

# Pramit Rej

## List of Publications by Year in descending order

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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	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
2	Doubly excited resonance states of helium in exponential cosine-screened Coulomb potentials. Physical Review A, 2009, 79, .	2.5	59
3	Ground states and doubly excited resonance states of $H^{\sim}$ embedded in dense quantum plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175006.	1.5	50
4	Charged compact star in $f(R, \Lambda)$ gravity in Tolman-Kuchowicz spacetime. European Physical Journal C, 2021, 81, 1.	3.9	44
5	Photodetachment of $H^{\sim}$ dense quantum plasmas. Physical Review E, 2010, 81, 016403.	2.1	34
6	Positron scattering from hydrogen atom embedded in dense quantum plasma. Physics of Plasmas, 2013, 20, .	1.9	31
7	Dynamics of $e^{\sim} + H^{\sim}$ ( $n \leq 2$ ) with exponential cosine-screened Coulomb potentials. Physica Scripta, 2012, 85, 035301.	2.5	29
8	Distorted-wave theory for positron-hydrogen collisions. Physical Review A, 2005, 72, .	2.5	28
9	TWO-ELECTRON SYSTEM IN THE FIELD OF GENERALIZED SCREENED POTENTIAL. Modern Physics Letters B, 2011, 25, 1619-1629.	1.9	28
10	Dynamics of positronium formation in positron-hydrogen collisions embedded in weakly coupled plasmas. Physics of Plasmas, 2012, 19, .	1.9	27
11	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
12	Stability of hydrogen atom in non-ideal classical plasmas. Physics of Plasmas, 2019, 26, .	1.9	26
13	Elastic scattering of positrons from hydrogen atoms with exponential cosine-screened Coulomb potentials. Physica Scripta, 2011, 83, 065301.	2.5	25
14	Charged strange star in $f(R, T)$ gravity with linear equation of state. Astrophysics and Space Science, 2021, 366, 1.	1.4	25
15	Properties of the Positronium Negative Ion Interacting with Exponential Cosine-Screened Coulomb Potentials. Few-Body Systems, 2009, 46, 249-256.	1.5	24
16	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
17	Positron scattering from hydrogen atom embedded in weakly coupled plasma. Physics of Plasmas, 2013, 20, 013506.	1.9	21
18	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

#	ARTICLE	IF	CITATIONS
19	Positron impact excitations of hydrogen atom embedded in weakly coupled plasmas: Formation of Rydberg atoms. <i>Physics of Plasmas</i> , 2014, 21, 093507.	1.9	20
20	Stable and self-consistent charged gravastar model within the framework of $f(R,T)$ gravity. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	20
21	Stability of the negative ion of hydrogen in nonideal classical plasmas. <i>Physical Review E</i> , 2020, 101, 043202.	2.1	19
22	Resonances in positronic lithium in hot and dense plasmas. <i>Physical Review A</i> , 2017, 95, .	2.5	16
23	Scattering in non-ideal classical plasmas: Scattering length and zero-energy resonances. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	16
24	Properties of the Positronium Negative Ion Embedded in Non-ideal Classical Plasmas. <i>Few-Body Systems</i> , 2020, 61, 1.	1.5	16
25	Elastic differential cross section and critical point for positron-hydrogen collisions. <i>Physical Review A</i> , 2005, 72, .	2.5	13
26	Dynamics of $e^+ + H(n \rightarrow i) \rightarrow Ps(n \rightarrow i) + p$ in dense quantum plasmas. <i>Physica Scripta</i> , 2013, 88, 045301.	2.5	13
27	Positron impact excitations of hydrogen atom embedded in dense quantum plasmas: Formation of Rydberg atoms. <i>Physics of Plasmas</i> , 2014, 21, 113509.	1.9	13
28	Electron transfer in proton-hydrogen collisions in nonideal classical plasmas. <i>Contributions To Plasma Physics</i> , 2020, 60, e202000080.	1.1	13
29	$e^+ + H(n \rightarrow i) \rightarrow Ps(n \rightarrow i) + p$ for arbitrary $n$ and $i \leq 2$ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 175203.	1.5	12
30	Scattering of slow electron from hydrogen atom in non-ideal classical plasmas: Zero-energy resonances. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	12
31	Stability of the helium atom embedded in classical nonideal plasmas. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26649.	2.0	12
32	Finch's star model in $f(R,T)$ theory of gravity. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2150160.	2.0	12
33	Tolman IV fluid sphere in $f(R,T)$ theory of gravity. <i>Chinese Journal of Physics</i> , 2022, 77, 2201-2212.		
34	Charge transfer in proton-hydrogen collisions under Debye plasma. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	11
35	S-wave resonances below the $Ps(n = 2)$ excitation threshold of the $e^+ \text{He}$ system embedded in Debye plasma. <i>European Physical Journal D</i> , 2016, 70, 1.	1.3	10
36	Excited-state positronium formation in positron-hydrogen collisions under weakly coupled plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 125203.	1.5	10

#	ARTICLE	IF	CITATIONS
37	Photoionization of helium atom embedded in classical non-ideal plasma at high non-relativistic photon energies. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	9
38	Photodetachment of the Positronium Negative Ion with Exponential Cosine-Screened Coulomb Potentials. <i>Few-Body Systems</i> , 2010, 47, 185-192.	1.5	8
39	Stability and collision dynamics of electron-proton in dense semi-classical hydrogen plasma. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	8
40	Charged gravastar model in $f(T)$ gravity admitting conformal motion. <i>International Journal of Geometric Methods in Modern Physics</i> , 2021, 18, 2150112.	2.0	8
41	Model of hybrid star with baryonic and strange quark matter in Tolman-Kuchowicz spacetime. <i>International Journal of Geometric Methods in Modern Physics</i> , 2022, 19, .	2.0	8
42	Photodetachment of $H\alpha^+$ in non-ideal classical plasmas. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	8
43	Positron scattering from hydrogen atom with screened Coulomb potentials. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	7
44	Electron transfer in proton-hydrogen collisions under dense quantum plasma. <i>European Physical Journal D</i> , 2017, 71, 1.	1.3	7
45	Phantom energy-supported wormhole model in $f(R,T)$ gravity assuming conformal motion. <i>International Journal of Modern Physics D</i> , 2022, 31, .	2.1	7
46	S-Wave Resonances Below the $Ps(n=2)$ Excitation Threshold of the Positronium-Helium System Embedded in Dense Quantum Plasma. <i>Few-Body Systems</i> , 2017, 58, 1.	1.5	6
47	S-wave resonances below the $Ps(n=2)$ threshold in positronic sodium interacting with screened Coulomb potentials. <i>Indian Journal of Physics</i> , 2020, 94, 1495-1503.	1.8	6
48	Dynamics of positron scattering from lithium, sodium and potassium atoms in hot and dense plasmas. <i>Chinese Journal of Physics</i> , 2021, 71, 273-285.	3.9	6
49	Rydberg transitions for positronium-hydrogen collisions: asymptotic cross section and scaling law. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 015204.	1.5	5
50	Relativistic compact stars in Tolman spacetime via an anisotropic approach. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	5
51	Compact stellar model in the presence of pressure anisotropy in modified Finch Skea spacetime. <i>Journal of Astrophysics and Astronomy</i> , 2021, 42, 1.	1.0	5
52	Positron scattering from hydrogen atom in dense quantum plasmas: Positronium formation in Rydberg states. <i>Physics of Plasmas</i> , 2017, 24, 043506.	1.9	4
53	Dynamics of Positron Scattering from Lithium, Sodium and Potassium Atoms in Quantum Plasmas. <i>Few-Body Systems</i> , 2021, 62, 1.	1.5	4
54	Scaling law for asymptotic cross section: Electron-hydrogen collisions. <i>Chinese Journal of Physics</i> , 2016, 54, 659-667.	3.9	3

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55	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
56	Formation of H <sub>2</sub> <sup>+</sup> in p <sup>+</sup> -Ps collisions embedded in plasmas. European Physical Journal D, 2016, 70, 1.	1.3	3
57	Doubly excited states in hot and dense plasmas: Beryllium-like ions for $Z < 4$ . Chinese Journal of Physics, 2021, 73, 340-348.	3.9	2
58	Electron transfer in proton-hydrogen collisions in dense semi-classical hydrogen plasma. Contributions To Plasma Physics, 2021, 61, e202000212.	1.1	2
59	An Investigation on the He <sup>+</sup> (1s2s2 2S) Resonance in Debye Plasmas. Atoms, 2017, 5, 2.	1.6	1
60	Doubly-Excited States of Beryllium-Like Ions with Screened Coulomb Potentials. Atoms, 2018, 6, 41.	1.6	1
61	Positron scattering from hydrogen atom embedded in dense quantum plasma. , 0, .		1