

Zoran Lj PetroviÄ

List of Publications by Year in descending order

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316
papers

10,358
citations

53939

47
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56606

87
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322
docs citations

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times ranked

5267
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of laser induced breakdown spectroscopy and fast ICCD imaging for spatial and time resolved measurements of atmospheric pressure helium plasma jet. <i>Plasma Sources Science and Technology</i> , 2022, 31, 025011.	1.3	3
2	Third-order transport coefficients for electrons in N ₂ and CF ₄ : effects of non-conservative collisions, concurrence with diffusion coefficients and contribution to the spatial profile of the swarm. <i>Plasma Sources Science and Technology</i> , 2022, 31, 015003.	1.3	3
3	Cross sections and transport coefficients for electrons in C ₂ H ₆ O and its mixtures with Ar and Ne. <i>European Physical Journal D</i> , 2022, 76, 1.	0.6	2
4	Helium atmospheric pressure plasma jet parameters and their influence on bacteria deactivation in a medium. <i>European Physical Journal D</i> , 2022, 76, 1.	0.6	2
5	Foundations and interpretations of the pulsed-Townsend experiment. <i>Plasma Sources Science and Technology</i> , 2021, 30, 035017.	1.3	9
6	Voltage-current characteristics of low-pressure discharges in vapors of several alcohols. <i>Journal of Applied Physics</i> , 2021, 129, 143303.	1.1	2
7	Plasma-Activated Medium Potentiates the Immunogenicity of Tumor Cell Lysates for Dendritic Cell-Based Cancer Vaccines. <i>Cancers</i> , 2021, 13, 1626.	1.7	28
8	Effective ionization coefficients for low current dc discharges in alcohol vapours at low pressure. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	2
9	Application of Fragrance Microcapsules onto Cotton Fabric after Treatment with Oxygen and Nitrogen Plasma. <i>Coatings</i> , 2021, 11, 1181.	1.2	9
10	Low-pressure DC breakdown in alcohol vapours. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	5
11	Third-order transport coefficient tensor of charged-particle swarms in electric and magnetic fields. <i>Physical Review E</i> , 2020, 101, 023203.	0.8	10
12	Third-order transport coefficient tensor of electron swarms in noble gases. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	12
13	Monte Carlo simulation of RF breakdown in oxygen – the role of attachment. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	4
14	Effects of non-thermal atmospheric plasma treatment on dentin wetting and surface free energy for application of universal adhesives. <i>Clinical Oral Investigations</i> , 2019, 23, 1383-1396.	1.4	18
15	Electron transport coefficients and negative streamer dynamics in CF ₃ -SF ₆ mixtures. , 2019, , .		1
16	Electron transport and propagation of negative streamers in liquid-phase xenon. , 2019, , .		0
17	A set of cross sections and transport coefficients for CF ₃ + ions in CF ₄ . <i>Plasma Sources Science and Technology</i> , 2019, 28, 045006.	1.3	2
18	DC discharge in low-pressure ethanol vapour. <i>Plasma Sources Science and Technology</i> , 2019, 28, 055011.	1.3	5

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19	Electron transport and negative streamers in liquid xenon. <i>Plasma Sources Science and Technology</i> , 2019, 28, 015006.	1.3	8
20	Apoptosis Time Window Induced by Cold Atmospheric Plasma: Comparison with Ionizing Radiation. <i>Current Science</i> , 2019, 116, 1229.	0.4	4
21	Comparisons of Quantemol and Morgan LXCat cross section sets for electron-neutral scattering and rate-coefficients: Helium and water. <i>Facta Universitatis - Series Physics Chemistry and Technology</i> , 2019, 17, 145-159.	0.2	1
22	Electron transport in biomolecular gaseous and liquid systems: theory, experiment and self-consistent cross-sections. <i>Plasma Sources Science and Technology</i> , 2018, 27, 053001.	1.3	31
23	Destruction of chemical warfare surrogates using a portable atmospheric pressure plasma jet. <i>European Physical Journal D</i> , 2018, 72, 1.	0.6	21
24	Activity of catalase enzyme in <i>Paulownia tomentosa</i> seeds during the process of germination after treatments with low pressure plasma and plasma activated water. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700082.	1.6	42
25	Characterisation of a multijet plasma device by means of mass spectrometric detection and iCCD imaging. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 484004.	1.3	11
26	Influence of space charge density on electron energy distribution function and on composition of atmospheric pressure He/O ₂ /air plasmas. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	7
27	Monte Carlo modeling of radio-frequency breakdown in argon. <i>Plasma Sources Science and Technology</i> , 2018, 27, 075013.	1.3	20
28	The influence of electrode configuration on light emission profiles and electrical characteristics of an atmospheric-pressure plasma jet. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 145202.	1.3	30
29	Monte Carlo modeling and optimization of buffer gas positron traps. <i>Plasma Sources Science and Technology</i> , 2017, 26, 024003.	1.3	3
30	Mass spectrometry of diffuse coplanar surface barrier discharge: influence of discharge frequency and oxygen content in N ₂ /O ₂ mixture*. <i>European Physical Journal D</i> , 2017, 71, 1.	0.6	10
31	Electrical and optical characterization of an atmospheric pressure, uniform, large-area processing, dielectric barrier discharge. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 135204.	1.3	15
32	Plasma treated polyethylene terephthalate for increased embedment of UV-responsive microcapsules. <i>Applied Surface Science</i> , 2017, 419, 224-234.	3.1	23
33	Plasma effects on the bacteria <i>Escherichia coli</i> two evaluation methods. <i>Plasma Science and Technology</i> , 2017, 19, 075504.	0.7	5
34	Spatial profiles of positrons injected at low energies into water: influence of cross section models. <i>Plasma Sources Science and Technology</i> , 2017, 26, 045010.	1.3	14
35	QDB: a new database of plasma chemistries and reactions. <i>Plasma Sources Science and Technology</i> , 2017, 26, 055014.	1.3	42
36	Non-equilibrium of charged particles in swarms and plasmas – from binary collisions to plasma effects. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014026.	0.9	9

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37	The 2017 Plasma Roadmap: Low temperature plasma science and technology. Journal Physics D: Applied Physics, 2017, 50, 323001.	1.3	710
38	Cross sections and transport coefficients for H ₃ ⁺ ions in water vapour. European Physical Journal D, 2017, 71, 1.	0.6	1
39	Electron transport in mercury vapor: cross sections, pressure and temperature dependence of transport coefficients and NDC effects. European Physical Journal D, 2017, 71, 1.	0.6	6
40	Using Swarm Models as an Exact Representation of Ionized Gases. Plasma Processes and Polymers, 2017, 14, 1600124.	1.6	13
41	A CF ₄ -based positron trap. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 215001.	0.6	17
42	Electron swarm properties under the influence of a very strong attachment in SF ₆ and CF ₃ I obtained by Monte Carlo rescaling procedures. Plasma Sources Science and Technology, 2016, 25, 065010.	1.3	16
43	Fluid modeling of resistive plate chambers: impact of transport data on development of streamers and induced signals. Journal Physics D: Applied Physics, 2016, 49, 405201.	1.3	10
44	Plasma-liquid interactions: a review and roadmap. Plasma Sources Science and Technology, 2016, 25, 053002.	1.3	1,111
45	Advances in positron and electron scattering*. European Physical Journal D, 2016, 70, 1.	0.6	2
46	Radial profile of the electron energy distribution function in RF capacitive gas-discharge plasma. Journal of Physics: Conference Series, 2016, 700, 012007.	0.3	0
47	Scattering data for modelling positron tracks in gaseous and liquid water. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 145001.	0.6	47
48	Sterilization of bacteria suspensions and identification of radicals deposited during plasma treatment. Open Chemistry, 2015, 13, .	1.0	21
49	Production of active oxygen species in low pressure CCP used for sterilization of commercial seeds. , 2015, , .		0
50	Scattering cross sections and electron transport coefficients for electrons in CF ₃ I. , 2015, , .		0
51	Positron kinetics in an idealized PET environment. Scientific Reports, 2015, 5, 12674.	1.6	23
52	Cross sections for electron collisions with tetrafluoroethane (C ₂ H ₂ F ₄), 2015, , .		0
53	Mass spectroscopy and ICCD analysis of coupled and uncoupled mode in a Gatling-gun like plasma source. , 2015, , .		0
54	Electron impact cross-sections for biomolecules - completeness and self-consistency via swarm analysis. Journal of Physics: Conference Series, 2015, 635, 072079.	0.3	0

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55	Practical and theoretical considerations on the use of ICCD imaging for the characterization of non-equilibrium plasmas. Plasma Sources Science and Technology, 2015, 24, 064004.	1.3	33
56	DC breakdown in vapours of liquids. , 2015, , .		0
57	Scattering cross section set for electrons in CH ₃ OCH ₃ . , 2015, , .		0
58	Breakdown and dc discharge in low-pressure water vapour. Journal Physics D: Applied Physics, 2015, 48, 424011.	1.3	12
59	Time-resolved optical emission imaging of an atmospheric plasma jet for different electrode positions with a constant electrode gap. Plasma Sources Science and Technology, 2015, 24, 025006.	1.3	35
60	Chemistry induced during the thermalization and transport of positrons and secondary electrons in gases and liquids. Plasma Sources Science and Technology, 2015, 24, 025016.	1.3	7
61	Cross sections and transport of O ⁺ in H ₂ O vapour at low pressures. European Physical Journal D, 2015, 69, 1.	0.6	10
62	Heating mechanisms for electron swarms in radio-frequency electric and magnetic fields. Plasma Sources Science and Technology, 2015, 24, 054006.	1.3	15
63	Effect of dissipated power due to antenna resistive heating on E- to H-mode transition in inductively coupled oxygen plasma. Indian Journal of Physics, 2015, 89, 635-640.	0.9	0
64	New phenomenology of gas breakdown in DC and RF fields. Journal of Physics: Conference Series, 2014, 514, 012043.	0.3	4
65	Kinetic Phenomena in Transport of Electrons and Positrons in Gases caused by the Properties of Scattering Cross Sections. Journal of Physics: Conference Series, 2014, 488, 012047.	0.3	2
66	A microscopic Monte Carlo approach to modeling of Resistive Plate Chambers. Journal of Instrumentation, 2014, 9, P09012-P09012.	0.5	9
67	Inhibition of methicillin resistant Staphylococcus aureus by a plasma needle. Open Physics, 2014, 12, .	0.8	7
68	Influence of the cathode surface conditions on V_A characteristics in low-pressure nitrogen discharge. Plasma Sources Science and Technology, 2014, 23, 035003.	1.3	4
69	Positron transport in CF ₄ and N ₂ /CF ₄ mixtures. European Physical Journal D, 2014, 68, 1.	0.6	16
70	Plasma induced DNA damage: Comparison with the effects of ionizing radiation. Applied Physics Letters, 2014, 105, 124101.	1.5	30
71	Development of fast neutral etching for integrated circuits and nanotechnologies fast neutrals in gas. , 2014, , .		0
72	Monte Carlo analysis of ionization effects on spatiotemporal electron swarm development. European Physical Journal D, 2014, 68, 1.	0.6	14

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73	Boltzmann equation and Monte Carlo studies of electron transport in resistive plate chambers. Journal Physics D: Applied Physics, 2014, 47, 435203.	1.3	16
74	Gas breakdown and secondary electron yields. European Physical Journal D, 2014, 68, 1.	0.6	45
75	Electron swarm transport in THF and water mixtures. European Physical Journal D, 2014, 68, 1.	0.6	36
76	Long and short term effects of plasma treatment on meristematic plant cells. Applied Physics Letters, 2014, 104, .	1.5	35
77	On the use of Monte Carlo simulations to model transport of positrons in gases and liquids. Applied Radiation and Isotopes, 2014, 83, 148-154.	0.7	28
78	Monte Carlo modelling of positron transport in real world applications. Journal of Physics: Conference Series, 2014, 514, 012046.	0.3	1
79	Low-energy electron and positron transport in gases and soft-condensed systems of biological relevance. Applied Radiation and Isotopes, 2014, 83, 77-85.	0.7	51
80	Resistive Plate Chambers: electron transport and modeling. Journal of Physics: Conference Series, 2014, 565, 012008.	0.3	1
81	Mobility of positive ions in CF ₄ . Journal of Physics: Conference Series, 2014, 514, 012059.	0.3	12
82	Plasma properties in a large-volume, cylindrical and asymmetric radio-frequency capacitively coupled industrial-prototype reactor. Journal Physics D: Applied Physics, 2013, 46, 075201.	1.3	7
83	Effects of non-thermal atmospheric plasma on human periodontal ligament mesenchymal stem cells. Journal Physics D: Applied Physics, 2013, 46, 345401.	1.3	41
84	Ionization coefficients for argon in a micro-discharge. Plasma Sources Science and Technology, 2013, 22, 045001.	1.3	9
85	Scattering cross sections for electrons in C ₂ H ₂ F ₄ and its mixtures with Ar from measured transport coefficients. Journal Physics D: Applied Physics, 2013, 46, 325201.	1.3	16
86	Data for modeling of positron collisions and transport in gases. AIP Conference Proceedings, 2013, , .	0.3	8
87	Ion mobilities and transport cross sections of daughter negative ions in N ₂ O and N ₂ Oâ€N ₂ mixtures. Plasma Sources Science and Technology, 2013, 22, 025004.	1.3	9
88	Transport of F ⁺ ions in F ₂ . Europhysics Letters, 2013, 101, 45003.	0.7	7
89	On the approximation of transport properties in structured materials using momentum-transfer theory. New Journal of Physics, 2012, 14, 045011.	1.2	10
90	Application of non-equilibrium plasmas in medicine. Journal of the Serbian Chemical Society, 2012, 77, 1689-1699.	0.4	4

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91	Positron transport in water vapour. <i>New Journal of Physics</i> , 2012, 14, 035003.	1.2	22
92	Transport of electrons in Ar/H ₂ mixtures. <i>Europhysics Letters</i> , 2012, 99, 35003.	0.7	2
93	Kinetic phenomena in charged particle transport in gases and plasmas. , 2012, , .		0
94	A Monte Carlo simulation of ion transport at finite temperatures. <i>Plasma Sources Science and Technology</i> , 2012, 21, 035001.	1.3	55
95	On the possibility of long path breakdown affecting the Paschen curves for microdischarges. <i>Plasma Sources Science and Technology</i> , 2012, 21, 035016.	1.3	34
96	Biomedical applications and diagnostics of atmospheric pressure plasma. <i>Journal of Physics: Conference Series</i> , 2012, 356, 012001.	0.3	9
97	Development of biomedical applications of non-equilibrium plasmas and possibilities for atmospheric pressure nanotechnology applications. , 2012, , .		0
98	On approximations involved in the theory of positron transport in gases in electric and magnetic fields. <i>European Physical Journal D</i> , 2012, 66, 1.	0.6	7
99	Modelling single positron tracks in Ar. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 045207.	0.6	21
100	Detection of atomic oxygen and nitrogen created in a radio-frequency-driven micro-scale atmospheric pressure plasma jet using mass spectrometry. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124046.	0.9	31
101	Time resolved optical emission images of an atmospheric pressure plasma jet with transparent electrodes. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	53
102	A set of cross sections and transport coefficients for electrons in HBr. <i>Chemical Physics</i> , 2012, 398, 154-159.	0.9	11
103	Cross sections and transport properties of positive ions in BF ₃ plasmas. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 151-154.	0.6	9
104	Monte Carlo simulation and Boltzmann equation analysis of non-conservative positron transport in H ₂ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 92-95.	0.6	13
105	Thermalization of positronium in helium: A numerical study. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 80-83.	0.6	5
106	Spatially resolved transport data for electrons in gases: Definition, interpretation and calculation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 84-91.	0.6	18
107	Positron and Electron Interactions and Transport in Biological Media. <i>Biological and Medical Physics Series</i> , 2012, , 227-238.	0.3	2
108	Oscillation modes of direct current microdischarges with parallel-plate geometry. <i>Journal of Applied Physics</i> , 2011, 110, 083310.	1.1	24

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109	On Explanation of the Double-Valued Paschen-Like Curve for RF Breakdown in Argon. IEEE Transactions on Plasma Science, 2011, 39, 2556-2557.	0.6	19
110	Spectroscopic ellipsometry of few-layer graphene. Journal of Nanophotonics, 2011, 5, 051809.	0.4	32
111	Electrical Breakdown in Water Vapor. Physical Review E, 2011, 84, 055401.	0.8	32
112	Measurements and modeling of electron energy distributions in the afterglow of a pulsed discharge in BF ₃ . Europhysics Letters, 2011, 95, 45003.	0.7	6
113	Positron transport in molecular gases in crossed electric and magnetic fields. Journal of Physics: Conference Series, 2011, 262, 012007.	0.3	2
114	Positrons in gas filled traps and their transport in molecular gases. Journal of Physics: Conference Series, 2011, 262, 012046.	0.3	2
115	Spatiotemporal Characteristics of Charged-Particle Swarms in Orthogonal Electric and Magnetic Fields. IEEE Transactions on Plasma Science, 2011, 39, 2566-2567.	0.6	5
116	Monte Carlo Model of Positron Transport in Water: Track Structures Based on Atomic and Molecular Scattering Data for Positrons. IEEE Transactions on Plasma Science, 2011, 39, 2962-2963.	0.6	14
117	Spatiotemporal Profile of Emission From Oscillating DC Microdischarges. IEEE Transactions on Plasma Science, 2011, 39, 2692-2693.	0.6	4
118	Visualization of Electron Transport Coefficients in RF Electric and Magnetic Fields Crossed at Arbitrary Angles. IEEE Transactions on Plasma Science, 2011, 39, 2560-2561.	0.6	5
119	On Anisotropy and Spatial Dependence of Doppler-Induced Broadening Due to Heavy-Particle Excitation. IEEE Transactions on Plasma Science, 2011, 39, 2592-2593.	0.6	5
120	Axial light emission and Ar metastable densities in a parallel plate dc microdischarge in the steady state and transient regimes. Plasma Sources Science and Technology, 2011, 20, 065001.	1.3	15
121	A multi-term solution of the nonconservative Boltzmann equation for the analysis of temporal and spatial non-local effects in charged-particle swarms in electric and magnetic fields. Plasma Sources Science and Technology, 2011, 20, 024013.	1.3	49
122	The 20th European Sectional Conference on Atomic and Molecular Physics of Ionized Gases. Plasma Sources Science and Technology, 2011, 20, 020201.	1.3	0
123	Numerical Modeling of Thermalization of Positrons in Gas-Filled Surko Traps. IEEE Transactions on Plasma Science, 2011, 39, 2614-2615.	0.6	14
124	Boltzmann Equation Analysis of Electron Transport in a N ₂ +O ₂ Streamer Discharge. Japanese Journal of Applied Physics, 2011, 50, 08JC01.	0.8	26
125	Boltzmann Equation Analysis of Electron Transport in a N ₂ +O ₂ Streamer Discharge. Japanese Journal of Applied Physics, 2011, 50, 08JC01.	0.8	12
126	On new developments in the physics of positron swarms. Journal of Physics: Conference Series, 2010, 199, 012016.	0.3	7

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127	Effect Of Anode Surface on Doppler Profile in Townsend Discharge in Pure Hydrogen. , 2010, , .		0
128	Non-equilibrium transport of positron and electron swarms in gases and liquids. Plasma Sources Science and Technology, 2010, 19, 034001.	1.3	20
129	On Application of Plasmas in Nanotechnologies. Nanostructure Science and Technology, 2010, , 85-130.	0.1	5
130	Application of non-equilibrium plasmas in top-down and bottom-up nanotechnologies and biomedicine. , 2010, , .		1
131	Transport coefficients for electron scattering in CF ₄ /Ar/O ₂ mixtures with a significant presence of F _x or CF _x radicals. Europhysics Letters, 2010, 91, 55001.	0.7	5
132	The effect of a plasma needle on bacteria in planktonic samples and on peripheral blood mesenchymal stem cells. New Journal of Physics, 2010, 12, 083037.	1.2	47
133	Benchmark calculations of nonconservative charged-particle swarms in dc electric and magnetic fields crossed at arbitrary angles. Physical Review E, 2010, 81, 046403.	0.8	59
134	Measurements and analysis of electron transport coefficients obtained by a pulsed Townsend technique. Plasma Sources Science and Technology, 2010, 19, 034003.	1.3	18
135	Transport coefficients and cross sections for electrons in N ₂ O and N ₂ O/N ₂ mixtures. Plasma Sources Science and Technology, 2010, 19, 025005.	1.3	20
136	Mass analysis of an atmospheric pressure plasma needle discharge. Plasma Sources Science and Technology, 2010, 19, 034014.	1.3	38
137	Modeling of thermalization of fast electrons in nitrogen at low pressures. Plasma Sources Science and Technology, 2009, 18, 034017.	1.3	1
138	Cross sections and transport properties of negative ions in rare gases. Journal of Physics: Conference Series, 2009, 162, 012004.	0.3	7
139	Total and positronium formation cross sections for positron scattering from H ₂ O and HCOOH. New Journal of Physics, 2009, 11, 103036.	1.2	63
140	Electron impact ionization and transport in nitrogen-argon mixtures. Journal Physics D: Applied Physics, 2009, 42, 045202.	1.3	18
141	Restoration of the Pure Dynamic Optogalvanic Signals in Ne Hollow Cathode Discharge. IEEE Transactions on Plasma Science, 2009, 37, 159-163.	0.6	0
142	Negative differential conductivity of positrons in gases. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 350-353.	0.6	19
143	Cross-sections and transport properties of F ⁺ ions in Ar, Kr and Xe. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 295-298.	0.6	3
144	Electron transport coefficients in N ₂ O in RF electric and magnetic fields. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 377-381.	0.6	2

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145	Application of level set method in simulation of surface roughness in nanotechnologies. Thin Solid Films, 2009, 517, 3954-3957.	0.8	10
146	Influence of the surface conditions on rf plasma characteristics. European Physical Journal D, 2009, 54, 445-449.	0.6	20
147	Energetic ion, atom, and molecule reactions and excitation in low-current $\frac{H}{2}$ Energetic ion, atom, and molecule reactions and excitation in low-current	0.8	19
148	Energetic ion, atom, and molecule reactions and excitation in low-current $\frac{H}{2}$ Energetic ion, atom, and molecule reactions and excitation in low-current	0.8	26
149	Positron transport: The plasma-gas interface. Physics of Plasmas, 2009, 16, .	0.7	18
150	Measurement and interpretation of swarm parameters and their application in plasma modelling. Journal Physics D: Applied Physics, 2009, 42, 194002.	1.3	171
151	Spaceâ€time development of low-pressure gas breakdown. Plasma Sources Science and Technology, 2009, 18, 034009.	1.3	35
152	Electron transport coefficients in mixtures of CF ₄ and CF ₂ radicals. Plasma Sources Science and Technology, 2009, 18, 035008.	1.3	19
153	Argon metastable state densities in inductively coupled plasma in mixtures of Ar and O ₂ . Journal Physics D: Applied Physics, 2009, 42, 145206.	1.3	27
154	Low energy positron interactions - trapping, transport and scattering. Journal of Physics: Conference Series, 2009, 162, 012002.	0.3	4
155	Hollow cathode discharges: Volt-ampere characteristics and space-time resolved structure of the discharge. Journal of Physics: Conference Series, 2009, 162, 012007.	0.3	14
156	On the Role of Radicals in Kinetics of Plasma Etchers in Ar/CF ₄ Mixtures. Acta Physica Polonica A, 2009, 115, 765-767.	0.2	7
157	Modeling of discharges in a capacitively coupled dual frequency plasma reactor. Hemijska Industrija, 2009, 63, 233-238.	0.3	2
158	Modeling of a breakdown voltage in microdischarges. Hemijska Industrija, 2009, 63, 293-299.	0.3	0
159	Excitation coefficients of O I (2p ³ (4S ^o)3p) level by electron and fast neutral swarms. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 51-55.	1.5	0
160	Transport coefficients for positron swarms in nitrogen. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 462-465.	0.6	26
161	Cross sections and transport properties of Cl ⁻ ions in noble gases. European Physical Journal D, 2008, 48, 87-94.	0.6	21
162	Breakdown, scaling and voltâ€ampere characteristics of low current micro-discharges. Journal Physics D: Applied Physics, 2008, 41, 194002.	1.3	66

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163	Effective Discharge Area of Nonequilibrium DC Discharges. IEEE Transactions on Plasma Science, 2008, 36, 994-995.	0.6	14
164	Dynamics of the Profile Charging During SiO_2 Etching in Plasma for High Aspect Ratio Trenches. IEEE Transactions on Plasma Science, 2008, 36, 874-875.	0.6	27
165	Monte Carlo studies of non-conservative electron transport in the steady-state Townsend experiment. Journal Physics D: Applied Physics, 2008, 41, 245205.	1.3	69
166	On the existence of transiently negative diffusion coefficients for electrons in gases in $\vec{E}-\vec{B}$ fields. Journal Physics D: Applied Physics, 2008, 41, 025206.	1.3	26
167	Monte Carlo simulation of non-conservative positron transport in pure argon. New Journal of Physics, 2008, 10, 053034.	1.2	44
168	Top down nano technologies in production of integrated circuits and surface modification of materials. , 2008, , .		0
169	Ultrasmall radio frequency driven microhollow cathode discharge. Applied Physics Letters, 2008, 93, 011501.	1.5	33
170	Modelling of anomalous Doppler broadened lines, thermalization of electrons and the role of radicals in discharges at high E/N. Journal of Physics: Conference Series, 2008, 133, 012003.	0.3	6
171	Space-time resolved kinetics of low-pressure breakdown. Journal of Physics: Conference Series, 2008, 115, 012001.	0.3	0
172	Electron, Ion and Atom Collisions Leading to Anomalous Doppler Broadening in Hydrogen. AIP Conference Proceedings, 2007, , .	0.3	2
173	Transport Coefficients for Electrons in Mixtures of Ar and HBr. Japanese Journal of Applied Physics, 2007, 46, 3560-3565.	0.8	16
174	On hydrogen negative ion formation and concentration measurements in hollow cathode and positive column glow discharge. Journal of Physics: Conference Series, 2007, 71, 012009.	0.3	2
175	Kinetic phenomena in charged particle transport in gases, swarm parameters and cross section data. Plasma Sources Science and Technology, 2007, 16, S1-S12.	1.3	110
176	Metastable and charged particle decay in neon afterglow studied by the breakdown time delay measurements. Physics of Plasmas, 2007, 14, .	0.7	20
177	Environmental impact of plasma application to textiles. Journal of Physics: Conference Series, 2007, 71, 012017.	0.3	35
178	Ion behavior in capacitively-coupled dual-frequency discharges. Journal of Physics: Conference Series, 2007, 86, 012011.	0.3	31
179	Spatiotemporal Development of Low-Pressure Gas Discharges. Journal of Physics: Conference Series, 2007, 86, 012009.	0.3	9
180	Modelling of breakdown behavior by PIC/MCC code with improved secondary emission models. Journal of Physics: Conference Series, 2007, 71, 012007.	0.3	9

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181	Plasma boundary sheath in the afterglow of a pulsed inductively coupled RF plasma. <i>Plasma Sources Science and Technology</i> , 2007, 16, 355-363.	1.3	33
182	Data and modeling of negative ion transport in gases of interest for production of integrated circuits and nanotechnologies. <i>Applied Surface Science</i> , 2007, 253, 6619-6640.	3.1	56
183	Ionization coefficients in gas mixtures. <i>Radiation Physics and Chemistry</i> , 2007, 76, 551-555.	1.4	5
184	Vibrational excitation coefficients for electrons in HBr. <i>Radiation Physics and Chemistry</i> , 2007, 76, 573-576.	1.4	5
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