

Jos D v Arbail

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

428
citations

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24
ext. papers

553
ext. citations

4
avg, IF

4.25
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 21 | Stellar equilibrium configurations of compact stars in $f(R,T)$ theory of gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 005-005 | 6.4 | 158 |
| 20 | Stellar equilibrium configurations of white dwarfs in the $f(R, T)$ gravity. <i>European Physical Journal C</i> , 2017 , 77, 1 | 4.2 | 57 |
| 19 | Polytropic spheres with electric charge: Compact stars, the Oppenheimer-Volkoff and Buchdahl limits, and quasiblack holes. <i>Physical Review D</i> , 2013 , 88, | 4.9 | 46 |
| 18 | Radial stability of anisotropic strange quark stars. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 012-012 | 6.4 | 42 |
| 17 | Equilibrium and stability of charged strange quark stars. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 38 |
| 16 | Compact stars in the braneworld: A new branch of stellar configurations with arbitrarily large mass. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 19 |
| 15 | Incompressible relativistic spheres: Electrically charged stars, compactness bounds, and quasiblack hole configurations. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 19 |
| 14 | White dwarfs with a surface electrical charge distribution: equilibrium and stability. <i>European Physical Journal C</i> , 2018 , 78, 1 | 4.2 | 9 |
| 13 | Stability of charged strange quark stars 2015 , | | 8 |
| 12 | Radial oscillations and stability of compact stars in $f(R, T) = R + 2T$ gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 064 | 6.4 | 8 |
| 11 | Relativistic polytropic spheres with electric charge: Compact stars, compactness and mass bounds, and quasiblack hole configurations. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 6 |
| 10 | Compact stars on the brane: What could they reveal about extra dimensions?. <i>Astronomische Nachrichten</i> , 2015 , 336, 876-879 | 0.7 | 5 |
| 9 | Extra dimensions Influence on the equilibrium and radial stability of strange quark stars. <i>Physical Review D</i> , 2019 , 100, | 4.9 | 4 |
| 8 | Tidal deformability and radial oscillations of anisotropic polytropic spheres. <i>Physical Review D</i> , 2022 , 105, | 4.9 | 3 |
| 7 | Neutron stars in $f(R,T)$ gravity with conserved energy-momentum tensor: Hydrostatic equilibrium and asteroseismology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 055 | 6.4 | 3 |
| 6 | Gravastar model in Randall-Sundrum braneworld. <i>Classical and Quantum Gravity</i> , 2019 , 36, 235012 | 3.3 | 2 |
| 5 | Stable relativistic polytropic objects with cosmological constant. <i>European Physical Journal Plus</i> , 2020 , 135, 1 | 3.1 | 1 |

- 4 The Structure and Stability of Massive Hot White Dwarfs. *Astrophysical Journal*, **2021**, 921, 138 4.7 ○
- 3 Looking for extra dimensions in compact stars. *Journal of Physics: Conference Series*, **2017**, 861, 012002 0.3
- 2 Radial pulsation of a compact object in d dimensions. *Journal of Physics: Conference Series*, **2020**, 1558, 012003 0.3
- 1 Radial oscillations of charged strange stars. *Journal of Physics: Conference Series*, **2016**, 706, 052022 0.3