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## Research Areas

Physics, Relativity and Gravitation, Natural Sciences

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Instability of a Kerr-type naked singularity due to light and matter accretion and its shadow**  
TAVLAYAN A., TEKİN B.  
Classical and Quantum Gravity, vol.41, no.6, 2024 (SCI-Expanded)
- II. **Partition function of a volume of space in a higher curvature theory**  
TAVLAYAN A., TEKİN B.  
Physical Review D, vol.108, no.4, 2023 (SCI-Expanded)
- III. **Light rings around five dimensional stationary black holes and naked singularities**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, vol.107, no.2, 2023 (SCI-Expanded)
- IV. **Radii of spherical timelike orbits around Kerr black holes**  
TAVLAYAN A., TEKİN B.  
PHYSICAL REVIEW D, vol.104, no.12, 2021 (SCI-Expanded)
- V. **Exact formulas for spherical photon orbits around Kerr black holes**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, vol.102, 2020 (SCI-Expanded)
- VI. **Event horizon detecting invariants**  
Tavlayan A., Tekin B.  
PHYSICAL REVIEW D, vol.101, 2020 (SCI-Expanded)

## Metrics

Publication: 6

Citation (WoS): 16

Citation (Scopus): 16

H-Index (WoS): 2

H-Index (Scopus): 2