

# G A Carvalho

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1781813/publications.pdf>

Version: 2024-02-01

18  
papers

284  
citations

933447

10  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar equilibrium configurations of white dwarfs in the $f(R, \hat{\Lambda})$ gravity. European Physical Journal C, 2017, 77, 1.	3.9	77
2	General relativistic effects in the structure of massive white dwarfs. General Relativity and Gravitation, 2018, 50, 1.	2.0	35
3	A conservative energy-momentum tensor in the $f(R, T)$ gravity and its implications for the phenomenology of neutron stars. European Physical Journal Plus, 2019, 134, 1.	2.6	24
4	Strongly Magnetized White Dwarfs and Their Instability Due to Nuclear Processes. Astrophysical Journal, 2019, 879, 46.	4.5	19
5	Neutron stars in $f(\text{math}{R, L_m})$ gravity with realistic equations of state: joint-constrains with GW170817, massive pulsars, and the PSR J0030+0451 mass-radius from NICER data. European Physical Journal C, 2021, 81, 1.	3.9	18
6	Energy nonconservation as a link between $f(R, T)$ gravity and noncommutative quantum theory. European Physical Journal Plus, 2019, 134, 1.	2.6	17
7	White dwarfs with a surface electrical charge distribution: equilibrium and stability. European Physical Journal C, 2018, 78, 1.	3.9	14
8	Mass-Radius diagram for compact stars. Journal of Physics: Conference Series, 2015, 630, 012058.	0.4	12
9	Hydrostatic equilibrium configurations of neutron stars in a non-minimal geometry-matter coupling theory of gravity. European Physical Journal C, 2020, 80, 1.	3.9	12
10	Chemical Evolution of $\text{CO}_2$ Ices under Processing by Ionizing Radiation: Characterization of Nonobserved Species and Chemical Equilibrium Phase with the Employment of PROCODA Code. Astrophysical Journal, 2022, 925, 147.	4.5	11
11	X-ray photolysis of $\text{CH}_3\text{COCH}_3$ ice: implications for the radiation effects of compact objects towards astrophysical ices. Monthly Notices of the Royal Astronomical Society, 2020, 498, 689-701.	4.4	10
12	Photolysis of $\text{CH}_3\text{CN}$ Ices by Soft X-rays: Implications for the Chemistry of Astrophysical Ices at the Surroundings of X-ray Sources. Journal of Physical Chemistry A, 2020, 124, 8574-8584.	2.5	9
13	Strange stars in energy-momentum-conserved $f(R, T)$ gravity. International Journal of Modern Physics D, 2020, 29, 2050075.	2.1	9
14	General approach to the Lagrangian ambiguity in $f(R, \hat{\Lambda})$ gravity. European Physical Journal C, 2021, 81, 1.	3.9	9
15	Massive white dwarfs in $f(\text{math}{R, L_m})$ gravity. European Physical Journal C, 2022, 82, .	3.9	6
16	Time-scales to reach chemical equilibrium in ices at snowline distance around compact objects: the influence of accretion mass in the central object. Monthly Notices of the Royal Astronomical Society, 2021, 503, 2973-2978.	4.4	2
17	Using pulsar's braking indices to estimate changes in their moments of inertia with age-related considerations. Journal of Physics: Conference Series, 2019, 1291, 012012.	0.4	0
18	Beyond gravitomagnetism with applications to Mercury's perihelion advance and the bending of light. International Journal of Modern Physics D, 2021, 30, 2150073.	2.1	0