

# Milada Bartlova

## List of Publications by Year in descending order

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30  
papers

190  
citations

1307594

7  
h-index

1125743

13  
g-index

30  
all docs

30  
docs citations

30  
times ranked

98  
citing authors

#	ARTICLE	IF	CITATIONS
1	Net Emission Coefficients of Radiation in Air and SF <sub>6</sub> Thermal Plasmas. Plasma Chemistry and Plasma Processing, 2009, 29, 131-147.	2.4	38
2	Radiative emission from air thermal plasmas with vapour of Cu or W. Journal Physics D: Applied Physics, 2010, 43, 434007.	2.8	28
3	Integrated parametric study of a hybrid-stabilized argon-water arc under subsonic, transonic and supersonic plasma flow regimes. Journal Physics D: Applied Physics, 2011, 44, 435204.	2.8	21
4	Calculation of radiative heat transfer in SF <sub>6</sub> arc plasmas. IEEE Transactions on Plasma Science, 1997, 25, 815-823.	1.3	14
5	Photoabsorption of diatomic molecules. European Physical Journal D, 2006, 56, B632-B637.	0.4	14
6	Turbojet engine innovation and TRIZ. , 2014, , .		13
7	On the Selection of Integration Intervals for the Calculation of Mean Absorption Coefficients. Plasma Chemistry and Plasma Processing, 2015, 35, 1097-1110.	2.4	11
8	Radiation absorption coefficients in arc plasmas. European Physical Journal D, 2004, 54, C759-C765.	0.4	8
9	Numerically optimized band boundaries of Planck mean absorption coefficients in air plasma. Journal Physics D: Applied Physics, 2017, 50, 305201.	2.8	6
10	Modelling of inhomogeneous mixing of plasma species in argon-water steam arc discharge for broad range of operating conditions. European Physical Journal D, 2020, 74, 1.	1.3	6
11	The Influence of Turbulence on Characteristics of a Hybrid-Stabilized Argon-Water Electric Arc. Journal of Thermal Science and Technology, 2013, 8, 435-447.	1.1	4
12	TRIZ Already 35 Years in the Czech Republic. Procedia CIRP, 2016, 39, 216-220.	1.9	4
13	Modeling of argon-water steam thermal plasma flow for abatement of fluorinated compounds. Journal Physics D: Applied Physics, 2022, 55, 375201.	2.8	4
14	Performance of water and hybrid stabilized electric arcs: the impact of dependence of radiation losses and plasma density on pressure. European Physical Journal D, 2006, 56, B1224-B1230.	0.4	3
15	A comparative numerical study of hybrid-stabilized argon-water electric arc. Computer Physics Communications, 2011, 182, 1776-1783.	7.5	3
16	Computer Modeling of Radiative Transfer in Hybrid-Stabilized Argon-Water Electric Arc. IEEE Transactions on Plasma Science, 2011, 39, 2892-2893.	1.3	3
17	Quasi-Laminar Flow Characteristics in Hybrid-Stabilized Argon-Water Arc Discharge for Subsonic-Supersonic Regimes. IEEE Transactions on Plasma Science, 2014, 42, 2632-2633.	1.3	3
18	Calculation of radiative heat transfer in argon arc plasmas. European Physical Journal D, 2000, 50, 437.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Improvement of active hinge of the car bonnet. , 2014, , .		1
20	P1-approximation for radiative transfer: application to SF6 + Cu arc plasmas. Open Chemistry, 2014, 13, .	1.9	1
21	Modelling of Radiative Transfer in Air Arc Plasma. Plasma Physics and Technology, 2017, 4, 261-264.	0.3	1
22	Fluctuations of focused electron beam in a conventional SEM. Ultramicroscopy, 2019, 204, 49-54.	1.9	1
23	RADIATION IN WATER-VORTEX STABILIZED ELECTRIC ARC -COMPARISON AMONG DIFFERENT MODELS. High Temperature Material Processes, 2004, 8, 195-205.	0.6	1
24	Objective Function for Numerical Mean Absorption Bands Optimization. Plasma Physics and Technology, 2017, 4, 269-272.	0.3	1
25	The influence of nonequilibrium distribution function on values of reaction rate constants. European Physical Journal D, 2000, 50, 289.	0.4	0
26	Radiation Transfer In Arc Plasmas. AIP Conference Proceedings, 2006, , .	0.4	0
27	Improvement the evaluation of innovation. , 2014, , .		0
28	Radiation Transfer in Arc Plasmas. Plasma Physics and Technology, 2017, 4, 253-256.	0.3	0
29	PROPERTIES OF ARC DISCHARGE WITH HYBRID STABILIZATION: IMPACT OF DIFFERENT PHYSICAL AND NUMERICAL ASSUMPTIONS. High Temperature Material Processes, 2006, 10, 501-514.	0.6	0
30	ELECTRON-ION RECOMBINATION IN DECAYING SF6 ARC PLASMA. High Temperature Material Processes, 1997, 1, 511-523.	0.6	0