Kirill A Kazakov

List of Publications by Year
in descending order

27 papers	193 citations	1307594 7 h-index	1125743 13 g-index
28 all docs	28 docs citations	28 times ranked	80 citing authors

#	Article	IF	Citations
1	On-shell description of stationary flames. Physics of Fluids, 2005, 17, 032107.	4.0	31
2	Nonlinear equation for curved stationary flames. Physics of Fluids, 2002, 14, 1166-1181.	4.0	26
3	Exact Equation for Curved Stationary Flames with Arbitrary Gas Expansion. Physical Review Letters, 2005, 94, 094501.	7.8	20
4	Effect of Vorticity Production on the Structure and Velocity of Curved Flames. Physical Review Letters, 2002, 88, 064502.	7.8	14
5	Nonperturbative Approach to the Nonlinear Dynamics of Two-Dimensional Premixed Flames. Physical Review Letters, 2008, 100, 174501.	7.8	11
6	Analytical study in the mechanism of flame movement in horizontal tubes. Physics of Fluids, 2012, 24, .	4.0	11
7	Premixed flame propagation in vertical tubes. Physics of Fluids, 2016, 28, .	4.0	10
8	NONLINEAR THEORY OF FLAME FRONT INSTABILITY. Combustion Science and Technology, 2002, 174, 129-151.	2.3	8
9	Premixed Flame Propagation in Channels of Varying Width. SIAM Journal on Applied Mathematics, 2010, 70, 3287-3318.	1.8	6
10	QUANTUM FLUCTUATIONS OF A COULOMB POTENTIAL AS A SOURCE OF FLICKER NOISE. International Journal of Modern Physics B, 2006, 20, 233-248.	2.0	5
11	Stability analysis of confined V-shaped flames in high-velocity streams. Physical Review E, 2010, 81, 066312.	2.1	5
12	Quantum fluctuations of the Coulomb potential as a source of flicker noise: the influence of external electric field. Journal of Physics A, 2006, 39, 7125-7140.	1.6	4
13	Quantum fluctuations of Coulomb potential as a source of Flicker noise: the influence of a heat bath. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 5277-5296.	2.1	4
14	On the anomalous flicker noise intensity in high-temperature superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4393-4396.	2.1	4
15	Analytical treatment of 2D steady flames anchored in high-velocity streams. Physica D: Nonlinear Phenomena, 2010, 239, 600-612.	2.8	4
16	Analytical study in the mechanism of flame movement in horizontal tubes. II. Flame acceleration in smooth open tubes. Physics of Fluids, 2013, 25, .	4.0	4
17	A case study on the scaling of 1/<i>f</i> noise: La2/3Sr1/3MnO3 Thin films. Journal of Applied Physics, 2013, 113, .	2.5	4
18	The mean velocity profile of near-wall turbulent flow: is there anything in between the logarithmic and power laws?. Journal of Turbulence, 2016, 17, 1015-1047.	1.4	4

#	ARTICLE	IF	CITATIONS
19	1/f noise and quantum indeterminacy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126812.	2.1	4
20	Mechanism of Partial Flame Propagation and Extinction in a Strong Gravitational Field. Physical Review Letters, 2015, 115, 264501.	7.8	3
21	CLASSICAL SCALE OF QUANTUM GRAVITY. International Journal of Modern Physics D, 2003, 12, 1715-1719.	2.1	2
22	Unbounded -spectrum from quantum fluctuations of the Coulomb potential at finite temperature. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 749-755.	2.1	2
23	Experimental and theoretical study of iron and mild steel combustion in oxygen flows. Physics of Fluids, 2017, 29, .	4.0	2
24	Flicker Noise From Quantum Fluctuations of the Coulomb Potential. AIP Conference Proceedings, 2007, , .	0.4	1
25	Effect of vorticity flip-over on the premixed flame structure: Experimental observation of type-I inflection flames. Physical Review E, 2015, 92, 063004.	2.1	1
26	Numerical study of strongly-nonlinear regimes of steady premixed flame propagation. The effect of thermal gas expansion and finite-front-thickness effects. Combustion Theory and Modelling, 2018, 22, 835-861.	1.9	1
27	A quantum bound on the 1/f noise in semiconductors with a conical energy-momentum dispersion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 419, 127741.	2.1	1