Pramit Rej

List of Publications by Year
in descending order

61 papers	**982** citations	394421 **19** h-index	501196 **28** g-index
62 all docs	**62** docs citations	**62** times ranked	**192** citing authors

#	Article	IF	Citations
1	Phantom energy-supported wormhole model in f(R,T) gravity assuming conformal motion. International Journal of Modern Physics D, 2022, 31, .	2.1	7
2	Model of hybrid star with baryonic and strange quark matter in Tolman–Kuchowicz spacetime. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	8
3	Tolman IV fluid sphere in $f(R,\mathcal{T})$ gravity. Chinese Journal of Physics, 2022, 77, 2201-2212.	3.0	12
4	Photoionization of helium atom embedded in classical non-ideal plasma at high non-relativistic photon energies. Physics of Plasmas, 2022, 29, .	1.9	9
5	Scattering of slow electron from hydrogen atom in non-ideal classical plasmas: Zero-energy resonances. Physics of Plasmas, 2021, 28, .	1.9	12
6	Stability of the helium atom embedded in classical nonideal plasmas. International Journal of Quantum Chemistry, 2021, 121, e26649.	2.0	12
7	Charged compact star in f(R,ÂT) gravity in Tolman–Kuchowicz spacetime. European Physical Journal C, 2021, 81, 1.	3.9	44
8	Charged strange star in $f(R,T)$ gravity with linear equation of state. Astrophysics and Space Science, 2021, 366, 1.	1.4	25
9	Charged gravastar model in f(T) gravity admitting conformal motion. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150112.	2.0	8
10	Relativistic compact stars in Tolman spacetime via an anisotropic approach. European Physical Journal C, 2021, 81, 1.	3.9	5
11	Dynamics of positron scattering from lithium, sodium and potassium atoms in hot and dense plasmas. Chinese Journal of Physics, 2021, 71, 273-285.	3.9	6
12	Finch–Skea star model in f(R,T) theory of gravity. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150160.	2.0	12
13	Compact stellar model in the presence of pressure anisotropy in modified Finch Skea space–time. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	5
14	Stable and self-consistent charged gravastar model within the framework of $$f(R,,T)$$ gravity. European Physical Journal C, 2021, 81, 1.	3.9	20
15	Dynamics of Positron Scattering from Lithium, Sodium and Potassium Atoms in Quantum Plasmas. Few-Body Systems, 2021, 62, 1.	1.5	4
16	Doubly excited states in hot and dense plasmas: Beryllium-like ions for $Z \geq 4 \ge 10$. Chinese Journal of Physics, 2021, 73, 340-348.	3.9	2
17	Electron transfer in proton–hydrogen collisions in dense semi–classical hydrogen plasma. Contributions To Plasma Physics, 2021, 61, e202000212.	1.1	2
18	Photodetachment of H$^-$ in non-ideal classical plasmas. Physics of Plasmas, 2021, 28, .	1.9	8

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19	S-wave resonances below the Ps($$n=2$$) threshold in positronic sodium interacting with screened Coulomb potentials. Indian Journal of Physics, 2020, 94, 1495-1503.	1.8	6
20	Stability and collision dynamics of electron–proton in dense semi-classical hydrogen plasma. Physics of Plasmas, 2020, 27, .	1.9	8
21	Electron transfer in proton–hydrogen collisions in nonideal classical plasmas. Contributions To Plasma Physics, 2020, 60, e202000080.	1.1	13
22	Stability of the negative ion of hydrogen in nonideal classical plasmas. Physical Review E, 2020, 101, 043202.	2.1	19
23	Properties of the Positronium Negative Ion Embedded in Non-ideal Classical Plasmas. Few-Body Systems, 2020, 61, 1.	1.5	16
24	Stability of hydrogen atom in non-ideal classical plasmas. Physics of Plasmas, 2019, 26, .	1.9	26
25	Scattering in non-ideal classical plasmas: Scattering length and zero-energy resonances. Physics of Plasmas, 2019, 26, .	1.9	16
26	Doubly-Excited States of Beryllium-Like Ions with Screened Coulomb Potentials. Atoms, 2018, 6, 41.	1.6	1
27	S-Wave Resonances Below the Ps($$\hbox {n}\displaystyle = 2$$ n = 2) Excitation Threshold of the Positron–Helium System Embedded in Dense Quantum Plasma. Few-Body Systems, 2017, 58, 1.	1.5	6
28	Positron scattering from hydrogen atom in dense quantum plasmas: Positronium formation in Rydberg states. Physics of Plasmas, 2017, 24, 043506.	1.9	4
29	Electron transfer in proton-hydrogen collisions under dense quantum plasma. European Physical Journal D, 2017, 71, 1.	1.3	7
30	Resonances in positronic lithium in hot and dense plasmas. Physical Review A, 2017, 95, .	2.5	16
31	An Investigation on the He⁻(1s2s2 2S) Resonance in Debye Plasmas. Atoms, 2017, 5, 2.	1.6	1
32	S-wave resonances below the Ps(n = 2) excitation threshold of the e+ –̃ He system embedded in Debye plasma. European Physical Journal D, 2016, 70, 1.	1.3	10
33	Excited-state positronium formation in positron–hydrogen collisions under weakly coupled plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 125203.	1.5	10
34	Scaling law for asymptotic cross section: Electron-hydrogen collisions. Chinese Journal of Physics, 2016, 54, 659-667.	3.9	3
35	Asymptotic cross section and scaling law: positronium formation in Rydberg states in positron–hydrogen collisions. Indian Journal of Physics, 2016, 90, 749-757.	1.8	3
36	Formation of H̄… in p̄…-Ps collisions embedded in plasmas. European Physical Journal D, 2016, 70, 1.	1.3	3

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37	Charge transfer in proton-hydrogen collisions under Debye plasma. Physics of Plasmas, 2015, 22, .	1.9	11
38	Positron impact excitations of hydrogen atom embedded in dense quantum plasmas: Formation of Rydberg atoms. Physics of Plasmas, 2014, 21, 113509.	1.9	13
39	Positron scattering from hydrogen atom with screened Coulomb potentials. AIP Conference Proceedings, 2014, , .	0.4	7
40	Positron impact excitations of hydrogen atom embedded in weakly coupled plasmas: Formation of Rydberg atoms. Physics of Plasmas, 2014, 21, 093507.	1.9	20
41	Rydberg transitions for positronâ€"hydrogen collisions: asymptotic cross section and scaling law. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 015204.	1.5	5
42	Positron scattering from hydrogen atom embedded in dense quantum plasma. Physics of Plasmas, 2013, 20, .	1.9	31
43	Positron scattering from hydrogen atom embedded in weakly coupled plasma. Physics of Plasmas, 2013, 20, 013506.	1.9	21
44	Dynamics of $e^+ + H(ns) \dagger\vert Ps(n's) + p$ in dense quantum plasmas. Physica Scripta, 2013, 88, 045301.	2.5	13
45	Dynamics of $e^+ + H(ns) \rightarrow e^+ + H(n's)$ with exponential cosine-screened Coulomb potentials. Physica Scripta, 2012, 85, 035301.	2.5	29
46	Dynamics of positronium formation in positron-hydrogen collisions embedded in weakly coupled plasmas. Physics of Plasmas, 2012, 19, .	1.9	27
47	Properties of hydrogen molecular ion with static screened coulomb and exponential cosine screened coulomb potentials. International Journal of Quantum Chemistry, 2011, 111, 4288-4295.	2.0	20
48	Elastic scattering of positrons from hydrogen atoms with exponential cosine-screened Coulomb potentials. Physica Scripta, 2011, 83, 065301.	2.5	25
49	TWO-ELECTRON SYSTEM IN THE FIELD OF GENERALIZED SCREENED POTENTIAL. Modern Physics Letters B, 2011, 25, 1619-1629.	1.9	28
50	Photodetachment of the Positronium Negative Ion with Exponential Cosine-Screened Coulomb Potentials. Few-Body Systems, 2010, 47, 185-192.	1.5	8
51	Photodetachment of H^- in dense quantum plasmas. Physical Review E, 2010, 81, 016403.	2.1	34
52	Borromean bindings in muonic molecular ions with screened Coulomb potentials. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 115007.	1.5	23
53	Doubly excited resonance states of helium in exponential cosine-screened Coulomb potentials. Physical Review A, 2009, 79, .	2.5	59
54	Ground states and doubly excited resonance states of H^- embedded in dense quantum plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175006.	1.5	50

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55	Properties of the Positronium Negative Ion Interacting with Exponential Cosine-Screened Coulomb Potentials. Few-Body Systems, 2009, 46, 249-256.	1.5	24
56	Ground states of helium in exponential-cosine-screened Coulomb potentials. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 075002.	1.5	85
57	Ratios of double-to-single photoionization cross sections of helium atom embedded in dense quantum plasmas at high nonrelativistic photon energies. Physics of Plasmas, 2009, 16, 073302.	1.9	26
58	e^{+} + H(ns) $\rightarrow$ Ps($n's$) + p for arbitrary n and n'. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 175203.	1.5	12
59	Distorted-wave theory for positron-hydrogen collisions. Physical Review A, 2005, 72, .	2.5	28
60	Elastic differential cross section and critical point for positron-hydrogen collisions. Physical Review A, 2005, 72, .	2.5	13
61	Positron scattering from hydrogen atom embedded in dense quantum plasma. , 0, .		1