

# B C Chanyal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8929508/publications.pdf>

Version: 2024-02-01

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 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
2	On octonion quark confinement condition. Modern Physics Letters A, 2021, 36, .	1.2	3
3	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
4	Quaternionic approach on the Diracâ€“Maxwell, Bernoulli and Navierâ€“Stokes equations for dyonic fluid plasma. International Journal of Modern Physics A, 2019, 34, 1950202.	1.5	15
5	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
6	Quaternionic Approach to Dual Magnetohydrodynamics of Dyonic Cold Plasma. Advances in High Energy Physics, 2018, 2018, 1-13.	1.1	15
7	Generalized Kleinâ€“Gordon field equations with octonion space-time (OST) algebra. Chinese Journal of Physics, 2017, 55, 432-443.	3.9	12
8	A relativistic quantum theory of dyons wave propagation. Canadian Journal of Physics, 2017, 95, 1200-1207.	1.1	21
9	Split Octonion Reformulation for Electromagnetic Chiral Media of Massive Dyons. Communications in Theoretical Physics, 2017, 68, 701.	2.5	4
10	Dual number coefficient octonion algebra, field equations and conservation laws. Analysis and Mathematical Physics, 2017, 7, 319-334.	1.3	6
11	A Complete Set of Conservation Laws of Dyons with the Clifford-Octonion Algebra. Ukrainian Journal of Physics, 2017, 62, 539-544.	0.2	0
12	Dual octonion electrodynamics with the massive field of dyons. Journal of Mathematical Physics, 2016, 57, .	1.1	17
13	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
14	Octonion generalization of Pauli and Dirac matrices. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550007.	2.0	21
15	Octonionic Gravi-Electromagnetism and Dark Matter. International Journal of Theoretical Physics, 2015, 54, 3516-3532.	1.2	24
16	Split octonion reformulation of generalized linear gravitational field equations. Journal of Mathematical Physics, 2015, 56, 051702.	1.1	17
17	Classical Geometroynamics with Zorn Vector-Matrix Algebra for Gravito-Dyons. Reports on Mathematical Physics, 2015, 76, 1-20.	0.8	18
18	OCTONION ELECTRODYNAMICS IN ISOTROPIC AND CHIRAL MEDIUM. International Journal of Modern Physics A, 2014, 29, 1450008.	1.5	14

#	ARTICLE	IF	CITATIONS
19	Sedenion unified theory of gravi-electromagnetism. Indian Journal of Physics, 2014, 88, 1197-1205.	1.8	19
20	Octonionic matrix representation and electromagnetism. Journal of the Korean Physical Society, 2014, 65, 1715-1728.	0.7	9
21	Octonion symmetric Dirac–Maxwell equations. Turkish Journal of Physics, 2014, 38, 174-186.	1.1	15
22	Octonion massive electrodynamics. General Relativity and Gravitation, 2014, 46, 1.	2.0	27
23	Octonionic Non-Abelian Gauge Theory. International Journal of Theoretical Physics, 2013, 52, 3522-3533.	1.2	16
24	OCTONION AND CONSERVATION LAWS FOR DYONS. International Journal of Modern Physics A, 2013, 28, 1350125.	1.5	22
25	Octonion Quantum Chromodynamics. International Journal of Theoretical Physics, 2012, 51, 3410-3422.	1.2	34
26	Generalized Split-Octonion Electrodynamics. International Journal of Theoretical Physics, 2011, 50, 1919-1926.	1.2	35
27	Generalized Octonion Electrodynamics. International Journal of Theoretical Physics, 2010, 49, 1333-1343.	1.2	73