

Dmitriy K Sharaborin

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Influence of a Central Jet on Isothermal and Reacting Swirling Flow in a Model Combustion Chamber. <i>Energies</i> , 2022, 15, 1615.	3.1	7
2	Modal Decomposition of the Precessing Vortex Core in a Hydro Turbine Model. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5127.	2.5	7
3	LES Simulation of a Model Gas-Turbine Lean Combustor: Impact of Coherent Flow Structures on the Temperature Field and Concentration of CO and NO. <i>Energies</i> , 2022, 15, 4362.	3.1	4
4	Assessment of single-shot temperature measurements by thermally-assisted OH PLIF using excitation in the A2Î£+â€“X2Î (1-0) band. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 1877-1883.	3.9	15
5	PIV/PLIF investigation of unsteady turbulent flow and mixing behind a model gas turbine combustor. <i>Experiments in Fluids</i> , 2021, 62, 1.	2.4	19
6	Testing Basic Gradient Turbulent Transport Models for Swirl Burners Using PIV and PLIF. <i>Fluids</i> , 2021, 6, 383.	1.7	2
7	On the Flow Structure and Dynamics of Methane and Syngas Lean Flames in a Model Gas-Turbine Combustor. <i>Energies</i> , 2021, 14, 8267.	3.1	6
8	Reconstructing the structural parameters of a precessing vortex by SPIV and acoustic sensors. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	23
9	Experimental diagnostics of the flow downstream the gas turbine premixer using planar optical methods. <i>Journal of Physics: Conference Series</i> , 2019, 1382, 012005.	0.4	1
10	Multi-spectral planar imaging using a tuneable Lyot-Ehman filter. <i>Journal of Physics: Conference Series</i> , 2019, 1382, 012039.	0.4	0
11	Structure of a reacting flow of a turbulent swirling jet during combustion of a syngasâ€“air mixture. <i>Journal of Physics: Conference Series</i> , 2019, 1382, 012066.	0.4	0
12	On combustion regimes of syngas-air and methane-air lean flames for swirl-stabilized burners. <i>Journal of Physics: Conference Series</i> , 2019, 1382, 012067.	0.4	0
13	Planar Spontaneous Raman-Scattering Spectroscopy for Reacting Jet-Flow Diagnostics Using Lyotâ€“Ehman Tunable Filter. <i>Technical Physics Letters</i> , 2018, 44, 53-56.	0.7	2
14	Investigation of the flow structure and convective heat transfer in impinging swirling turbulent jets. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
15	Structure of a swirling jet with vortex breakdown and combustion. <i>Journal of Physics: Conference Series</i> , 2018, 980, 012032.	0.4	0
16	Swirl effect on flow structure and mixing in a turbulent jet. <i>Journal of Physics: Conference Series</i> , 2018, 980, 012001.	0.4	5
17	Spatial Structure of a Reacting Turbulent Swirling Jet Flow with Combustion of a Propaneâ€“Air Mixture. <i>Combustion, Explosion and Shock Waves</i> , 2018, 54, 294-300.	0.8	2
18	PIV/OH PLIF investigation of flow and flame front dynamics of acoustically perturbed conical flame. <i>Journal of Physics: Conference Series</i> , 2017, 899, 042006.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Investigation of mass transfer in swirling turbulent flames. Journal of Physics: Conference Series, 2016, 754, 072003.	0.4	1
20	Study of aerodynamic structure of flow in a model of vortex furnace using Stereo PIV method. Thermophysics and Aeromechanics, 2016, 23, 621-624.	0.5	7
21	Turbulent transport measurements in a cold model of GT-burner at realistic flow rates. EPJ Web of Conferences, 2016, 114, 02032.	0.3	1
22	Measurements of density field in a swirling flame by 2D spontaneous Raman scattering. AIP Conference Proceedings, 2016, , .	0.4	4
23	PIV characterization of high-Reynolds flow in turbine test facility. AIP Conference Proceedings, 2016, , .	0.4	1
24	Turbulent transport measurements in a model of GT-combustor. AIP Conference Proceedings, 2016, , .	0.4	1
25	Finding of parameters of helical symmetry for unsteady vortex flow based on phase-averaged PIV measurement data. Thermophysics and Aeromechanics, 2015, 22, 647-650.	0.5	10
26	Optical tomography in reacting flows based on Stokes Raman scattering. Journal of Physics: Conference Series, 2015, 643, 012034.	0.4	0
27	3D velocity measurements in a premixed flame by tomographic PIV. Measurement Science and Technology, 2015, 26, 064001.	2.6	13
28	Spatial and temporal resolution of the particle image velocimetry technique in flame speed measurements. Combustion, Explosion and Shock Waves, 2014, 50, 510-517.	0.8	12