

# Mehedi Kalam

## List of Publications by Year in descending order

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64  
papers

1,493  
citations

394421

19  
h-index

315739

38  
g-index

65  
all docs

65  
docs citations

65  
times ranked

339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical model on mass limits of strange stars. <i>Astrophysics and Space Science</i> , 2022, 367, 1.	1.4	1
2	Lorentzian wormholes supported by tachyon matter. <i>Annals of Physics</i> , 2022, 439, 168778.	2.8	5
3	Properties of rotating neutron stars in light of binary compact object mergers. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	0
4	Traversable wormhole on the brane with non-exotic matter: a broader view. <i>Classical and Quantum Gravity</i> , 2022, 39, 105004.	4.0	12
5	Wormhole in the Milky Way galaxy with global monopole charge. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	6
6	A semi-classical model of regular inflationary cosmology. <i>Physics of the Dark Universe</i> , 2021, 32, 100823.	4.9	1
7	Thin-shell wormhole from ABGBâ€“de Sitter black holes. <i>International Journal of Modern Physics A</i> , 2021, 36, 2150085.	1.5	1
8	Analytical model of millisecond pulsar PSR J0514-4002A. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	1
9	Possible existence of dark matter admixed pulsar. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	4
10	A theoretical construction of thin-shell wormhole from regular charged black holes. <i>International Journal of Modern Physics A</i> , 2020, 35, 2050136.	1.5	2
11	Does dark matter admixed pulsar exist?. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	7
12	Analytical model of strange star in Durgapal spacetime. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	6
13	Analytical model of compact star in low-mass X-ray binary with de Sitter spacetime. <i>Research in Astronomy and Astrophysics</i> , 2019, 19, 026.	1.7	3
14	Neutron stars: a relativistic study. <i>Research in Astronomy and Astrophysics</i> , 2018, 18, 025.	1.7	7
15	Relativistic model of neutron stars in X-ray binary. <i>Modern Physics Letters A</i> , 2017, 32, 1750012.	1.2	8
16	Analytical model of massive Pulsar J0348+0432. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	8
17	Possible radii of compact stars: A relativistic approach. <i>Modern Physics Letters A</i> , 2016, 31, 1650219.	1.2	12
18	Theoretical investigation of the neutron star in low-mass X-ray binary X1822-371 (V691 CrA). <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	2

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19	Analytical model of strange star in low-mass X-ray binary KS 1731-260. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	5
20	Galactic Rotation Curves and Strange Quark Matter with Observational Constraints. <i>International Journal of Theoretical Physics</i> , 2015, 54, 1661-1670.	1.2	0
21	Geodesic Study of a Charged Black Hole. <i>International Journal of Theoretical Physics</i> , 2014, 53, 339-349.	1.2	4
22	ON TOPOLOGICAL DEFECTS AND COSMOLOGICAL CONSTANT. <i>Modern Physics Letters A</i> , 2014, 29, 1450007.	1.2	1
23	Anisotropic quintessence stars. <i>Astrophysics and Space Science</i> , 2014, 349, 865-871.	1.4	71
24	Analytical model of strange star in the low-mass X-ray binary 4U 1820-30. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	17
25	Central density dependent anisotropic compact stars. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	69
26	A Relativistic Model for Strange Quark Star. <i>International Journal of Theoretical Physics</i> , 2013, 52, 3319-3328.	1.2	109
27	ANISOTROPIC COMPACT STARS WITH VARIABLE COSMOLOGICAL CONSTANT. <i>International Journal of Modern Physics D</i> , 2012, 21, 1250088.	2.1	143
28	Anisotropic strange star with de Sitter spacetime. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	138
29	Modeling Galactic Halos with Predominantly Quintessential Matter. <i>International Journal of Theoretical Physics</i> , 2011, 50, 2655-2665.	1.2	8
30	A comparison of Hořava-Lifshitz gravity and Einstein gravity through thin-shell wormhole construction. <i>Classical and Quantum Gravity</i> , 2011, 28, 155021.	4.0	83
31	On role of pressure anisotropy for relativistic stars admitting conformal motion. <i>Astrophysics and Space Science</i> , 2010, 325, 137-147.	1.4	35
32	Perfect fluid dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 694, 10-15.	4.1	47
33	Charged anisotropic matter with linear or nonlinear equation of state. <i>Physical Review D</i> , 2010, 82, .	4.7	198
34	WORMHOLES SUPPORTED BY SCALAR FIELDS WITH NEGATIVE KINETIC ENERGY. <i>International Journal of Modern Physics A</i> , 2009, 24, 5007-5018.	1.5	5
35	MOTION OF MASSIVE AND MASSLESS TEST PARTICLES IN DYADOSPHERE GEOMETRY. <i>Modern Physics Letters A</i> , 2009, 24, 1277-1287.	1.2	4
36	DISCUSSION ON SOME CHARACTERISTICS OF CHARGED BRANE-WORLD BLACK HOLES. <i>International Journal of Modern Physics A</i> , 2009, 24, 719-739.	1.5	6

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37	THIN SHELL WORMHOLE DUE TO DYADOSPHERE OF A CHARGED BLACK HOLE. <i>Modern Physics Letters A</i> , 2009, 24, 53-61.	1.2	20
38	CHAPLYGIN ELECTRON GAS MODEL. <i>International Journal of Modern Physics D</i> , 2009, 18, 1413-1439.	2.1	3
39	Vacuumless topological defects in Lyra geometry. <i>Astrophysics and Space Science</i> , 2009, 319, 169-175.	1.4	2
40	Wormhole Geometry from Real Feasible Matter Sources. <i>International Journal of Theoretical Physics</i> , 2009, 48, 471-475.	1.2	14
41	Do Solar System Tests Permit Higher Dimensional General Relativity?. <i>International Journal of Theoretical Physics</i> , 2009, 48, 3124-3138.	1.2	17
42	Can electro-magnetic field, anisotropic source and $\Lambda$ be sufficient to produce wormhole spacetime?. <i>International Journal of Theoretical Physics</i> , 2009, 48, 1637-1648.	1.2	8
43	Features of galactic halo in a brane world model and observational constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 2079-2087.	4.4	37
44	Cosmic-coincidence problem and $\Lambda$ variable constants of physics. <i>European Physical Journal C</i> , 2009, 60, 149-156.	3.9	40
45	Particle motion around tachyon monopole. <i>General Relativity and Gravitation</i> , 2008, 40, 1849-1861.	2.0	1
46	Galactic rotation curves and brane-world models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 389, 27-33.	4.4	25
47	SOME NEW CLASS OF CHAPLYGIN WORMHOLES. <i>Modern Physics Letters A</i> , 2008, 23, 1199-1211.	1.2	19
48	Construction of a 3D wormhole supported by phantom energy. <i>Physica Scripta</i> , 2007, 76, 56-59.	2.5	24
49	GLOBAL MONOPOLE, DARK MATTER AND SCALAR TENSOR THEORY. <i>Modern Physics Letters A</i> , 2007, 22, 971-977.	1.2	15
50	THIN-SHELL WORMHOLE IN THE HETEROTIC STRING THEORY. <i>International Journal of Modern Physics D</i> , 2007, 16, 1669-1681.	2.1	40
51	Wormhole with varying cosmological constant. <i>General Relativity and Gravitation</i> , 2007, 39, 145-151.	2.0	51
52	A theoretical construction of thin shell wormhole from tidal charged black hole. <i>General Relativity and Gravitation</i> , 2007, 39, 945-956.	2.0	29
53	A theoretical construction of wormhole supported by phantom energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 161-163.	4.1	55
54	Thin Domain Walls in Lyra Geometry. <i>Astrophysics and Space Science</i> , 2006, 305, 337-340.	1.4	8

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55	LOCAL COSMIC STRING AND C-FIELD. International Journal of Modern Physics A, 2006, 21, 3727-3732.	1.5	1
56	Non-Static Local String in Higher-Dimensional Gravity. International Journal of Theoretical Physics, 2005, 44, 1413-1418.	1.2	0
57	MULTIDIMENSIONAL GLOBAL MONOPOLE IN PRESENCE OF ELECTROMAGNETIC FIELD. International Journal of Modern Physics A, 2005, 20, 993-999.	1.5	10
58	HIGHER DIMENSIONAL GLOBAL MONOPOLE WITH COSMOLOGICAL TERM. Modern Physics Letters A, 2005, 20, 1627-1634.	1.2	7
59	LOCAL COSMIC STRING WITH COSMOLOGICAL TERM. Modern Physics Letters A, 2004, 19, 1711-1716.	1.2	0
60	Higher dimensional global monopole in Brans-Dicke theory. Pramana - Journal of Physics, 2002, 58, 121-126.	1.8	1
61	Gravitational field of spherical domain wall in higher dimension. Pramana - Journal of Physics, 2002, 58, 127-134.	1.8	2
62	A study of thin domain wall with spherical symmetry. Astrophysics and Space Science, 2002, 282, 391-398.	1.4	2
63	DOMAIN WALL IN LYRA GEOMETRY. International Journal of Modern Physics D, 2001, 10, 735-739.	2.1	29
64	Quasi-normal modes of Ayonâ€Beato Garcia regular black holes for scalar field. Indian Journal of Physics, 0, , .	1.8	0