

Alexander Kuzmin

List of Publications by Year in descending order

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26
papers

125
citations

1478505

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1372567

10
g-index

27
all docs

27
docs citations

27
times ranked

42
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-unique transonic flows over airfoils. Computers and Fluids, 2012, 63, 1-8.	2.5	22
2	The structural instability of transonic flow associated with amalgamation/splitting of supersonic regions. Theoretical and Computational Fluid Dynamics, 2004, 18, 335-344.	2.2	15
3	Solvability of a problem for transonic flow with a local supersonic region. Nonlinear Differential Equations and Applications, 2001, 8, 299-321.	0.8	12
4	Shock Wave Instability in a Channel with an Expansion Corner. International Journal of Applied Mechanics, 2015, 07, 1550019.	2.2	11
5	Shock wave bifurcation in channels with a bend. Archive of Applied Mechanics, 2016, 86, 787-795.	2.2	9
6	Bifurcations and buffet of transonic flow past flattened surfaces. Computers and Fluids, 2009, 38, 1369-1374.	2.5	6
7	Sensitivity Analysis of Transonic Flow over J-78 Wings. International Journal of Aerospace Engineering, 2015, 2015, 1-6.	0.9	6
8	Bifurcations of transonic flow past simple airfoils with elliptic and wedge-shaped noses. Journal of Applied Mechanics and Technical Physics, 2010, 51, 16-21.	0.5	5
9	Shock wave bifurcation in convergent-divergent channels of rectangular cross section. Shock Waves, 2016, 26, 741-747.	1.9	5
10	Transonic flow instability in the entrance region of a channel with breaks of walls. Archive of Applied Mechanics, 2017, 87, 1269-1279.	2.2	5
11	Structural Instability of Transonic Flow over an Airfoil. Journal of Engineering Physics and Thermophysics, 2004, 77, 1022-1026.	0.6	4
12	Hysteresis of shock wave locations in divergent bent channels. Computers and Fluids, 2019, 182, 52-59.	2.5	4
13	Transonic flow past a Whitcomb airfoil with a deflected aileron. International Journal of Aeronautical and Space Sciences, 2013, 14, 210-214.	2.0	4
14	Transonic aerofoils admitting anomalous behaviour of lift coefficient. Aeronautical Journal, 2014, 118, 425-433.	1.6	3
15	Adverse Free-Stream Conditions for Transonic Airfoils with Concave Arcs. , 2011, , 887-891.		3
16	Self-sustained oscillations and bifurcations of transonic flow past simple airfoils. Journal of Applied Mechanics and Technical Physics, 2008, 49, 919-925.	0.5	2
17	Transonic flow hysteresis in a twin intake model. Aeronautical Journal, 2018, 122, 1557-1567.	1.6	2
18	On the supersonic three-dimensional flow over an axisymmetric body with a forward-facing annular step. AIP Conference Proceedings, 2018, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Non-uniqueness of transonic flow in an intake-type channel. Journal of Physics: Conference Series, 2019, 1392, 012012.	0.4	2
20	Lift sensitivity analysis for a Whitcomb airfoil with aileron deflections. Progress in Computational Fluid Dynamics, 2015, 15, 10.	0.2	1
21	Transonic flow bifurcations over a double wedge. Journal of Physics: Conference Series, 2020, 1697, 012207.	0.4	1
22	Instability of transonic flow past flattened airfoils. Open Engineering, 2013, 3, .	1.6	0
23	Transonic flow hysteresis in divergent bent channels. IOP Conference Series: Materials Science and Engineering, 2019, 664, 012001.	0.6	0
24	Transonic flow simulation in a bent channel using SU2 software. , 2020, , .		0
25	Transonic flow oscillations over a flat-sided wedge with a blunt base. AIP Conference Proceedings, 2020, , .	0.4	0
26	Instability of local supersonic regions over a flat-sided airfoil with a blunt trailing edge. Journal of Physics: Conference Series, 2021, 2103, 012208.	0.4	0