B C Chanyal

List of Publications by Year
in descending order

27 papers	473 citations	623734 14 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	43 citing authors

#	Article	IF	Citations
1	Generalized Octonion Electrodynamics. International Journal of Theoretical Physics, 2010, 49, 1333-1343.	1.2	73
2	Generalized Split-Octonion Electrodynamics. International Journal of Theoretical Physics, 2011, 50, 1919-1926.	1.2	35
3	Octonion Quantum Chromodynamics. International Journal of Theoretical Physics, 2012, 51, 3410-3422.	1.2	34
4	Octonion massive electrodynamics. General Relativity and Gravitation, 2014, 46, 1.	2.0	27
5	Octonionic Gravi-Electromagnetism and Dark Matter. International Journal of Theoretical Physics, 2015, 54, 3516-3532.	1.2	24
6	OCTONION AND CONSERVATION LAWS FOR DYONS. International Journal of Modern Physics A, 2013, 28, 1350125.	1.5	22
7	Octonion generalization of Pauli and Dirac matrices. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550007.	2.0	21
8	A relativistic quantum theory of dyons wave propagation. Canadian Journal of Physics, 2017, 95, 1200-1207.	1.1	21
9	Sedenion unified theory of gravi-electromagnetism. Indian Journal of Physics, 2014, 88, 1197-1205.	1.8	19
10	Classical Geometrodynamics with Zorn Vector-Matrix Algebra for Gravito-Dyons. Reports on Mathematical Physics, 2015, 76, 1-20.	0.8	18
11	Split octonion reformulation of generalized linear gravitational field equations. Journal of Mathematical Physics, 2015, 56, 051702.	1.1	17
12	Dual octonion electrodynamics with the massive field of dyons. Journal of Mathematical Physics, 2016, 57, .	1.1	17
13	A comparative study of quaternionic rotational Dirac equation and its interpretation. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050018.	2.0	17
14	Octonionic Non-Abelian Gauge Theory. International Journal of Theoretical Physics, 2013, 52, 3522-3533.	1.2	16
15	Octonion symmetric Dirac--Maxwell equations. Turkish Journal of Physics, 2014, 38, 174-186.	1.1	15
16	A new approach on electromagnetism with dual number coefficient octonion algebra. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1630013.	2.0	15
17	Quaternionic Approach to Dual Magnetohydrodynamics of Dyonic Cold Plasma. Advances in High Energy Physics, 2018, 2018, 1-13.	1.1	15
18	Quaternionic approach on the Dirac–Maxwell, Bernoulli and Navier–Stokes equations for dyonic fluid plasma. International Journal of Modern Physics A, 2019, 34, 1950202.	1.5	15

#	Article	IF	Citations
19	OCTONION ELECTRODYNAMICS IN ISOTROPIC AND CHIRAL MEDIUM. International Journal of Modern Physics A, 2014, 29, 1450008.	1.5	14
20	Generalized Klein–Gordon field equations with octonion space-time (OST) algebra. Chinese Journal of Physics, 2017, 55, 432-443.	3.9	12
21	Octonionic matrix representation and electromagnetism. Journal of the Korean Physical Society, 2014, 65, 1715-1728.	0.7	9
22	Dual number coefficient octonion algebra, field equations and conservation laws. Analysis and Mathematical Physics, 2017, 7, 319-334.	1.3	6
23	Split Octonion Reformulation for Electromagnetic Chiral Media of Massive Dyons. Communications in Theoretical Physics, 2017, 68, 701.	2.5	4
24	On octonion quark confinement condition. Modern Physics Letters A, 2021, 36, .	1.2	3
25	Linearized electromagnetic and gravito-Heavisidian chirality in split octonion space-time. International Journal of Geometric Methods in Modern Physics, 2018, 15, 1850109.	2.0	2
26	Generalized quaternionic free rotational Dirac equation and spinor solutions in the electromagnetic field. International Journal of Geometric Methods in Modern Physics, 2022, 19, .	2.0	2
27	A Complete Set of Conservation Laws of Dyons with the Clifford-Octonion Algebra. Ukrainian Journal of Physics, 2017, 62, 539-544.	0.2	0