

# Mir Faizal

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

2,414  
citations

172457

29  
h-index

233421

45  
g-index

102  
all docs

102  
docs citations

102  
times ranked

472  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Proposed experimental test of Randall-Sundrum models. International Journal of Modern Physics D, 2022, 31, .  | 2.1 | 1         |
| 2  | Quantum thermodynamics of an M2-M5 brane system. Journal of High Energy Physics, 2022, 2022, 1.   | 4.7 | 8         |
| 3  | Non-perturbative quantum corrections to a Born-Infeld black hole and its information geometry. Classical and Quantum Gravity, 2021, 38, 105001.             | 4.0 | 24        |
| 4  | Testing short distance anisotropy in space. Scientific Reports, 2021, 11, 7474.   | 3.3 | 4         |
| 5  | Probing short distance gravity using temporal lensing. International Journal of Modern Physics A, 2021, 36, 2150115.  | 1.5 | 3         |
| 6  | Compactification, T-duality and quantum erasers. International Journal of Modern Physics A, 2021, 36, 2150102.  | 1.5 | 0         |
| 7  | Quantum work and information geometry of a quantum Myers-Perry black hole. Journal of High Energy Physics, 2021, 2021, 1.                                   | 4.7 | 11        |
| 8  | Quantum corrections to the thermodynamics of black branes. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 13        |
| 9  | Low energy consequences of loop quantum gravity. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150035.                           | 2.0 | 0         |
| 10 | Operator ordering ambiguity and third quantization. Annals of Physics, 2020, 414, 168072.   | 2.8 | 2         |
| 11 | Quantum weak equivalence principle and the gravitational Casimir effect in superconductors. International Journal of Modern Physics D, 2020, 29, 2043024.   | 2.1 | 0         |
| 12 | Universality of short distance corrections to quantum optics. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050145.              | 2.0 | 1         |
| 13 | Quantum corrections to a finite temperature Blon. Classical and Quantum Gravity, 2020, 37, 135004.  | 4.0 | 12        |
| 14 | Charged scalar quasi-normal modes for higher-dimensional Born-Infeld dilatonic black holes with Lifshitz scaling. European Physical Journal C, 2020, 80, 1. | 3.9 | 2         |
| 15 | Quantifying consciousness using quantum uncertainty in the brain. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050093.          | 2.0 | 0         |
| 16 | Modified theory of gravity and clustering of multi-component system of galaxies. European Physical Journal C, 2019, 79, 1.                                  | 3.9 | 15        |
| 17 | Is gravity actually the curvature of spacetime?. International Journal of Modern Physics D, 2019, 28, 1944021.  | 2.1 | 1         |
| 18 | Generalized Dirac structure beyond the linear regime in graphene. International Journal of Modern Physics D, 2018, 27, 1850080.                             | 2.1 | 39        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Quantum no-singularity theorem from geometric flows. International Journal of Modern Physics A, 2018, 33, 1850052.   | 1.5 | 6         |
| 20 | Holographic dark energy from fluid/gravity duality constraint by cosmological observations. Physics of the Dark Universe, 2018, 20, 41-48.   | 4.9 | 19        |
| 21 | A new bound on polymer quantization via an opto-mechanical setup. Scientific Reports, 2018, 8, 1659.   | 3.3 | 32        |
| 22 | Black holes thermodynamics in a new kind of noncommutative geometry. International Journal of Modern Physics D, 2018, 27, 1850053.   | 2.1 | 4         |
| 23 | Clustering of galaxies with $f(R)$ gravity. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2430-2443.   | 4.4 | 43        |
| 24 | Path integral for non-paraxial optics. Europhysics Letters, 2018, 124, 44001.  | 2.0 | 8         |
| 25 | Logarithmic correction of the BTZ black hole and adaptive model of graphene. International Journal of Modern Physics D, 2018, 27, 1850118.   | 2.1 | 19        |
| 26 | Dimensional reduction via a novel Higgs mechanism. General Relativity and Gravitation, 2018, 50, 1.  | 2.0 | 5         |
| 27 | The effect of modified dispersion relation on dumb holes. International Journal of Modern Physics D, 2018, 27, 1850113.  | 2.1 | 1         |
| 28 | Time-dependent strain in graphene. European Physical Journal B, 2018, 91, 1.   | 1.5 | 5         |
| 29 | Holographic Cavalieri principle as a universal relation between holographic complexity and holographic entanglement entropy. International Journal of Modern Physics D, 2018, 27, 1850103. | 2.1 | 4         |
| 30 | Renormalizing gravity: A new insight into an old problem. International Journal of Modern Physics D, 2018, 27, 1847002.  | 2.1 | 5         |
| 31 | Large distance modification of Newtonian potential and structure formation in universe. Physics of the Dark Universe, 2018, 19, 137-143.   | 4.9 | 21        |
| 32 | Fidelity susceptibility for Lifshitz geometries via Lifshitz holography. International Journal of Modern Physics A, 2018, 33, 1850099.   | 1.5 | 6         |
| 33 | Discreteness of time in the evolution of the universe. International Journal of Modern Physics A, 2017, 32, 1750049.   | 1.5 | 7         |
| 34 | Holographic cosmology from Blonic solutions. International Journal of Modern Physics A, 2017, 32, 1750025.   | 1.5 | 1         |
| 35 | Testing quantum gravity through dumb holes. Annals of Physics, 2017, 377, 108-114.   | 2.8 | 38        |
| 36 | Probing noncommutative theories with quantum optical experiments. Nuclear Physics B, 2017, 924, 578-587.   | 2.5 | 26        |

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|----|---|-----|-----------|
| 37 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml6" display="inline" overflow="scroll" altimg="s11.gif"} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -deformed quadrature operator and optical tomogram. Annals of Physics, 2017, 385, 584-590. | 2.8 | 11        |
| 38 | Inflationary universe in the presence of a minimal measurable length. Annals of Physics, 2017, 385, 214-224.  | 2.8 | 12        |
| 39 | Virtual black holes in a third quantized formalism. Annals of Physics, 2017, 384, 105-115.  | 2.8 | 3         |
| 40 | Clustering of galaxies with dynamical dark energy. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3166-3173.   | 4.4 | 24        |
| 41 | Non-local deformation of a supersymmetric field theory. European Physical Journal C, 2017, 77, 1.   | 3.9 | 5         |
| 42 | Clustering of galaxies in brane world models. General Relativity and Gravitation, 2016, 48, 1.  | 2.0 | 21        |
| 43 | Holographic cosmology from a system of M2â€™M5 branes. Annals of Physics, 2016, 368, 310-321.   | 2.8 | 3         |
| 44 | Effects of thermal fluctuations on the thermodynamics of modified Hayward black hole. European Physical Journal C, 2016, 76, 1.   | 3.9 | 100       |
| 45 | Vaidya spacetime for Galileon gravity's rainbow. Nuclear Physics B, 2016, 909, 725-736.   | 2.5 | 44        |
| 46 | Effects of cosmological constant on clustering of Galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 463, 3699-3704.  | 4.4 | 28        |
| 47 | NONSINGULAR UNIVERSES IN GAUSSâ€™BONNET GRAVITYâ€™S RAINBOW. Astrophysical Journal, 2016, 827, 153-165.   | 4.5 | 68        |
| 48 | Critical behavior of charged black holes in Gauss-Bonnet gravityâ€™s rainbow. Physical Review D, 2016, 94, .  | 4.7 | 79        |
| 49 | Charged dilatonic black holes in gravityâ€™s rainbow. European Physical Journal C, 2016, 76, 1.   | 3.9 | 94        |
| 50 | Cyclic and heteroclinic flows near general static spherically symmetric black holes. European Physical Journal C, 2016, 76, 1.  | 3.9 | 31        |
| 51 | Branes in Gravityâ€™s Rainbow. European Physical Journal C, 2016, 76, 1.  | 3.9 | 39        |
| 52 | IR finite graviton propagators in de Sitter spacetime. European Physical Journal C, 2016, 76, 1.  | 3.9 | 21        |
| 53 | A logarithmic correction in the entropy functional formalism. International Journal of Modern Physics D, 2016, 25, 1650080.   | 2.1 | 5         |
| 54 | Constraints on operator ordering from third quantization. Annals of Physics, 2016, 365, 54-65.  | 2.8 | 9         |

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|----|---|-----|-----------|
| 55 | Violation of the holographic principle in the loop quantum gravity. Europhysics Letters, 2016, 113, 30007.                              | 2.0 | 8         |
| 56 | Time crystals from minimum time uncertainty. European Physical Journal C, 2016, 76, 1.  | 3.9 | 36        |
| 57 | Deformation of the Dirac equation. International Journal of Modern Physics D, 2016, 25, 1650013.  | 2.1 | 25        |
| 58 | Black holes in Gauss-Bonnet gravity's rainbow. Physical Review D, 2015, 92, .   | 4.7 | 58        |
| 59 | Higher derivative terms in three dimensional supersymmetric theories. Journal of High Energy Physics, 2015, 2015, 1.                    | 4.7 | 2         |
| 60 | Supersymmetric duality in superloop space. European Physical Journal C, 2015, 75, 1.  | 3.9 | 5         |
| 61 | Chern-Simons theory in SIM(1) superspace. European Physical Journal C, 2015, 75, 1.   | 3.9 | 16        |
| 62 | Constraints on the Generalized Uncertainty Principle from black-hole thermodynamics. Europhysics Letters, 2015, 112, 20006.             | 2.0 | 57        |
| 63 | Lorentz symmetry breaking in $\mathcal{N}=2$ superspace. Europhysics Letters, 2015, 111, 21001.   | 2.0 | 7         |
| 64 | AdS/CFT correspondence beyond its supergravity approximation. International Journal of Modern Physics A, 2015, 30, 1550183.             | 1.5 | 15        |
| 65 | Thermal fluctuations in a charged AdS black hole. Europhysics Letters, 2015, 111, 40006.  | 2.0 | 102       |
| 66 | Imaginary interactions with minimum length. Gravitation and Cosmology, 2015, 21, 270-272.   | 1.1 | 10        |
| 67 | Interpolating between different gauges in the ABJM theory. International Journal of Modern Physics A, 2015, 30, 1550185.                | 1.5 | 9         |
| 68 | Consequences of deformation of the Heisenberg algebra. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550022. | 2.0 | 32        |
| 69 | Absence of an effective Horizon for black holes in Gravity's Rainbow. Europhysics Letters, 2015, 109, 20001.                            | 2.0 | 80        |
| 70 | Convection in drying and freezing ground. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 1071-1080.                        | 1.4 | 0         |
| 71 | Supersymmetric Duality in Deformed Superloop Space. Foundations of Physics, 2015, 45, 1421-1432.  | 1.3 | 3         |
| 72 | Remnant for all black objects due to gravity's rainbow. Nuclear Physics B, 2015, 894, 341-360.  | 2.5 | 116       |

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|----|---|-----|-----------|
| 73 | Polyakov Loops for the ABJ Theory. International Journal of Theoretical Physics, 2015, 54, 896-909.   | 1.2 | 3         |
| 74 | Deformation of second and third quantization. International Journal of Modern Physics A, 2015, 30, 1550036.   | 1.5 | 12        |
| 75 | Super-Yang-Mills theory in SIM(1) superspace. Physical Review D, 2015, 91, .  | 4.7 | 21        |
| 76 | Wave function of the universe from a matrix-valued first-order formalism. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550050.    | 2.0 | 1         |
| 77 | Anti-FFBRST transformations for the BLG theory in presence of a boundary. International Journal of Modern Physics A, 2015, 30, 1550032.                       | 1.5 | 14        |
| 78 | Incorporation of generalized uncertainty principle into Lifshitz field theories. Annals of Physics, 2015, 357, 49-58.   | 2.8 | 40        |
| 79 | Absence of black holes at LHC due to gravity's rainbow. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 295-300. | 4.1 | 97        |
| 80 | GUP-corrected thermodynamics for all black objects and the existence of remnants. International Journal of Modern Physics A, 2015, 30, 1550144.               | 1.5 | 89        |
| 81 | Gravitational collapse in gravity's rainbow. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550085.                                 | 2.0 | 37        |
| 82 | Path integral quantization corresponding to the deformed Heisenberg algebra. Annals of Physics, 2015, 362, 24-35.   | 2.8 | 37        |
| 83 | Deformation of the Wheeler-DeWitt equation. International Journal of Modern Physics A, 2014, 29, 1450106.   | 1.5 | 27        |
| 84 | Boundary effects in the BLG theory. Modern Physics Letters A, 2014, 29, 1450154.  | 1.2 | 17        |
| 85 | ABSENCE OF BLACK HOLES INFORMATION PARADOX IN GROUP FIELD COSMOLOGY. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450010.         | 2.0 | 20        |
| 86 | Remnants of black rings from gravity's rainbow. Journal of High Energy Physics, 2014, 2014, 1.  | 4.7 | 70        |
| 87 | Multiverse in the Third Quantized Formalism. Communications in Theoretical Physics, 2014, 62, 697-700.  | 2.5 | 8         |
| 88 | Monopoles in superloop space. Europhysics Letters, 2014, 107, 20008.  | 2.0 | 4         |
| 89 | Noether's charge in the super-group field cosmology. Gravitation and Cosmology, 2014, 20, 132-137.  | 1.1 | 19        |
| 90 | Deformed Super-Yang-Mills in Batalin-Vilkovisky Formalism. International Journal of Theoretical Physics, 2013, 52, 392-403.                                   | 1.2 | 21        |

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|-----|---|-----|-----------|
| 91  | Superloop space. Europhysics Letters, 2013, 103, 21003.   | 2.0 | 8         |
| 92  | CHERN-SIMONS-MATTER THEORY. International Journal of Modern Physics A, 2013, 28, 1350012.   | 1.5 | 20        |
| 93  | NONCOMMUTATIVE QUANTUM GRAVITY. Modern Physics Letters A, 2013, 28, 1350034.  | 1.2 | 33        |
| 94  | Super-group field cosmology. Classical and Quantum Gravity, 2012, 29, 215009.   | 4.0 | 28        |
| 95  | The BV Formalization of Chern-Simons Theory on Deformed Superspace. Communications in Theoretical Physics, 2012, 58, 704-710.   | 2.5 | 21        |
| 96  | NONCOMMUTATIVITY AND NON-ANTICOMMUTATIVITY PERTURBATIVE QUANTUM GRAVITY. Modern Physics Letters A, 2012, 27, 1250075.   | 1.2 | 36        |
| 97  | HARMONIC SUPERSPACE GAUGEON FORMALISM FOR THE ABJM THEORY. Modern Physics Letters A, 2012, 27, 1250147.   | 1.2 | 33        |
| 98  | MULTIVERSE IN THE THIRD QUANTIZED HORAVALIFSHITZ THEORY OF GRAVITY. Modern Physics Letters A, 2012, 27, 1250007.  | 1.2 | 23        |
| 99  | $M$ -Theory in the Gaugeon Formalism. Communications in Theoretical Physics, 2012, 57, 637-640.   | 2.5 | 38        |
| 100 | Deformation of the ABJM theory. Europhysics Letters, 2012, 98, 31003.   | 2.0 | 28        |
| 101 | Spontaneous breaking of Lorentz symmetry by ghost condensation in perturbative quantum gravity. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 402001. | 2.1 | 45        |