetry, 2018, 180, 125-128.	0.8	1
180	Review of recent experimental and modeling advances in the understanding of lower hybrid current drive in ITER-relevant regimes. Nuclear Fusion, 2018, 58, 095003.	3.5	16

#	ARTICLE	IF	CITATIONS
181	TLD calibration for neutron fluence measurements at JET fusion facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 202-213.	1.6	7
182	Activation of ITER materials in JET: nuclear characterisation experiments for the long-term irradiation station. Nuclear Fusion, 2018, 58, 096013.	3.5	17
183	A First Analysis of JET Plasma Profile-Based Indicators for Disruption Prediction and Avoidance. IEEE Transactions on Plasma Science, 2018, 46, 2691-2698.	1.3	31
184	Correlation of surface chemical states with hydrogen isotope retention in divertor tiles of JET with ITER-Like Wall. Fusion Engineering and Design, 2018, 132, 24-28.	1.9	15
185	Integrated modelling of H-mode pedestal and confinement in JET-ILW. Plasma Physics and Controlled Fusion, 2018, 60, 014042.	2.1	40
186	Dissociation of dicyclohexyl phthalate molecule induced by low-energy electron impact. Journal of Chemical Physics, 2018, 148, 214305.	3.0	3
187	14 MeV calibration of JET neutron detectorsâ€”phase 2: in-vessel calibration. Nuclear Fusion, 2018, 58, 106016.	3.5	20
188	Real-time protection of the JET ITER-like wall based on near infrared imaging diagnostic systems. Nuclear Fusion, 2018, 58, 106021.	3.5	14
189	Electron acceleration in a JET disruption simulation. Nuclear Fusion, 2018, 58, 106022.	3.5	21
190	Modelling of JET hybrid plasmas with emphasis on performance of combined ICRF and NBI heating. Nuclear Fusion, 2018, 58, 106037.	3.5	29
191	Observations and modelling of ion cyclotron emission observed in JET plasmas using a sub-harmonic arc detection system during ion cyclotron resonance heating. Nuclear Fusion, 2018, 58, 096020.	3.5	14
192	Scaling of the geodesic acoustic mode amplitude on JET. Plasma Physics and Controlled Fusion, 2018, 60, 085006.	2.1	5
193	First principle integrated modeling of multi-channel transport including Tungsten in JET. Nuclear Fusion, 2018, 58, 096003.	3.5	22
194	Alpha heating, isotopic mass, and fast ion effects in deuteriumâ€”tritium experiments. Nuclear Fusion, 2018, 58, 096011.	3.5	3
195	Thermal desorption spectrometry of beryllium plasma facing tiles exposed in the JET tokamak. Fusion Engineering and Design, 2018, 133, 135-141.	1.9	19
196	High Pressure Microdischarges in Argon Up to 50BAR. , 2018, , .		0
197	On the mechanisms governing gas penetration into a tokamak plasma during a massive gas injection. Nuclear Fusion, 2017, 57, 016027.	3.5	8
198	Calculations to support JET neutron yield calibration: Modelling of neutron emission from a compact DT neutron generator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 847, 199-204.	1.6	12

#	ARTICLE	IF	CITATIONS
199	High power neon seeded JET discharges: Experiments and simulations. Nuclear Materials and Energy, 2017, 12, 882-886.	1.3	13
200	Assessment of erosion, deposition and fuel retention in the JET-ILW divertor from ion beam analysis data. Nuclear Materials and Energy, 2017, 12, 559-563.	1.3	28
201	Beryllium film deposition in cavity samples in remote areas of the JET divertor during the 2011â€“2012 ITER-like wall campaign. Nuclear Materials and Energy, 2017, 12, 548-552.	1.3	14
202	Energy balance in JET. Nuclear Materials and Energy, 2017, 12, 227-233.	1.3	18
203	Possible influence of near SOL plasma on the H-mode power threshold. Nuclear Materials and Energy, 2017, 12, 273-277.	1.3	16
204	Progress in reducing ICRF-specific impurity release in ASDEX upgrade and JET. Nuclear Materials and Energy, 2017, 12, 1194-1198.	1.3	11
205	Gyrokinetic study of turbulent convection of heavy impurities in tokamak plasmas at comparable ion and electron heat fluxes. Nuclear Fusion, 2017, 57, 022009.	3.5	27
206	Progress in understanding disruptions triggered by massive gas injection via 3D non-linear MHD modelling with JOREK. Plasma Physics and Controlled Fusion, 2017, 59, 014006.	2.1	47
207	Studies of dust from JET with the ITER-Like Wall: Composition and internal structure. Nuclear Materials and Energy, 2017, 12, 582-587.	1.3	41
208	Plasma impact on diagnostic mirrors in JET. Nuclear Materials and Energy, 2017, 12, 506-512.	1.3	25
209	Hybrid cancellation of ripple disturbances arising in AC/DC converters. Automatica, 2017, 77, 344-352.	5.0	5
210	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. Plasma Physics and Controlled Fusion, 2017, 59, 035003.	2.1	27
211	ITER oriented neutronics benchmark experiments on neutron streaming and shutdown dose rate at JET. Fusion Engineering and Design, 2017, 123, 171-176.	1.9	20
212	Generation of the neutron response function of an NE213 scintillator for fusion applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 222-229.	1.6	5
213	Fundamental Properties of the High Pressure Hydrogen Microdischarges in Static and Time-Varying Electric Fields. IEEE Transactions on Plasma Science, 2017, 45, 913-917.	1.3	0
214	Recent progress in the quantitative validation of JOEKE simulations of ELMs in JET. Nuclear Fusion, 2017, 57, 076006.	3.5	25
215	Hardware architecture of the data acquisition and processing system for the JET Neutron Camera Upgrade (NCU) project. Fusion Engineering and Design, 2017, 123, 873-876.	1.9	9
216	Commissioning and first results of the reinstated JET ICRF ILA. Fusion Engineering and Design, 2017, 123, 285-288.	1.9	7

#	ARTICLE	IF	CITATIONS
217	Plasma edge and plasma-wall interaction modelling: Lessons learned from metallic devices. Nuclear Materials and Energy, 2017, 12, 3-17.	1.3	17
218	Impact of the JET ITER-like wall on H-mode plasma fueling. Nuclear Fusion, 2017, 57, 066024.	3.5	6
219	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	16.7	73
220	Dissociative Excitation of Acetylene Induced by Electron Impact: Excitation-emission Cross-sections. Astrophysical Journal, 2017, 841, 17.	4.5	9
221	Correlation analysis for energy losses, waiting times and durations of type I edge-localized modes in the Joint European Torus. Nuclear Fusion, 2017, 57, 036026.	3.5	3
222	Thermal analysis of protruding surfaces in the JET divertor. Nuclear Fusion, 2017, 57, 066009.	3.5	1
223	Ion cyclotron resonance heating for tungsten control in various JET H-mode scenarios. Plasma Physics and Controlled Fusion, 2017, 59, 055001.	2.1	32
224	Classification of ELM types in Joint European Torus based on global plasma parameters using discriminant analysis. Fusion Engineering and Design, 2017, 123, 717-721.	1.9	1
225	Upgrade of the tangential gamma-ray spectrometer beam-line for JET DT experiments. Fusion Engineering and Design, 2017, 123, 749-753.	1.9	11
226	Calculation of the profile-dependent neutron backscatter matrix for the JET neutron camera system. Fusion Engineering and Design, 2017, 123, 865-868.	1.9	4
227	The effect of the isotope on the H-mode density limit. Nuclear Fusion, 2017, 57, 086007.	3.5	9
228	The emissivity of W coatings deposited on carbon materials for fusion applications. Fusion Engineering and Design, 2017, 114, 192-195.	1.9	9
229	Micro-/nano-characterization of the surface structures on the divertor tiles from JET ITER-like wall. Fusion Engineering and Design, 2017, 116, 1-4.	1.9	14
230	Technical preparations for the in-vessel 14 MeV neutron calibration at JET. Fusion Engineering and Design, 2017, 117, 107-114.	1.9	10
231	The preparation of the Shutdown Dose Rate experiment for the next JET Deuterium-Tritium campaign. Fusion Engineering and Design, 2017, 123, 1039-1043.	1.9	7
232	Status of ITER material activation experiments at JET. Fusion Engineering and Design, 2017, 124, 1150-1155.	1.9	10
233	CeBr <sub>3</sub> -based detector for gamma-ray spectrometer upgrade at JET. Fusion Engineering and Design, 2017, 123, 986-989.	1.9	4
234	Expanding the role of impurity spectroscopy for investigating the physics of high-Z dissipative divertors. Nuclear Materials and Energy, 2017, 12, 91-99.	1.3	7

#	ARTICLE	IF	CITATIONS
235	Overview of the JET ITER-like wall divertor. Nuclear Materials and Energy, 2017, 12, 499-505.	1.3	46
236	Power exhaust by SOL and pedestal radiation at ASDEX Upgrade and JET. Nuclear Materials and Energy, 2017, 12, 111-118.	1.3	92
237	Main chamber wall plasma loads in JET-ITER-like wall at high radiated fraction. Nuclear Materials and Energy, 2017, 12, 234-240.	1.3	7
238	Structure, tritium depth profile and desorption from $\alpha$ -plasma-facing™ beryllium materials of ITER-Like-Wall at JET. Nuclear Materials and Energy, 2017, 12, 642-647.	1.3	14
239	The breakdown voltage characteristics of compressed ambient air microdischarges from direct current to 10.2 MHz. Plasma Sources Science and Technology, 2017, 26, 055023.	3.1	9
240	3D simulations of gas puff effects on edge plasma and ICRF coupling in JET. Nuclear Fusion, 2017, 57, 056042.	3.5	14
241	Determining the prediction limits of models and classifiers with applications for disruption prediction in JET. Nuclear Fusion, 2017, 57, 016024.	3.5	4
242	Comparative H-mode density limit studies in JET and AUG. Nuclear Materials and Energy, 2017, 12, 100-110.	1.3	13
243	The effect of lower hybrid waves on JET plasma rotation. Nuclear Fusion, 2017, 57, 034002.	3.5	6
244	Deep learning for plasma tomography using the bolometer system at JET. Fusion Engineering and Design, 2017, 114, 18-25.	1.9	34
245	Be ITER-like wall at the JET tokamak under plasma. Physica Scripta, 2017, T170, 014049.	2.5	4
246	Global and pedestal confinement and pedestal structure in dimensionless collisionality scans of low-triangularity H-mode plasmas in JET-ILW. Nuclear Fusion, 2017, 57, 016012.	3.5	22
247	Fuel inventory and deposition in castellated structures in JET-ILW. Nuclear Fusion, 2017, 57, 066027.	3.5	25
248	Velocity-space sensitivities of neutron emission spectrometers at the tokamaks JET and ASDEX Upgrade in deuterium plasmas. Review of Scientific Instruments, 2017, 88, 073506.	1.3	30
249	A tool to support the construction of reliable disruption databases. Fusion Engineering and Design, 2017, 125, 139-153.	1.9	12
250	Long-term fuel retention and release in JET ITER-Like Wall at ITER-relevant baking temperatures. Nuclear Fusion, 2017, 57, 086024.	3.5	25
251	On efficiency and interpretation of sawteeth pacing with on-axis ICRH modulation in JET. Nuclear Fusion, 2017, 57, 126057.	3.5	10
252	Towards self-consistent plasma modelisation in presence of neoclassical tearing mode and sawteeth: effects on transport coefficients. Plasma Physics and Controlled Fusion, 2017, 59, 125012.	2.1	2

#	ARTICLE	IF	CITATIONS
253	Transient induced tungsten melting at the Joint European Torus (JET). Physica Scripta, 2017, T170, 014013.	2.5	20
254	Evaluation of the plasma hydrogen isotope content by residual gas analysis at JET and AUG. Physica Scripta, 2017, T170, 014021.	2.5	6
255	Numerical analysis of ELM stability with rotation and ion diamagnetic drift effects in JET. Nuclear Fusion, 2017, 57, 126001.	3.5	11
256	Simulation of JET ITER-Like Wall pulses at high neon seeding rate. Nuclear Fusion, 2017, 57, 126021.	3.5	10
257	Studies of the pedestal structure and inter-ELM pedestal evolution in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 116012.	3.5	30
258	Real-time control of divertor detachment in H-mode with impurity seeding using Langmuir probe feedback in JET-ITER-like wall. Plasma Physics and Controlled Fusion, 2017, 59, 045001.	2.1	43
259	Investigation and plasma cleaning of first mirrors coated with relevant ITER contaminants: beryllium and tungsten. Nuclear Fusion, 2017, 57, 086019.	3.5	17
260	The global build-up to intrinsic ELM bursts and comparison with pellet triggered ELMs seen in JET. Nuclear Fusion, 2017, 57, 022017.	3.5	3
261	Dynamics and stability of divertor detachment in H-mode plasmas on JET. Plasma Physics and Controlled Fusion, 2017, 59, 095003.	2.1	34
262	A 3D electromagnetic model of the iron core in JET. Fusion Engineering and Design, 2017, 123, 527-531.	1.9	3
263	Quartz micro-balance results of pulse-resolved erosion/deposition in the JET-ILW divertor. Nuclear Materials and Energy, 2017, 12, 478-482.	1.3	6
264	The isotope effect on divertor conditions and neutral pumping in horizontal divertor configurations in JET-ILW Ohmic plasmas. Nuclear Materials and Energy, 2017, 12, 791-797.	1.3	10
265	ELM divertor peak energy fluence scaling to ITER with data from JET, MAST and ASDEX upgrade. Nuclear Materials and Energy, 2017, 12, 84-90.	1.3	116
266	Surface composition and structure of divertor tiles following the JET tokamak operation with the ITER-like wall. Nuclear Fusion, 2017, 57, 076027.	3.5	13
267	Development of MPPC-based detectors for high count rate DT campaigns at JET. Fusion Engineering and Design, 2017, 123, 940-944.	1.9	5
268	Real time control developments at JET in preparation for deuterium-tritium operation. Fusion Engineering and Design, 2017, 123, 535-540.	1.9	7
269	Erosion at the inner wall of JET during the discharge campaign 2013-2014. Nuclear Materials and Energy, 2017, 11, 20-24.	1.3	12
270	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	3.5	150



#	ARTICLE	IF	CITATIONS
271	Response of the imaging cameras to hard radiation during JET operation. Fusion Engineering and Design, 2017, 123, 669-673.	1.9	9
272	Deuterium retention in the divertor tiles of JET ITER-Like wall. Nuclear Materials and Energy, 2017, 12, 655-661.	1.3	13
273	Gyrokinetic simulations of particle transport in pellet fuelled JET discharges. Plasma Physics and Controlled Fusion, 2017, 59, 105005.	2.1	2
274	Sawtooth pacing with on-axis ICRH modulation in JET-ILW. Nuclear Fusion, 2017, 57, 036027.	3.5	23
275	Impact of divertor geometry on H-mode confinement in the JET metallic wall. Nuclear Fusion, 2017, 57, 086025.	3.5	24
276	Overview of fuel inventory in JET with the ITER-like wall. Nuclear Fusion, 2017, 57, 086045.	3.5	47
277	Modelling of transitions between L- and H-mode in JET high plasma current plasmas and application to ITER scenarios including tungsten behaviour. Nuclear Fusion, 2017, 57, 086023.	3.5	22
278	Analysis of activation and damage of ITER material samples expected from DD/DT campaign at JET. Fusion Engineering and Design, 2017, 125, 307-313.	1.9	6
279	EDGE2D-EIRENE simulations of the impact of poloidal flux expansion on the radiative divertor performance in JET. Nuclear Materials and Energy, 2017, 12, 786-790.	1.3	3
280	Intra-ELM tungsten sputtering in JET ITER-like wall: analytical studies of Be impurity and ELM type influence. Physica Scripta, 2017, T170, 014065.	2.5	3
281	Challenges in the extrapolation from DD to DT plasmas: experimental analysis and theory based predictions for JET-DT. Plasma Physics and Controlled Fusion, 2017, 59, 014023.	2.1	33
282	Impurity re-distribution in the corner regions of the JET divertor. Physica Scripta, 2017, T170, 014060.	2.5	6
283	Experience on divertor fuel retention after two ITER-Like Wall campaigns. Physica Scripta, 2017, T170, 014063.	2.5	26
284	The near infrared imaging system for the real-time protection of the JET ITER-like wall. Physica Scripta, 2017, T170, 014027.	2.5	8
285	Activation measurements in support of the 14 MeV neutron calibration of JET neutron monitors. Fusion Engineering and Design, 2017, 125, 50-56.	1.9	11
286	MeV-range velocity-space tomography from gamma-ray and neutron emission spectrometry measurements at JET. Nuclear Fusion, 2017, 57, 056001.	3.5	52
287	Characterization of a compact $\text{LaBr}_3(\text{Ce})$ detector with Silicon photomultipliers at high 14 MeV neutron fluxes. Journal of Instrumentation, 2017, 12, C10007-C10007.	1.2	8
288	Fine metal dust particles on the wall probes from JET-ILW. Physica Scripta, 2017, T170, 014038.	2.5	22

#	ARTICLE	IF	CITATIONS
289	Statistical validation of predictive TRANSP simulations of baseline discharges in preparation for extrapolation to JET Dâ€™T. Nuclear Fusion, 2017, 57, 066032.	3.5	11
290	An analytical expression for ion velocities at the wall including the sheath electric field and surface biasing for erosion modeling at JET ILW. Nuclear Materials and Energy, 2017, 12, 341-345.	1.3	10
291	Recent progress towards a quantitative description of filamentary SOL transport. Nuclear Fusion, 2017, 57, 056044.	3.5	56
292	Axisymmetric oscillations at Lâ€™H transitions in JET: M-mode. Nuclear Fusion, 2017, 57, 022021.	3.5	29
293	Dimensionless scalings of confinement, heat transport and pedestal stability in JET-ILW and comparison with JET-C. Plasma Physics and Controlled Fusion, 2017, 59, 014014.	2.1	26
294	Field-emission enhanced breakdown in oxygen microdischarges from direct-current to radio-frequencies. Europhysics Letters, 2017, 120, 25002.	2.0	7
295	Impact of toroidal and poloidal mode spectra on the control of non-axisymmetric fields in tokamaks. Physics of Plasmas, 2017, 24, .	1.9	19
296	Dissociative electron attachment to 2,4,6-trichloroanisole and 2,4,6-tribromoanisole molecules. Journal of Chemical Physics, 2017, 147, 234302.	3.0	22
297	Tractable flux-driven temperature, density, and rotation profile evolution with the quasilinear gyrokinetic transport model QuaLiKiz. Plasma Physics and Controlled Fusion, 2017, 59, 124005.	2.1	57
298	Synthetic neutron camera and spectrometer in JET based on AFSI-ASCOT simulations. Journal of Instrumentation, 2017, 12, C09010-C09010.	1.2	7
299	Axisymmetric global AlfvÃ©n eigenmodes within the ellipticity-induced frequency gap in the Joint European Torus. Physics of Plasmas, 2017, 24, .	1.9	16
300	Metallic mirrors for plasma diagnosis in current and future reactors: tests for ITER and DEMO. Physica Scripta, 2017, T170, 014061.	2.5	12
301	First ERO2.0 modeling of Be erosion and non-local transport in JET ITER-like wall. Physica Scripta, 2017, T170, 014018.	2.5	27
302	Analyses of microstructure, composition and retention of hydrogen isotopes in divertor tiles of JET with the ITER-like wall. Physica Scripta, 2017, T170, 014031.	2.5	13
303	Mitigation of divertor heat loads by strike point sweeping in high power JET discharges. Physica Scripta, 2017, T170, 014040.	2.5	19
304	Dynamic power balance analysis in JET. Physica Scripta, 2017, T170, 014035.	2.5	2
305	Bayesian electron density inference from JET lithium beam emission spectra using Gaussian processes. Nuclear Fusion, 2017, 57, 036017.	3.5	16
306	Synthetic NPA diagnostic for energetic particles in JET plasmas. Journal of Instrumentation, 2017, 12, C11025-C11025.	1.2	4

#	ARTICLE	IF	CITATIONS
307	Comparison of JET AVDE disruption data with M3D simulations and implications for ITER. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	11
308	Erosion and deposition in the JET divertor during the second ITER-like wall campaign. <i>Physica Scripta</i> , 2017, T170, 014058.	2.5	27
309	Electron impact study of H2 and D2 continuum radiation. <i>Journal of Physics: Conference Series</i> , 2017, 875, 062050.	0.4	0
310	Detection of Causal Relations in Time Series Affected by Noise in Tokamaks Using Geodesic Distance on Gaussian Manifolds. <i>Entropy</i> , 2017, 19, 569.	2.2	7
311	Calibration of neutron detectors on the Joint European Torus. <i>Review of Scientific Instruments</i> , 2017, 88, 103505.	1.3	17
312	Self-consistent coupling of DSMC method and SOLPS code for modeling tokamak particle exhaust. <i>Nuclear Fusion</i> , 2017, 57, 066037.	3.5	6
313	Suppression of low-energy dissociative electron attachment in Fe(CO) <sub>5</sub> upon clustering. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2200-2207.	2.8	19
314	Absolute excitation-emission cross section of electron induced argon excitation. <i>Journal of Physics: Conference Series</i> , 2017, 875, 052023.	0.4	0
315	Gyrokinetic modeling of impurity peaking in JET H-mode plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	13
316	Tritium analysis of divertor tiles used in JET ITER-like wall campaigns by means of $\hat{I}^2$ -ray induced x-ray spectrometry. <i>Physica Scripta</i> , 2017, T170, 014014.	2.5	6
317	Time-resolved deposition in the remote region of the JET-ILW divertor: measurements and modelling. <i>Physica Scripta</i> , 2017, T170, 014059.	2.5	6
318	The "neutron deficit"™ in the JET tokamak. <i>Nuclear Fusion</i> , 2017, 57, 076029.	3.5	25
319	An FPGA-based bolometer for the MAST-U Super-X divertor. <i>Review of Scientific Instruments</i> , 2016, 87, 11E721.	1.3	10
320	Study of the triton-burnup process in different JET scenarios using neutron monitor based on CVD diamond. <i>Review of Scientific Instruments</i> , 2016, 87, 11D835.	1.3	9
321	Edge profile analysis of Joint European Torus (JET) Thomson scattering data: Quantifying the systematic error due to edge localised mode synchronisation. <i>Review of Scientific Instruments</i> , 2016, 87, 013507.	1.3	7
322	Bayesian modelling of the emission spectrum of the Joint European Torus Lithium Beam Emission Spectroscopy system. <i>Review of Scientific Instruments</i> , 2016, 87, 023501.	1.3	10
323	Characterisation of the deuterium recycling at the W divertor target plates in JET during steady-state plasma conditions and ELMs. <i>Physica Scripta</i> , 2016, T167, 014076.	2.5	27
324	Simulating the nitrogen migration in Be/W tokamaks with WallDYN. <i>Physica Scripta</i> , 2016, T167, 014079.	2.5	6

#	ARTICLE	IF	CITATIONS
325	Classification of JET Neutron and Gamma Emissivity Profiles. Journal of Instrumentation, 2016, 11, C05021-C05021.	1.2	0
326	Evaluation of Epsilon-Net Calculated Equilibrium Reconstruction Error Bars in the European Integrated Modeling Platform. Fusion Science and Technology, 2016, 69, 611-619.	1.1	0
327	Core fusion power gain and alpha heating in JET, TFTR, and ITER. Nuclear Fusion, 2016, 56, 056002.	3.5	5
328	Plasma confinement at JET. Plasma Physics and Controlled Fusion, 2016, 58, 014034.	2.1	28
329	Experimental estimation of tungsten impurity sputtering due to Type I ELMs in JET-ITER-like wall using pedestal electron cyclotron emission and target Langmuir probe measurements. Physica Scripta, 2016, T167, 014005.	2.5	31
330	Comparative gyrokinetic analysis of JET baseline H-mode core plasmas with carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2016, 58, 045021.	2.1	3
331	An Analytical Expression for the Electric Field and Particle Tracing in Modelling of Be Erosion Experiments at the JET ITER-like Wall. Contributions To Plasma Physics, 2016, 56, 640-645.	1.1	26
332	High performance detectors for upgraded gamma ray diagnostics for JET DT campaigns. Physica Scripta, 2016, 91, 064003.	2.5	18
333	ITER-like antenna capacitors voltage probes: Circuit/electromagnetic calculations and calibrations. Review of Scientific Instruments, 2016, 87, 104705.	1.3	6
334	First neutron spectroscopy measurements with a pixelated diamond detector at JET. Review of Scientific Instruments, 2016, 87, 11D833.	1.3	42
335	Gyrokinetic study of turbulence suppression in a JET-ILW power scan. Plasma Physics and Controlled Fusion, 2016, 58, 115005.	2.1	22
336	MHD marking using the MSE polarimeter optics in ILW JET plasmas. Review of Scientific Instruments, 2016, 87, 11E556.	1.3	0
337	Ion temperature and toroidal rotation in JET's low torque plasmas. Review of Scientific Instruments, 2016, 87, 11E557.	1.3	2
338	Benchmarking the GENE and GYRO codes through the relative roles of electromagnetic and $E \times B$ stabilization in JET high-performance discharges. Plasma Physics and Controlled Fusion, 2016, 58, 125018.	1.7	17
339	Deep deuterium retention and Be/W mixing at tungsten coated surfaces in the JET divertor. Physica Scripta, 2016, T167, 014061.	2.5	14
340	JET diagnostic enhancements in preparation for DT operations. Review of Scientific Instruments, 2016, 87, 11D443.	1.3	9
341	Melt damage to the JET ITER-like Wall and divertor. Physica Scripta, 2016, T167, 014070.	2.5	58
342	Comparison of dust transport modelling codes in a tokamak plasma. Physics of Plasmas, 2016, 23, 102506.	1.9	7

#	ARTICLE	IF	CITATIONS
343	Performance of the prototype LaBr3 spectrometer developed for the JET gamma-ray camera upgrade. Review of Scientific Instruments, 2016, 87, 11E717.	1.3	24
344	Gamma-ray spectroscopy at MHz counting rates with a compact LaBr3 detector and silicon photomultipliers for fusion plasma applications. Review of Scientific Instruments, 2016, 87, 11E714.	1.3	31
345	Neutron emission spectroscopy of DT plasmas at enhanced energy resolution with diamond detectors. Review of Scientific Instruments, 2016, 87, 11D822.	1.3	22
346	Response function of single crystal synthetic diamond detectors to 1-4 MeV neutrons for spectroscopy of D plasmas. Review of Scientific Instruments, 2016, 87, 11D823.	1.3	18
347	A classification scheme for edge-localized modes based on their probability distributions. Review of Scientific Instruments, 2016, 87, 11D404.	1.3	3
348	How to assess the efficiency of synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 076008.	3.5	14
349	Scaling of the frequencies of the type one edge localized modes and their effect on the tungsten source in JET ITER-like wall. Plasma Physics and Controlled Fusion, 2016, 58, 125014.	2.1	4
350	Extending helium partial pressure measurement technology to JET DTE2 and ITER. Review of Scientific Instruments, 2016, 87, 11D442.	1.3	10
351	Numerical calculations of non-inductive current driven by microwaves in JET. Plasma Physics and Controlled Fusion, 2016, 58, 125001.	2.1	3
352	Experimental investigation of geodesic acoustic modes on JET using Doppler backscattering. Nuclear Fusion, 2016, 56, 106026.	3.5	24
353	Technological exploitation of Deuterium-Tritium operations at JET in support of ITER design, operation and safety. Fusion Engineering and Design, 2016, 109-111, 278-285.	1.9	26
354	JET Tokamak, preparation of a safety case for tritium operations. Fusion Engineering and Design, 2016, 109-111, 1308-1312.	1.9	3
355	Nitrogen retention mechanisms in tokamaks with beryllium and tungsten plasma-facing surfaces. Physica Scripta, 2016, T167, 014077.	2.5	18
356	The Influence of CO2 Admixtures on the Product Composition in a Nitrogen-Methane Atmospheric Glow Discharge Used as a Prebiotic Atmosphere Mimic. Origins of Life and Evolution of Biospheres, 2016, 46, 499-506.	1.9	4
357	Neutronic analysis of JET external neutron monitor response. Fusion Engineering and Design, 2016, 109-111, 99-103.	1.9	5
358	Advanced design of the Mechanical Tritium Pumping System for JET DTE2. Fusion Engineering and Design, 2016, 109-111, 359-364.	1.9	10
359	The non-thermal origin of the tokamak low-density stability limit. Nuclear Fusion, 2016, 56, 056010.	3.5	5
360	Diagnostic application of magnetic islands rotation in JET. Nuclear Fusion, 2016, 56, 076004.	3.5	12

#	ARTICLE	IF	CITATIONS
361	Kinematic background discrimination methods using a fully digital data acquisition system for TOFOR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 838, 82-88.	1.6	3
362	Electron induced fluorescence of the H <sub>2</sub> molecule – Balmer lines and Fulcher system. Plasma Sources Science and Technology, 2016, 25, 065007.	3.1	4
363	Asymmetric toroidal eddy currents (ATEC) to explain sideways forces at JET. Nuclear Fusion, 2016, 56, 106010.	3.5	23
364	Quantitative aspects of microchip isotachopheresis for high precision determination of main components in pharmaceuticals. Analytical and Bioanalytical Chemistry, 2016, 408, 8669-8679.	3.7	8
365	A prototype fully digital data acquisition system upgrade for the TOFOR neutron spectrometer at JET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 94-104.	1.6	4
366	Sparse representation of signals: from astrophysics to real-time data analysis for fusion plasmas and system optimization analysis for ITER and TCV. Plasma Physics and Controlled Fusion, 2016, 58, 123001.	2.1	6
367	The role of MHD in causing impurity peaking in JET hybrid plasmas. Nuclear Fusion, 2016, 56, 066002.	3.5	37
368	Impact of divertor geometry on radiative divertor performance in JET H-mode plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 045011.	2.1	25
369	Stationary Zonal Flows during the Formation of the Edge Transport Barrier in the JET Tokamak. Physical Review Letters, 2016, 116, 065002.	7.8	64
370	Improved ERO modelling for spectroscopy of physically and chemically assisted eroded beryllium from the JET-ILW. Nuclear Materials and Energy, 2016, 9, 604-609.	1.3	17
371	Fast-ion energy resolution by one-step reaction gamma-ray spectrometry. Nuclear Fusion, 2016, 56, 046009.	3.5	31
372	Plasma turbulence measured with fast frequency swept reflectometry in JET H-mode plasmas. Nuclear Fusion, 2016, 56, 126019.	3.5	5
373	Characteristics of pre-ELM structures during ELM control experiment on JET with n=2 magnetic perturbations. Nuclear Fusion, 2016, 56, 092011.	3.5	0
374	Evaluation of reconstruction errors and identification of artefacts for JET gamma and neutron tomography. Review of Scientific Instruments, 2016, 87, 013502.	1.3	6
375	A generalized Abel inversion method for gamma-ray imaging of thermonuclear plasmas. Journal of Instrumentation, 2016, 11, C03001-C03001.	1.2	2
376	COREDIV and SOLPS Numerical Simulations of the Nitrogen Seeded JET ILW L-mode Discharges. Contributions To Plasma Physics, 2016, 56, 760-765.	1.1	6
377	Modelling of the JET DT Experiments in Carbon and ITER-like Wall Configurations. Contributions To Plasma Physics, 2016, 56, 766-771.	1.1	3
378	Effect of PFC Recycling Conditions on JET Pedestal Density. Contributions To Plasma Physics, 2016, 56, 754-759.	1.1	6

#	ARTICLE	IF	CITATIONS
379	Experience of handling beryllium, tritium and activated components from JET ITER like wall. Physica Scripta, 2016, T167, 014057.	2.5	18
380	Stabilization of sawteeth with third harmonic deuterium ICRF-accelerated beam in JET plasmas. Physics of Plasmas, 2016, 23, 012505.	1.9	4
381	Tritium distributions on tungsten and carbon tiles used in the JET divertor. Physica Scripta, 2016, T167, 014009.	2.5	10
382	Multi-machine scaling of the main SOL parallel heat flux width in tokamak limiter plasmas. Plasma Physics and Controlled Fusion, 2016, 58, 074005.	2.1	36
383	Thermo-mechanical properties of W/Mo markers coatings deposited on bulk W. Physica Scripta, 2016, T167, 014028.	2.5	2
384	In situ wavelength calibration of the edge CXS spectrometers on JET. Review of Scientific Instruments, 2016, 87, 11E525.	1.3	10
385	Laser desorption-ion mobility spectrometry as a useful tool for imaging of thin layer chromatography surface. Journal of Chromatography A, 2016, 1459, 145-151.	3.7	11
386	Global optimization driven by genetic algorithms for disruption predictors based on APODIS architecture. Fusion Engineering and Design, 2016, 112, 1014-1018.	1.9	6
387	Characterization of a diamond detector to be used as neutron yield monitor during the in-vessel calibration of JET neutron detectors in preparation of the DT experiment. Fusion Engineering and Design, 2016, 106, 93-98.	1.9	8
388	Neutronics experiments and analyses in preparation of DT operations at JET. Fusion Engineering and Design, 2016, 109-111, 895-905.	1.9	19
389	The role and application of ion beam analysis for studies of plasma-facing components in controlled fusion devices. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 4-11.	1.4	18
390	Non-linear MHD simulations of ELMs in JET and quantitative comparisons to experiments. Plasma Physics and Controlled Fusion, 2016, 58, 014026.	2.1	20
391	Deuterium trapping and release in JET ITER-like wall divertor tiles. Physica Scripta, 2016, T167, 014074.	2.5	20
392	X-ray micro-laminography for the <i>ex situ</i> analysis of W-CFC samples retrieved from JET ITER-like wall. Physica Scripta, 2016, T167, 014050.	2.5	1
393	Erosion and deposition in the JET divertor during the first ILW campaign. Physica Scripta, 2016, T167, 014051.	2.5	58
394	Core turbulent transport in tokamak plasmas: bridging theory and experiment with QuaLiKiz. Plasma Physics and Controlled Fusion, 2016, 58, 014036.	2.1	81
395	Real-time control of ELM and sawtooth frequencies: similarities and differences. Nuclear Fusion, 2016, 56, 016008.	3.5	7
396	Studies of Be migration in the JET tokamak using AMS with <sup>10</sup> Be marker. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 370-375.	1.4	12

#	ARTICLE	IF	CITATIONS
397	JET experiments with tritium and deuteriumâ€“tritium mixtures. Fusion Engineering and Design, 2016, 109-111, 925-936.	1.9	19
398	Deposition in the inner and outer corners of the JET divertor with carbon wall and metallic ITER-like wall. Physica Scripta, 2016, T167, 014052.	2.5	14
399	JET experience on managing radioactive waste and implications for ITER. Fusion Engineering and Design, 2016, 109-111, 979-985.	1.9	7
400	Radiation damage and nuclear heating studies in selected functional materials during the JET DT campaign. Fusion Engineering and Design, 2016, 109-111, 1011-1015.	1.9	13
401	Modelling of plasma-edge and plasmaâ€“wall interaction physics at JET with the metallic first-wall. Physica Scripta, 2016, T167, 014078.	2.5	2
402	Long-term fuel retention in JET ITER-like wall. Physica Scripta, 2016, T167, 014075.	2.5	52
403	Investigation on the erosion/deposition processes in the ITER-like wall divertor at JET using glow discharge optical emission spectrometry technique. Physica Scripta, 2016, T167, 014049.	2.5	6
404	Advances in understanding and utilising ELM control in JET. Plasma Physics and Controlled Fusion, 2016, 58, 014017.	2.1	7
405	Understanding the physics of ELM pacing via vertical kicks in JET in view of ITER. Nuclear Fusion, 2016, 56, 026001.	3.5	36
406	Scaling of the MHD perturbation amplitude required to trigger a disruption and predictions for ITER. Nuclear Fusion, 2016, 56, 026007.	3.5	51
407	Application of transfer entropy to causality detection and synchronization experiments in tokamaks. Nuclear Fusion, 2016, 56, 026006.	3.5	18
408	Raman microscopy investigation of beryllium materials. Physica Scripta, 2016, T167, 014027.	2.5	14
409	Risk Mitigation for ITER by a Prolonged and Joint International Operation of JET. Journal of Fusion Energy, 2016, 35, 85-93.	1.2	4
410	On determining the prediction limits of mathematical models for time series. Journal of Instrumentation, 2016, 11, C07013-C07013.	1.2	1
411	Influence of a plasma jet on the viability of <i>Candida albicans</i> . Open Chemistry, 2015, 13, .	1.9	4
412	The merits of ion cyclotron resonance heating schemes for sawtooth control in tokamak plasmas. Journal of Plasma Physics, 2015, 81, .	2.1	5
413	Experimental Validation of a Filament Transport Model in Turbulent Magnetized Plasmas. Physical Review Letters, 2015, 115, 215002.	7.8	89
414	Inferring divertor plasma properties from hydrogen Balmer and Paschen series spectroscopy in JET-ILW. Nuclear Fusion, 2015, 55, 123028.	3.5	40



#	ARTICLE	IF	CITATIONS
415	Fast ion energy distribution from third harmonic radio frequency heating measured with a single crystal diamond detector at the Joint European Torus. Review of Scientific Instruments, 2015, 86, 103501.	1.3	25
416	Three-dimensional non-linear magnetohydrodynamic modeling of massive gas injection triggered disruptions in JET. Physics of Plasmas, 2015, 22, .	1.9	45
417	Robust regression with CUDA and its application to plasma reflectometry. Review of Scientific Instruments, 2015, 86, 113507.	1.3	3
418	The global build-up to intrinsic edge localized mode bursts seen in divertor full flux loops in JET. Physics of Plasmas, 2015, 22, .	1.9	4
419	WEST Physics Basis. Nuclear Fusion, 2015, 55, 063017.	3.5	82
420	Runaway electron beam generation and mitigation during disruptions at JET-ILW. Nuclear Fusion, 2015, 55, 093013.	3.5	58
421	Discriminating the trapped electron modes contribution in density fluctuation spectra. Nuclear Fusion, 2015, 55, 093021.	3.5	33
422	Elementary processes with atoms and molecules in isolated and aggregated states. European Physical Journal D, 2015, 69, 1.	1.3	0
423	Trapped electron mode driven electron heat transport in JET: experimental investigation and gyro-kinetic theory validation. Nuclear Fusion, 2015, 55, 113016.	3.5	12
424	Pedestal confinement and stability in JET-ILW ELMy H-modes. Nuclear Fusion, 2015, 55, 113031.	3.5	82
425	First dust study in JET with the ITER-like wall: sampling, analysis and classification. Nuclear Fusion, 2015, 55, 113033.	3.5	51
426	Radiation asymmetries during the thermal quench of massive gas injection disruptions in JET. Nuclear Fusion, 2015, 55, 123027.	3.5	21
427	L to H mode transition: parametric dependencies of the temperature threshold. Nuclear Fusion, 2015, 55, 073015.	3.5	18
428	Transport analysis and modelling of the evolution of hollow density profiles plasmas in JET and implication for ITER. Nuclear Fusion, 2015, 55, 123001.	3.5	33
429	JET and COMPASS asymmetrical disruptions. Nuclear Fusion, 2015, 55, 113006.	3.5	40
430	Dual sightline measurements of MeV range deuterons with neutron and gamma-ray spectroscopy at JET. Nuclear Fusion, 2015, 55, 123026.	3.5	60
431	Conceptual Design of the Mechanical Tritium Pumping System for JET DTE2. Fusion Science and Technology, 2015, 68, 630-634.	1.1	4
432	Studies of the non-axisymmetric plasma boundary displacement in JET in presence of externally applied magnetic field. Plasma Physics and Controlled Fusion, 2015, 57, 104003.	2.1	2

#	ARTICLE	IF	CITATIONS
433	Atmospheric pressure glow discharge generated in nitrogen-methane gas mixture: PTR-MS analyzes of the exhaust gas. EPJ Applied Physics, 2015, 71, 20806.	0.7	4
434	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	3.5	50
435	On the interpretation of high-resolution x-ray spectra from JET with an ITER-like wall. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144028.	1.5	11
436	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023.	1.5	22
437	The study of thermal decomposition of RDX by corona discharge-ion mobility spectrometry-mass spectrometry. International Journal for Ion Mobility Spectrometry, 2015, 18, 59-66.	1.4	2
438	Free boundary equilibrium in 3D tokamaks with toroidal rotation. Nuclear Fusion, 2015, 55, 063032.	3.5	3
439	Neutron streaming along ducts and labyrinths at the JET biological shielding: Effect of concrete composition. Radiation Physics and Chemistry, 2015, 116, 359-364.	2.8	11
440	Key impact of finite-beta and fast ions in core and edge tokamak regions for the transition to advanced scenarios. Nuclear Fusion, 2015, 55, 053007.	3.5	56
441	Field emission driven direct current argon discharges and electrical breakdown mechanism across micron scale gaps. European Physical Journal D, 2015, 69, 1.	1.3	6
442	Breakdown mechanism in hydrogen microdischarges from direct-current to 13.56 MHz. Journal Physics D: Applied Physics, 2015, 48, 405204.	2.8	8
443	Beryllium migration in JET ITER-like wall plasmas. Nuclear Fusion, 2015, 55, 063021.	3.5	83
444	Turbulent transport analysis of JET H-mode and hybrid plasmas using QualiKiz and Trapped Gyro Landau Fluid. Plasma Physics and Controlled Fusion, 2015, 57, 035003.	2.1	7
445	WALLDYN simulations of global impurity migration in JET and extrapolations to ITER. Nuclear Fusion, 2015, 55, 053015.	3.5	67
446	Plasma isotopic changeover experiments in JET under carbon and ITER-like wall conditions. Nuclear Fusion, 2015, 55, 043021.	3.5	8
447	Benchmark experiments on neutron streaming through JET Torus Hall penetrations. Nuclear Fusion, 2015, 55, 053028.	3.5	29
448	Comparative analysis of core heat transport of JET high density H-mode plasmas in carbon wall and ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 065002.	2.1	6
449	Fragmentation of methylphenylsilane and trimethylphenylsilane: A combined theoretical and experimental study. International Journal of Mass Spectrometry, 2015, 385, 1-12.	1.5	2
450	Mass spectrometry of atmospheric pressure plasmas. Plasma Sources Science and Technology, 2015, 24, 044008.	3.1	54

#	ARTICLE	IF	CITATIONS
451	Integrated core“SOL”divertor modelling for ITER including impurity: effect of tungsten on fusion performance in H-mode and hybrid scenario. Nuclear Fusion, 2015, 55, 053032.	3.5	6
452	Direct Liquid Sampling for Corona Discharge Ion Mobility Spectrometry. Analytical Chemistry, 2015, 87, 7389-7394.	6.5	9
453	Improved confinement in JET high <sup>2</sup> plasmas with an ITER-like wall. Nuclear Fusion, 2015, 55, 053031.	3.5	79
454	The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas. Physics of Plasmas, 2015, 22, 055902.	1.9	49
455	Physics of Plasmas, 2015, 22, 056115.	1.9	37
456	Interactions of multiple reactant ions with 2,4,6-trinitrotoluene studied by corona discharge ion mobility-mass spectrometry. International Journal of Mass Spectrometry, 2015, 380, 12-20.	1.5	8
457	Electron-induced ionization and dissociative ionization of iron pentacarbonyl molecules. European Physical Journal D, 2015, 69, 1.	1.3	25
458	Dissociative excitation study of iron pentacarbonyl molecule. European Physical Journal D, 2015, 69, 1.	1.3	10
459	Gas Chromatography Analysis of Discharge Products in N <sub>2</sub> CH <sub>4</sub> Gas Mixture at Atmospheric Pressure: Study of Mimic Titan's Atmosphere. Contributions To Plasma Physics, 2015, 55, 470-480.	1.1	14
460	Influence of theE—drift in high recycling divertors on target asymmetries. Plasma Physics and Controlled Fusion, 2015, 57, 095002.	2.1	56
461	Ion target impact energy during Type I edge localized modes in JET ITER-like Wall. Plasma Physics and Controlled Fusion, 2015, 57, 085006.	2.1	44
462	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	3.5	21
463	Acetone and the precursor ligand acetylacetone: distinctly different electron beam induced decomposition?. Physical Chemistry Chemical Physics, 2015, 17, 1204-1216.	2.8	25
464	Ion mobility spectrometry—mass spectrometry studies of ion processes in air at atmospheric pressure and their application to thermal desorption of 2,4,6-trinitrotoluene. Plasma Sources Science and Technology, 2014, 23, 015025.	3.1	8
465	A semi-empirical expression for the first Townsend coefficient in strong electric fields. Europhysics Letters, 2014, 108, 65001.	2.0	2
466	Measurements of the volt-ampere characteristics and the breakdown voltages of direct-current helium and hydrogen discharges in microgaps. Physics of Plasmas, 2014, 21, 103503.	1.9	8
467	Dissociative electron attachment study to halocarbon-derivatives of nitro-benzene. International Journal of Mass Spectrometry, 2014, 365-366, 177-180.	1.5	2
468	Using corona discharge-ion mobility spectrometry for detection of 2,4,6-Trichloroanisole. Talanta, 2014, 127, 239-243.	5.5	10

#	ARTICLE	IF	CITATIONS
469	The Breakdown Phenomena in Micrometer Scale Direct-Current Gas Discharges. Plasma Chemistry and Plasma Processing, 2014, 34, 55-64.	2.4	40
470	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
471	Laser desorption with corona discharge ion mobility spectrometry for direct surface detection of explosives. Analyst, The, 2014, 139, 5112-5117.	3.5	12
472	An experimental and theoretical study of electron impact ionization and dissociative electron attachment to trimethyl borate. International Journal of Mass Spectrometry, 2014, 365-366, 157-162.	1.5	0
473	Dissociative electron attachment to hexafluoroacetylacetone and its bidentate metal complexes $M(\text{hfac})_2$ ; $M = \text{Cu}, \text{Pd}$ . Journal of Chemical Physics, 2013, 138, 234309.	3.0	30
474	Electron attachment to oxygen in nitrogen buffer gas at atmospheric pressure. European Physical Journal D, 2013, 67, 1.	1.3	10
475	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	3.5	70
476	The Role of the Field Emission Effect in the Breakdown Mechanism of Direct-Current Helium Discharges in Micrometer Gaps. Contributions To Plasma Physics, 2013, 53, 573-579.	1.1	10
477	A corona discharge atmospheric pressure chemical ionization source with selective $\text{NO}^+$ formation and its application for monoaromatic VOC detection. Analyst, The, 2013, 138, 6907.	3.5	24
478	The role of the field emission effect in direct-current argon discharges for the gaps ranging from 1 to $100\text{Å}\mu\text{m}$ . Journal Physics D: Applied Physics, 2013, 46, 015302.	2.8	47
479	Transport and stability of negative ions generated by negative corona discharge in air studied using ion mobility- $\text{oaTOF}$ spectrometry. International Journal of Mass Spectrometry, 2013, 334, 19-26.	1.5	28
480	Formations of negative ions in $\text{Sf}_{6}/\text{N}_2$ mixtures and their transport at atmospheric pressure. EPJ Applied Physics, 2013, 61, 24320.	0.7	7
481	An experimental and theoretical study on structural parameters and energetics in ionization and dissociation of cobalt tricarbonyl nitrosyl. International Journal of Mass Spectrometry, 2013, 356, 24-32.	1.5	13
482	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
483	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
484	Absolute cross sections for dissociative electron attachment and dissociative ionization of cobalt tricarbonyl nitrosyl in the energy range from 0 eV to 140 eV. Journal of Chemical Physics, 2013, 138, 044305.	3.0	51
485	Characterization of a Low-Cost Kilohertz-Driven Plasma Pen Operated in Ar Gas. IEEE Transactions on Plasma Science, 2013, 41, 613-619.	1.3	5
486	Analytical continuation in coupling constant method; application to the calculation of resonance energies and widths for organic molecules: Glycine, alanine and valine and dimer of formic acid. Chemical Physics, 2013, 418, 8-13.	1.9	15

#	ARTICLE	IF	CITATIONS
487	Toroidal Current Control in the Problem of Plasma Equilibrium Evolution. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1500-1505.	0.4	0
488	THE BREAKDOWN VOLTAGE CURVES IN DIRECT CURRENT MICRODISCHARGES IN MOLECULAR GASES. Modern Physics Letters B, 2012, 26, 1250122.	1.9	3
489	A New Method to Identify the Equilibria Compatible with the Measurements Using the Technique of the $\mu$ -Nets. Fusion Science and Technology, 2012, 62, 366-373.	1.1	3
490	Electron induced reactions in gas phase $\text{MeCpPtMe}_3$ and $\text{Pd}(\text{hfac})_2$ . Journal of Physics: Conference Series, 2012, 388, 052019.	0.4	3
491	Gas phase low energy electron induced decomposition of the focused electron beam induced deposition (FEBID) precursor trimethyl (methylcyclopentadienyl) platinum(IV) ( $\text{MeCpPtMe}_3$ ). Physical Chemistry Chemical Physics, 2012, 14, 14611.	2.8	52
492	Electrical breakdown and volt-ampere characteristics in water vapor in microgaps. Europhysics Letters, 2012, 99, 57001.	2.0	10
493	Corona Discharge Ion Mobility Spectrometry with Orthogonal Acceleration Time of Flight Mass Spectrometry for Monitoring of Volatile Organic Compounds. Analytical Chemistry, 2012, 84, 5327-5334.	6.5	51
494	Electron ionization and dissociation of aliphatic amino acids. Journal of Chemical Physics, 2012, 137, 105101.	3.0	21
495	Electron Ionization of Dimethylphenylsilane – Appearance Energies of Selected Ionic Fragments. Plasma Processes and Polymers, 2012, 9, 298-303.	3.0	1
496	Low energy electron interactions with tungsten hexacarbonyl $\text{W}(\text{CO})_6$ . Rapid Communications in Mass Spectrometry, 2012, 26, 2093-2098.	1.5	37
497	Electron ionization of $\text{W}(\text{CO})_6$ : Appearance energies. International Journal of Mass Spectrometry, 2012, 314, 42-48.	1.5	34
498	Dissociative electron attachment to the silane derivatives trichlorovinylsilane ( $\text{SiCl}_3\text{C}_2\text{H}_3$ ), tetravinylsilane ( $\text{Si}(\text{C}_2\text{H}_3)_4$ ) and trimethylvinylsilane ( $\text{Si}(\text{CH}_3)_3\text{C}_2\text{H}_3$ ). International Journal of Mass Spectrometry, 2012, 315, 40-45.	1.5	4
499	Breakdown voltage curves in direct current discharges in molecular gases at microgaps. Micro and Nano Letters, 2012, 7, 232.	1.3	14
500	The breakdown voltage characteristics, the effective secondary emission coefficient and the ionization coefficient of the argon-based mixtures. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 100-102.	1.4	3
501	Nitrogen second positive system studied by electron induced fluorescence. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 76-79.	1.4	17
502	Transport parameters and breakdown voltage characteristics of the dry air and its constituents. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 96-99.	1.4	8
503	The humidity effect on the breakdown voltage characteristics and the transport parameters of air. Nuclear Instruments & Methods in Physics Research B, 2012, 279, 103-105.	1.4	13
504	The breakdown voltage characteristics and the secondary electron production in direct current hydrogen discharges for the gaps ranging from 1 $\mu\text{m}$ to 100 $\mu\text{m}$ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1048-1052.	2.1	22

#	ARTICLE	IF	CITATIONS
505	Experimental and theoretical studies of the breakdown voltage characteristics at micrometre separations in air. <i>Europhysics Letters</i> , 2011, 95, 35002.	2.0	38
506	Ion Mobility Spectrometry for Monitoring High-Purity Oxygen. <i>Analytical Chemistry</i> , 2011, 83, 1985-1989.	6.5	11
507	Specific O <sub>2</sub> <sup>+</sup> generation in corona discharge for ion mobility spectrometry. <i>Talanta</i> , 2011, 85, 400-405.	5.5	24
508	Organic chemistry of NH <sub>3</sub> and HCN induced by an atmospheric abnormal glow discharge in N <sub>2</sub> -CH <sub>4</sub> mixtures. <i>EPJ Applied Physics</i> , 2011, 53, 11001.	0.7	15
509	Positive corona discharge ion source with IMS/MS to detect impurities in high purity Nitrogen. <i>EPJ Applied Physics</i> , 2011, 55, 13808.	0.7	16
510	Negative ion formation through dissociative electron attachment to GeH <sub>4</sub> : Comparative studies with CH <sub>4</sub> and SiH <sub>4</sub> . <i>International Journal of Mass Spectrometry</i> , 2011, 306, 51-56.	1.5	15
511	12th International Symposium on High Pressure, Low Temperature Plasma Chemistry (HAKONE XII). <i>EPJ Applied Physics</i> , 2011, 55, 13801.	0.7	1
512	Effect of small admixtures of N <sub>2</sub> , H <sub>2</sub> or O <sub>2</sub> on the electron drift velocity in argon: experimental measurements and calculations. <i>European Physical Journal D</i> , 2011, 65, 489-498.	1.3	7
513	Methane Decomposition Leading to Deposit Formation in a DC Positive CH <sub>4</sub> -N <sub>2</sub> Corona Discharge. <i>Plasma Chemistry and Plasma Processing</i> , 2011, 31, 327-335.	2.4	12
514	The Role of Dissociative Electron Attachment in Focused Electron Beam Induced Processing: A Case Study on Cobalt Tricarbonyl Nitrosyl. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9475-9477.	13.8	54
515	Cover Picture: The Role of Dissociative Electron Attachment in Focused Electron Beam Induced Processing: A Case Study on Cobalt Tricarbonyl Nitrosyl ( <i>Angew. Chem. Int. Ed.</i> 40/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9213-9213.	13.8	1
516	Rate constants of electron attachment to chlorobenzenes measured by atmospheric pressure nitrogen corona discharge electron attachment ion mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 305, 30-34.	1.5	11
517	Experimental and theoretical studies of the direct-current breakdown voltage in argon at micrometer separations. <i>Physica Scripta</i> , 2011, 83, 045503.	2.5	34
518	Analyses of substantially different plasma current densities and safety factors reconstructed from magnetic diagnostics data. <i>Nuclear Fusion</i> , 2011, 51, 103044.	3.5	13
519	Packed Bed DBD Discharge Experiments in Admixtures of N <sub>2</sub> and CH <sub>4</sub> . <i>Plasma Chemistry and Plasma Processing</i> , 2010, 30, 565-577.	2.4	34
520	Atmospheric Pressure Corona Discharge Ionisation and Ion Mobility Spectrometry/Mass Spectrometry study of the negative corona discharge in high purity oxygen and oxygen/nitrogen mixtures. <i>International Journal of Mass Spectrometry</i> , 2010, 293, 23-27.	1.5	40
521	Temperature dependence of dissociative electron attachment to 1-bromo-2-chlorobenzene and 1-bromo-3-chlorobenzene. <i>International Journal of Mass Spectrometry</i> , 2010, 293, 51-55.	1.5	11
522	Resonance Electron Capture by Serine. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1677-1683.	2.5	27

#	ARTICLE	IF	CITATIONS
523	Electron impact ionization of furanose alcohols. <i>Journal of Chemical Physics</i> , 2010, 132, 104308.	3.0	20
524	Specific formation of negative ions from leucine and isoleucine molecules. <i>Journal of Chemical Physics</i> , 2010, 132, 014301.	3.0	18
525	Negative ions formed in N <sub>2</sub> /CH <sub>4</sub> /Ar discharge – A simulation of Titan's atmosphere chemistry. <i>EPJ Applied Physics</i> , 2010, 49, 13105.	0.7	13
526	Corona Discharge Ion Mobility Spectrometry of Ten Alcohols. <i>Chinese Journal of Chemical Physics</i> , 2009, 22, 605-610.	1.3	9
527	Electron impact ionisation and UV absorption study of $\alpha$ - and $\beta$ -pinene. <i>International Journal of Mass Spectrometry</i> , 2009, 280, 169-173.	1.5	20
528	Low-energy electron-induced chemistry of condensed-phase hexamethyldisiloxane: Initiating dissociative process and subsequent reactions. <i>International Journal of Mass Spectrometry</i> , 2009, 282, 133-140.	1.5	10
529	Ionic Chemistry of Tetravinylsilane Cation (TVS <sup>+</sup> ) Formed by Electron Impact: Theory and Experiment. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6531-6536.	2.5	3
530	Numerical simulation of a trochoidal electron monochromator. <i>Measurement Science and Technology</i> , 2009, 20, 015901.	2.6	10
531	A mass spectrometric study of ions extracted from point to plane DC corona discharge fed by carbon dioxide at atmospheric pressure. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 210-214.	1.5	11
532	Negative ion formation in dissociative electron attachment to selected halogen derivatives of propane. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 103-106.	1.5	5
533	Ozone generation in positive and negative corona discharge fed by humid oxygen and carbon dioxide. <i>Physica Scripta</i> , 2008, T131, 014012.	2.5	9
534	Positive dc corona between coaxial electrodes in mixtures of carbon dioxide and oxygen. <i>Physica Scripta</i> , 2008, T131, 014014.	2.5	0
535	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
536	Quantum-chemical calculations of the products and energies of electron induced ionization of 2-Furanmethanol, Tetrahydro- and 3-Furanol. <i>Facta Universitatis - Series Physics Chemistry and Technology</i> , 2008, 6, 127-139.	0.5	7
537	Electron Impact Ionization/Dissociation of Molecules: Production of Energetic Radical Ions and Anions. <i>Journal of Physics: Conference Series</i> , 2007, 86, 012003.	0.4	5
538	A Study of the Physical and Chemical Processes Active in Ozone Generation by Carbon Dioxide Fed Corona Discharges. <i>Ozone: Science and Engineering</i> , 2007, 29, 399-404.	2.5	4
539	Identification of Isomers of Nitrotoluene via Free Electron Attachment. <i>Analytical Chemistry</i> , 2007, 79, 6585-6591.	6.5	19
540	Temporary anion states and dissociative electron attachment to nitrobenzene derivatives. <i>International Journal of Mass Spectrometry</i> , 2007, 264, 22-37.	1.5	29

#	ARTICLE	IF	CITATIONS
541	High resolution dissociative electron attachment to gas phase adenine. Journal of Chemical Physics, 2006, 125, 084304.	3.0	110
542	Reactions in trifluoroacetic acid (CF <sub>3</sub> COOH) induced by low energy electron attachment. Chemical Physics Letters, 2006, 419, 228-232.	2.6	29
543	Dissociative electron attachment to gas phase valine: A combined experimental and theoretical study. Journal of Chemical Physics, 2006, 125, 204301.	3.0	74
544	Electron impact ionization of CH <sub>3</sub> D and CD <sub>4</sub> near threshold: Isotope and temperature effects. International Journal of Mass Spectrometry, 2006, 248, 29-35.	1.5	5
545	Electron impact ionization of alanine: Appearance energies of the ions. International Journal of Mass Spectrometry, 2006, 252, 228-233.	1.5	21
546	Gas Phase Dissociative electron attachment study to L-Valine. AIP Conference Proceedings, 2006, , .	0.4	0
547	Electron impact ionization of C <sub>3</sub> H <sub>8</sub> : appearance energies and temperature effects. Chemical Physics Letters, 2005, 402, 80-87.	2.6	15
548	Dissociative electron attachment to gas phase alanine. Chemical Physics Letters, 2005, 403, 107-112.	2.6	72
549	Temperature dependence of electron attachment to CHCl <sub>2</sub> Br. European Physical Journal D, 2005, 35, 257-260.	1.3	5
550	Reactions in condensed formic acid (HCOOH) induced by low energy (<20 eV) electrons. Physical Chemistry Chemical Physics, 2005, 7, 1277.	2.8	27
551	Low energy electron driven reactions in single formic acid molecules (HCOOH) and their homogeneous clusters. Physical Chemistry Chemical Physics, 2005, 7, 2212.	2.8	48
552	High resolution electron interaction studies with atoms, molecules, biomolecules and clusters. , 2005, , 149-177.		0
553	Ozone generation in a negative corona discharge fed with N <sub>2</sub> O and O <sub>2</sub> . Journal Physics D: Applied Physics, 2004, 37, 1052-1057.	2.8	15
554	Electron attachment to chlorouracil: A comparison between 6-ClU and 5-ClU. Journal of Chemical Physics, 2004, 120, 704-709.	3.0	27
555	Temperature dependence of electron attachment to CHClBr <sub>2</sub> : crossed beams study. International Journal of Mass Spectrometry, 2004, 233, 193-197.	1.5	5
556	An analysis of mass spectrometric study of negative ions extracted from negative corona discharge in air. International Journal of Mass Spectrometry, 2004, 233, 317-324.	1.5	77
557	Electron impact ionization of C <sub>2</sub> H <sub>6</sub> : ionization energies and temperature effects. International Journal of Mass Spectrometry, 2004, 235, 155-162.	1.5	16
558	Experimental study of negative corona discharge in pure carbon dioxide and its mixtures with oxygen. Journal Physics D: Applied Physics, 2004, 37, 64-73.	2.8	72



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559	Electron Attachment to Uracil, Thymine and Cytosine. <i>Physica Scripta</i> , 2004, 110, 252.	2.5	16
560	The Rate Constant for Dissociative Electron Attachment to Ozone Revisited. <i>European Physical Journal D</i> , 2003, 53, 181-190.	0.4	11
561	High resolution multiple electron impact ionisation of He, Ne, Ar, Kr and Xe atoms close to threshold: Appearance energies and Wannier exponents. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 205, 413-416.	1.4	2
562	Dissociative electron attachment to CHF <sub>2</sub> Cl. <i>Chemical Physics Letters</i> , 2003, 371, 231-237.	2.6	5
563	Temperature dependence of electron attachment to CH <sub>2</sub> ClBr: competition between Cl <sup>-</sup> and Br <sup>-</sup> formation. <i>Chemical Physics Letters</i> , 2003, 375, 660-665.	2.6	12
564	Electron attachment to the DNA bases thymine and cytosine. <i>Chemical Physics Letters</i> , 2003, 377, 74-80.	2.6	151
565	Temperature dependencies in dissociative electron attachment to CCl <sub>4</sub> , CCl <sub>2</sub> F <sub>2</sub> , CHCl <sub>3</sub> and CHBr <sub>3</sub> . <i>International Journal of Mass Spectrometry</i> , 2003, 223-224, 9-19.	1.5	42
566	Low energy (0–15 eV) electron stimulated reactions in single 1,2-C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub> molecules and clusters. <i>International Journal of Mass Spectrometry</i> , 2003, 223-224, 193-204.	1.5	8
567	Effect of temperature on dissociative electron attachment to CCl <sub>2</sub> F <sub>2</sub> . <i>International Journal of Mass Spectrometry</i> , 2003, 223-224, 217-227.	1.5	5
568	Electron impact ionization of CH <sub>4</sub> : ionization energies and temperature effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 261-271.	1.5	68
569	A study of dissociative electron attachment to CHBr <sub>3</sub> and CHI <sub>3</sub> . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 443-452.	1.5	7
570	Electron attachment to 5-chloro uracil. <i>Journal of Chemical Physics</i> , 2003, 118, 4107-4114.	3.0	62
571	Electron impact ionization of CHF <sub>2</sub> Cl: Unusual ordering of ionization energies for parent and fragment ions. <i>Journal of Chemical Physics</i> , 2003, 119, 11704-11711.	3.0	15
572	Dissociative electron attachment to nitroethane: C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2003, 119, 7887-7892.	3.0	17
573	Electron impact multiple ionization of neon, argon and xenon atoms close to threshold: appearance energies and Wannier exponents. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 2993-3007.	1.5	34
574	High-resolution study of dissociative electron attachment to dipolar molecules at low energies: CH <sub>2</sub> Br <sub>2</sub> and CCl <sub>3</sub> Br. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 4179-4202.	1.5	17
575	Multiple ionization of helium and krypton by electron impact close to threshold: appearance energies and Wannier exponents. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 4685-4694.	1.5	16
576	Dissociative electron attachment study to nitromethane. <i>Journal of Chemical Physics</i> , 2002, 117, 7989-7994.	3.0	48

#	ARTICLE	IF	CITATIONS
577	Energy balance in dissociative electron attachment to C <sub>2</sub> F <sub>5</sub> I. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5105-5109.	2.8	3
578	Electron attachment to C <sub>2</sub> F <sub>5</sub> I molecules and clusters. <i>International Journal of Mass Spectrometry</i> , 2002, 220, 211-220.	1.5	6
579	Absolute calibration of relative electron attachment cross sections measured by crossed-beams experiments. <i>International Journal of Mass Spectrometry</i> , 2001, 205, 77-84.	1.5	12
580	The nucleophilic displacement (S <sub>N</sub> 2) reaction F <sup>-</sup> + CH <sub>3</sub> Cl → CH <sub>3</sub> F + Cl <sup>-</sup> induced by resonant electron capture in gas phase clusters. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1001-1005.	2.8	37
581	Electron attachment to oxygen clusters studied with high energy resolution. <i>Journal of Chemical Physics</i> , 1999, 111, 3548-3558.	3.0	24
582	Dissociative electron attachment to CF <sub>2</sub> Cl <sub>2</sub> . <i>European Physical Journal D</i> , 1999, 49, 383-392.	0.4	27
583	Effects of temperature on the dissociative electron attachment to N <sub>2</sub> O. <i>Chemical Physics Letters</i> , 1998, 292, 177-182.	2.6	35
584	Formation of NO <sup>-</sup> following electron attachment to NO clusters. <i>Chemical Physics Letters</i> , 1998, 289, 521-526.	2.6	13
585	Dissociative electron attachment to NO molecules and NO clusters. <i>Physical Review A</i> , 1998, 57, R697-R700.	2.5	19
586	Dissociative electron attachment cross section to CHCl <sub>3</sub> using a high resolution crossed beams technique. <i>Journal of Chemical Physics</i> , 1997, 107, 8955-8962.	3.0	62
587	Free Electron Attachment and Rydberg Electron Transfer to NF <sub>3</sub> Molecules and Clusters. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9942-9947.	2.5	32
588	Electron attachment to oxygen and oxygen/ozone clusters studied in a high-resolution crossed beams experiment. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1997, 40, 70-74.	1.0	5
589	Observation of the nucleophilic displacement (S <sub>N</sub> 2) reaction F <sup>-</sup> + CH <sub>3</sub> Br → CH <sub>3</sub> F + Br <sup>-</sup> Induced by dissociative electron capture in binary van der Waals clusters. <i>Zeitschrift für Elektrotechnik Und Elektrochemie</i> , 1997, 101, 287-290.	0.9	3
590	Electron attachment to molecules and clusters of atmospheric relevance: oxygen and ozone. <i>Plasma Sources Science and Technology</i> , 1997, 6, 140-146.	3.1	34
591	A coordinated flowing afterglow and crossed beam study of electron attachment to CCl <sub>3</sub> Br. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 167-168, 1-12.	1.8	13
592	Electron transfer processes in binary van der Waals clusters via the N <sub>2</sub> <sup>-</sup> (2 $\hat{g}$ ) resonance. <i>Chemical Physics Letters</i> , 1997, 267, 329-333.	2.6	4
593	Electron attachment to oxygen and oxygen/ozone clusters studied in a high-resolution crossed beams experiment. , 1997, , 70-74.		0
594	Dissociative electron attachment to ozone using a high-resolution crossed beams technique. <i>Chemical Physics Letters</i> , 1996, 255, 112-118.	2.6	43

#	ARTICLE	IF	CITATIONS
595	Low-energy electron attachment to mixed ozone/oxygen clusters. <i>Chemical Physics Letters</i> , 1996, 261, 437-442.	2.6	25
596	Vibrationally Resolved Electron Attachment to Oxygen Clusters. <i>Physical Review Letters</i> , 1996, 77, 3771-3774.	7.8	89
597	Dissociative electron attachment to using a high-resolution crossed-beams technique. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 6217-6225.	1.5	43
598	Formation of SF <sub>5</sub> <sup>-</sup> in electron attachment to SF <sub>6</sub> ; swarm and beam results reconciled. <i>Chemical Physics Letters</i> , 1995, 240, 481-488.	2.6	33
599	Dissociative electron attachment to SF <sub>6</sub> : production of SF <sub>5</sub> <sup>-</sup> at temperatures below 300 K. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 144, L13-L17.	1.8	34
600	A crossed beam high resolution study of dissociative electron attachment to CCl <sub>4</sub> . <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 149-150, 311-319.	1.8	59
601	The varying influences of gas and electron temperatures on the rates of electron attachment to some selected molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 2941-2957.	1.5	65
602	Formation and decay of C <sub>60</sub> <sup>-</sup> following free electron capture by C <sub>60</sub> . <i>Journal of Chemical Physics</i> , 1995, 102, 2516-2521.	3.0	85
603	Formation of C <sub>60</sub> <sup>-</sup> and C <sub>70</sub> <sup>-</sup> by free electron capture. Activation energy and effect of the internal energy on lifetime. <i>Chemical Physics Letters</i> , 1994, 226, 213-218.	2.6	117