

# Palash Baran Pal

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

660  
citations

759233

12  
h-index

552781

26  
g-index

57  
all docs

57  
docs citations

57  
times ranked

557  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covariant formulation of electrodynamics in isotropic media. European Journal of Physics, 2022, 43, 015204.	0.6	3
2	Custodial symmetry, the Georgi-Machacek model, and other scalar extensions. Physical Review D, 2022, 105, .	4.7	5
3	SO(10) unification with horizontal symmetry. Physical Review D, 2020, 102, .	4.7	1
4	Photon propagation in nontrivial backgrounds. Physical Review D, 2020, 102, .	4.7	5
5	Crossed two-Higgs-doublet models: Reduction of Yukawa parameters in the low-scale limit of left-right symmetry and other avatars. Physical Review D, 2020, 102, .	4.7	1
6	Rules of Logic. , 2019, , 3-17.		0
7	Sets and Functions. , 2019, , 18-36.		0
8	Algebraic Structures. , 2019, , 37-64.		0
9	Operators on Vector Spaces. , 2019, , 88-125.		0
10	Infinite Dimensional Vector Spaces. , 2019, , 126-152.		0
11	General Properties of Groups. , 2019, , 155-186.		0
12	Finite Groups. , 2019, , 187-226.		0
13	Representation of Finite Groups. , 2019, , 227-280.		1
14	Symmetries of Regular Geometrical Objects. , 2019, , 281-310.		0
15	Countably Infinite Groups. , 2019, , 311-325.		0
16	General Properties of Lie Groups. , 2019, , 326-357.		0
17	Rotations and Translations. , 2019, , 358-392.		0
18	Unitary Groups and Their Representations. , 2019, , 393-419.		0

#	ARTICLE	IF	CITATIONS
19	Orthogonal Groups and Their Representations. , 2019, , 420-457.		0
20	Parameter Space of Lie Groups. , 2019, , 458-471.		0
21	Representations of the Lorentz Group. , 2019, , 472-502.		0
22	Roots and Weights. , 2019, , 503-547.		0
23	Some Other Groups and Algebras. , 2019, , 548-594.		0
24	Continuity of Functions. , 2019, , 597-606.		0
25	Topological Spaces. , 2019, , 607-630.		0
26	Homotopy Theory. , 2019, , 631-654.		0
27	Homology. , 2019, , 655-674.		0
28	$S_3$ flavored left-right symmetric model of quarks. Physical Review D, 2018, 98, .	4.7	7
29	Involution symmetries and the PMNS matrix. Pramana - Journal of Physics, 2017, 89, 1.	1.8	0
30	Quark mixing in an $S_3$ symmetric model with two Higgs doublets. Physical Review D, 2017, 96, .	4.7	13
31	Coxeter groups and the PMNS matrix. European Physical Journal C, 2017, 77, 1.	3.9	2
32	$S_3$ symmetry and the quark mixing matrix. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 315-318.	4.1	25
33	Number of fermion generations from a novel grand unified model. European Physical Journal C, 2014, 74, 1.	3.9	2
34	Scalar sector properties of two-Higgs-doublet models with a global $U(1)$ symmetry. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
35	Dirac, Majorana, and Weyl fermions. American Journal of Physics, 2011, 79, 485-498.	0.7	128
36	At the root of things. Resonance, 2009, 14, 544-567.	0.3	1

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37	Angular momentum non-conserving decays in isotropic media. European Physical Journal C, 2009, 63, 331-342.	3.9	1
38	Radiative neutrino decay and CP-violation in R-parity violating supersymmetry. Physical Review D, 2006, 74, .	4.7	1
39	Inverse beta decay of arbitrarily polarized neutrons in a magnetic field. Pramana - Journal of Physics, 2004, 62, 1041-1058.	1.8	20
40	Generalized Fierz identities. American Journal of Physics, 2004, 72, 1100-1108.	0.7	86
41	THERMODYNAMICS OF A CLASSICAL IDEAL GAS AT ARBITRARY TEMPERATURES. International Journal of Modern Physics B, 2003, 17, 1035-1041.	2.0	1
42	Determination of cosmological parameters: An introduction for non-specialists. Pramana - Journal of Physics, 2000, 54, 79-91.	1.8	6
43	NEUTRINO SCATTERING IN STRONG MAGNETIC FIELDS. , 2000, , .		0
44	Faraday effect: A field theoretical point of view. Physical Review D, 1999, 60, .	4.7	32
45	NON-UNIVERSAL GRAVITATIONAL COUPLINGS OF NEUTRINOS IN MATTER. Modern Physics Letters A, 1999, 14, 1199-1207.	1.2	6
46	Particle dark matter: An overview. Pramana - Journal of Physics, 1999, 53, 1053-1059.	1.8	1
47	NUCLEON INSTABILITY IN A SUPERSYMMETRIC $SU(3)_C \times SU(3)_L \times U(1)$ MODEL. Modern Physics Letters A, 1998, 13, 2355-2360.	1.2	30
48	Third electromagnetic constant of an isotropic medium. American Journal of Physics, 1994, 62, 207-216.	0.7	35
49	Implications of results from the CERN $e^+e^-$ collider LEP for $SO(10)$ grand unification with two intermediate stages. Physical Review D, 1993, 47, 2892-2896.	4.7	46
50	Implications of the CERN LEP results for $SO(10)$ grand unification. Physical Review D, 1992, 46, 2261-2264.	4.7	89
51	P- and CP-odd terms in the photon self-energy within a medium. Physical Review D, 1989, 39, 652-659.	4.7	55
52	Propagation of gauge fields within a medium. Physical Review D, 1989, 40, 1350-1353.	4.7	5