

G A Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

284
citations

933447

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940533

16
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18
all docs

18
docs citations

18
times ranked

160
citing authors

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