

# Tlekkabul Ramazanov

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,233  
citations

394421

19  
h-index

377865

34  
g-index

59  
all docs

59  
docs citations

59  
times ranked

331  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-atom interactions in dense semiclassical helium plasma. <i>Physics of Plasmas</i> , 2022, 29, 012101.	1.9	3
2	The Effect of Non-Thermal Atmospheric Pressure Plasma Treatment of Wheat Seeds on Germination Parameters and $\alpha$ -Amylase Enzyme Activity. <i>IEEE Transactions on Plasma Science</i> , 2022, 50, 330-340.	1.3	7
3	Preliminary Study of the Solid-State Pulsed Plasma Thruster Model with Graphite as $D^o$ Propellant. <i>Plasma Physics Reports</i> , 2022, 48, 263-270.	0.9	0
4	Investigation of the Evolution of Be, Ni, Mo, and W Dust Grains in Fusion Plasma. <i>Plasma Physics Reports</i> , 2021, 47, 92-95.	0.9	1
5	Rotation of dust particles in an inhomogeneous weak magnetic field in a DC glow discharge. <i>Physics of Plasmas</i> , 2021, 28, 074503.	1.9	2
6	Ion core effect on scattering processes in dense plasmas. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	5
7	Surface Waves in a Collisional Quark-Gluon Plasma. <i>Physics of Particles and Nuclei Letters</i> , 2020, 17, 803-808.	0.4	2
8	Melting, freezing, and dynamics of two-dimensional dipole systems in screening bulk media. <i>Physical Review E</i> , 2020, 102, 033205.	2.1	4
9	Ion energy-loss characteristics and friction in a free-electron gas at warm dense matter and nonideal dense plasma conditions. <i>Physical Review E</i> , 2020, 101, 053203.	2.1	24
10	Generation and Diagnostics of Pulse Plasma Flows. <i>Plasma Physics Reports</i> , 2020, 46, 465-471.	0.9	6
11	Collision between a charged particle and a polarizable neutral particle in plasmas. <i>Physics of Plasmas</i> , 2020, 27, 044502.	1.9	2
12	Charging of a Dust Particle in a Magnetized Gas Discharge Plasma. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3052-3056.	1.3	13
13	Experimental Investigation of the Properties of Plasma-Dust Formations on Pulsed Plasma Accelerator. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3047-3051.	1.3	7
14	Quantum hydrodynamics for plasmasâ€” <i>Quo vadis</i> ?. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	76
15	Simulation of Dynamic Characteristics of Beryllium, Carbon, and Tungsten Dust in the Edge Fusion Plasma. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3041-3043.	1.3	2
16	Dynamical structure factor of strongly coupled ions in a dense quantum plasma. <i>Physical Review E</i> , 2019, 99, 053203.	2.1	37
17	Rotation of Dust Structures in a Magnetic Field in a DC Glow Discharge. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3036-3040.	1.3	13
18	Investigation of Synthesis of Carbon Nanowalls by the Chemical Vapor Deposition Method in the Plasma of a Radio Frequency Capacitive Discharge. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3044-3046.	1.3	8

#	ARTICLE	IF	CITATIONS
19	Kinetic ionization and recombination coefficients in the dense semiclassical plasmas on the basis of the effective interaction potential. Journal of Physics: Conference Series, 2019, 1400, 077035.	0.4	4
20	Effect of dynamic screening on the electron capture process in nonideal plasma. Journal of Physics: Conference Series, 2019, 1385, 012031.	0.4	4
21	Theoretical foundations of quantum hydrodynamics for plasmas. Physics of Plasmas, 2018, 25, .	1.9	119
22	The Effect of Magnetic Field on Dust Dynamic in the Edge Fusion Plasma. IEEE Transactions on Plasma Science, 2018, 46, 832-834.	1.3	12
23	Investigation of Hydrodynamic Properties of Hot Dense Plasma. Physics of Wave Phenomena, 2018, 26, 327-333.	1.1	1
24	Structural characteristics of strongly coupled ions in a dense quantum plasma. Physical Review E, 2018, 98, 023207.	2.1	51
25	Dynamical conductivity of the dense semiclassical plasmas on the basis of the effective potential. Physics of Plasmas, 2018, 25, .	1.9	10
26	Scattering cross sections of the particles in the partially ionized dense nonideal plasmas. Physics of Plasmas, 2017, 24, .	1.9	20
27	Grain surface heating in cryogenic environment. Physics of Plasmas, 2017, 24, 050701.	1.9	6
28	Over the barrier electron transfer from a micron sized charged dust particle to an ion in gas discharge plasmas. Physics of Plasmas, 2017, 24, 064501.	1.9	0
29	Notes on Anomalous Quantum Wake Effects. Contributions To Plasma Physics, 2016, 56, 442-447.	1.1	19
30	Effective Potentials for Charge-Neutral Helium and Charge-Singly Ionized Helium Interactions in a Dense Plasma. Contributions To Plasma Physics, 2016, 56, 411-418.	1.1	2
31	Interaction between ions in hot dense plasma via screened Cornell potential. Physics of Plasmas, 2016, 23, .	1.9	5
32	Classical scattering and stopping power in dense plasmas: the effect of diffraction and dynamic screening. Laser and Particle Beams, 2016, 34, 457-466.	1.0	19
33	Synthesis of Microparticles With Narrow Size Distribution in the Plasma of Arc and Radio-Frequency Discharges. IEEE Transactions on Plasma Science, 2016, 44, 870-873.	1.3	2
34	Multipole expansion in plasmas: Effective interaction potentials between compound particles. Physical Review E, 2016, 93, 053204.	2.1	26
35	Effect of Dipole-Dipole Interaction on the Compressional Oscillations in Two-Dimensional Yukawa liquids. Contributions To Plasma Physics, 2016, 56, 391-396.	1.1	4
36	Scattering of Dust Particles With Nonzero Dipole Moments. IEEE Transactions on Plasma Science, 2016, 44, 568-570.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Electrodynamic Properties of Dense Semiclassical Plasmas. IEEE Transactions on Plasma Science, 2016, 44, 501-504.	1.3	0
38	Structural Properties of Buffer and Complex Plasmas in RF Gas Discharge-Imposed Electrostatic Field. IEEE Transactions on Plasma Science, 2016, 44, 469-472.	1.3	6
39	Manipulation of Dusty Plasma Properties via Driving Voltage Waveform Tailoring in a Capacitive Radiofrequency Discharge. IEEE Transactions on Plasma Science, 2016, 44, 545-548.	1.3	13
40	Dust Particle Evolution in the Divertor Plasma. IEEE Transactions on Plasma Science, 2016, 44, 525-527.	1.3	15
41	Effective potentials of interactions and thermodynamic properties of a nonideal two-temperature dense plasma. Physical Review E, 2015, 92, 023104.	2.1	55
42	Statically screened ion potential and Bohm potential in a quantum plasma. Physics of Plasmas, 2015, 22, .	1.9	94
43	Ion potential in warm dense matter: Wake effects due to streaming degenerate electrons. Physical Review E, 2015, 91, 023102.	2.1	35
44	Dynamical Screening and Wake Effects in Classical, Quantum, and Ultrarelativistic Plasmas. Contributions To Plasma Physics, 2015, 55, 186-191.	1.1	30
45	Investigation of Coulomb Logarithm and Relaxation Processes in Dense Plasma on the Basis of Effective Potentials. Contributions To Plasma Physics, 2015, 55, 271-276.	1.1	21
46	Effect of dust particle polarization on scattering processes in complex plasmas. Physics of Plasmas, 2015, 22, 063703.	1.9	22
47	Dynamical properties of non-ideal plasma on the basis of effective potentials. Physics of Plasmas, 2013, 20, .	1.9	23
48	Pair Interaction Potential of Particles for Two-Component Plasma. Contributions To Plasma Physics, 2012, 52, 207-210.	1.1	14
49	Plasma-dust structures in He-Ar DC glow discharge. Bulletin of the Lebedev Physics Institute, 2012, 39, 7-11.	0.6	3
50	Interaction between glow discharge plasma and dust particles. Thermophysics and Aeromechanics, 2011, 18, 615-627.	0.5	22
51	A scattering cross-section and ionization equilibrium in dense metal plasmas. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 214049.	2.1	30
52	Effective Interaction Potentials and Physical Properties of Complex Plasmas. , 2009, , .		0
53	Non-local Effects in a Stratified Glow Discharge With Dusty Particles. AIP Conference Proceedings, 2008, , .	0.4	0
54	Effective Polarization Potential and Scattering Processes in a Partially Ionized Plasma. Contributions To Plasma Physics, 2007, 47, 267-271.	1.1	9

#	ARTICLE	IF	CITATIONS
55	Microscopic and thermodynamic properties of dense semiclassical partially ionized hydrogen plasma. Journal of Physics A, 2006, 39, 4469-4474.	1.6	20
56	Cross sections and transport coefficients of dense partially ionized semiclassical plasma. Journal of Physics A, 2006, 39, 4335-4340.	1.6	30
57	Effective polarization interaction potential "charge-atom" for partially ionized dense plasma. Physics of Plasmas, 2005, 12, 092702.	1.9	114
58	Effective screened potentials of strongly coupled semiclassical plasma. Physics of Plasmas, 2002, 9, 3758-3761.	1.9	159
59	Ring dust structures in a weak inhomogeneous magnetic field. Contributions To Plasma Physics, 0, , .	1.1	0