

Mohsen Fathi

List of Publications by Year in descending order

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papers

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times ranked

104
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Photon trajectories on a first order scale-dependent static BTZ black hole. <i>Classical and Quantum Gravity</i> , 2020, 37, 075004. | 4.0 | 20 |
| 2 | Cartographic distortions make dielectric spacetime analog models imperfect mimickers. <i>Physical Review D</i> , 2016, 93, . | 4.7 | 18 |
| 3 | OBSERVABLE QUANTITIES IN WEYL GRAVITY. <i>Modern Physics Letters A</i> , 2011, 26, 2403-2410. | 1.2 | 17 |
| 4 | Spherical Solutions due to the Exterior Geometry of a Charged Weyl Black Hole. <i>International Journal of Theoretical Physics</i> , 2012, 51, 2227-2236. | 1.2 | 15 |
| 5 | Analytical study of light ray trajectories in Kerr spacetime in the presence of an inhomogeneous anisotropic plasma. <i>European Physical Journal C</i> , 2021, 81, 1. | 3.9 | 15 |
| 6 | Shrinking cloaks in expanding space-times: The role of coordinates and the meaning of transformations in transformation optics. <i>Physical Review A</i> , 2015, 92, . | 2.5 | 14 |
| 7 | Motion of massive particles around a charged Weyl black hole and the geodetic precession of orbiting gyroscopes. <i>European Physical Journal C</i> , 2020, 80, 1. | 3.9 | 12 |
| 8 | Classical tests on a charged Weyl black hole: bending of light, Shapiro delay and Sagnac effect. <i>European Physical Journal C</i> , 2020, 80, 1. | 3.9 | 11 |
| 9 | Gravitational Rutherford scattering of electrically charged particles from a charged Weyl black hole. <i>European Physical Journal Plus</i> , 2021, 136, 1. | 2.6 | 10 |
| 10 | Ergosphere, Photon Region Structure, and the Shadow of a Rotating Charged Weyl Black Hole. <i>Galaxies</i> , 2021, 9, 43. | 3.0 | 10 |
| 11 | Probing the parameters of a Schwarzschild black hole surrounded by quintessence and cloud of strings through four standard astrophysical tests. <i>European Physical Journal C</i> , 2021, 81, 1. | 3.9 | 7 |
| 12 | Adiabatic analysis of the rotating BTZ black hole. <i>European Physical Journal C</i> , 2021, 81, 1. | 3.9 | 6 |
| 13 | Adiabatic evolution of Hayward black hole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 820, 136548. | 4.1 | 6 |
| 14 | A dynamical approach to the exterior geometry of a perfect fluid as a relativistic star. <i>Chinese Physics C</i> , 2013, 37, 025101. | 3.7 | 5 |
| 15 | Gravitational collapse in repulsive $R+\mu^4/R$ gravity. <i>European Physical Journal Plus</i> , 2016, 131, 1. | 2.6 | 5 |
| 16 | Isotropic Reissner-Nordström Geometry and the Corresponding Gravitational Redshift. <i>International Journal of Theoretical Physics</i> , 2013, 52, 3313-3318. | 1.2 | 4 |
| 17 | Focusing of world-lines in Weyl gravity. <i>European Physical Journal Plus</i> , 2016, 131, 1. | 2.6 | 4 |
| 18 | Covariant kinematics of light in media and a generalized Raychaudhuri equation. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Field Equations due to a Constant Modification in General Relativity. International Journal of Theoretical Physics, 2013, 52, 919-924. | 1.2 | 3 |
| 20 | Field Equations for a New $f(R)$ Model of Gravity, Related to Scalar Field Constituents. International Journal of Theoretical Physics, 2013, 52, 4519-4523. | 1.2 | 3 |
| 21 | Vacuum Domination in a Positively Curved Isotropic Universe. International Journal of Theoretical Physics, 2013, 52, 2284-2295. | 1.2 | 3 |
| 22 | A Krein quantization approach to Klein paradox. Chinese Physics C, 2013, 37, 113103. | 3.7 | 3 |
| 23 | Probing EoS and Correspondences to the Agegraphic Dark Energy Through a New $f(R)$ Model of Gravity. International Journal of Theoretical Physics, 2013, 52, 4562-4568. | 1.2 | 2 |
| 24 | Determination of the Effective Energy due to a Constant Modification in General Relativity. International Journal of Theoretical Physics, 2013, 52, 3467-3473. | 1.2 | 1 |
| 25 | Non-relativistic Geodesic Behaviors for a Massive Charged Particle Falling in de Sitter Spacetime. International Journal of Theoretical Physics, 2013, 52, 531-538. | 1.2 | 1 |
| 26 | A Modified Dark Energy Model and Quintessence. International Journal of Theoretical Physics, 2013, 52, 3886-3891. | 1.2 | 1 |
| 27 | (Anti-)de Sitter Superfluid with Spherical Symmetry. International Journal of Theoretical Physics, 2015, 54, 538-544. | 1.2 | 1 |
| 28 | Surface configuration in $R + \hat{1}/4/R$ gravity. Modern Physics Letters A, 2015, 30, 1550171. | 1.2 | 1 |
| 29 | Energy Conservation for a Scalar Field in Linear Gravity. International Journal of Theoretical Physics, 2013, 52, 3150-3156. | 1.2 | 0 |
| 30 | Conformal Wave Equation for Graviton via Dimension Reduction. International Journal of Theoretical Physics, 2013, 52, 2400-2406. | 1.2 | 0 |
| 31 | R^2 theory of gravity. Journal of Physics: Conference Series, 2013, 442, 012053. | 0.4 | 0 |
| 32 | Coordinate invariance in transformation optics. , 2015, , . | | 0 |
| 33 | Cosmic Evolution of (Anti-)de Sitter Superfluids. International Journal of Theoretical Physics, 2015, 54, 1077-1084. | 1.2 | 0 |
| 34 | Dynamical Cosmological Constant in R^3 Gravity. International Journal of Theoretical Physics, 2015, 54, 1059-1065. | 1.2 | 0 |
| 35 | Evolving H_0 cosmological horizons. Chinese Physics C, 2016, 40, 095101. | 3.7 | 0 |
| 36 | Massive Gravitons on Bohmian Congruences. International Journal of Theoretical Physics, 2016, 55, 3644-3656. | 1.2 | 0 |

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|----|----------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Non-covariance and unfaithfulness in projective spacetime transformation optics. , 2017, , . | | 0 |
| 38 | Homothetic congruences in general relativity. Modern Physics Letters A, 2019, 34, 1950001. | 1.2 | 0 |
| 39 | Congruence kinematics in conformal gravity. Revista Mexicana De F sica, 2019, 65, 261-267. | 0.4 | 0 |