

Daniela D Doneva

List of Publications by Year in descending order

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86
papers

4,497
citations

147801

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all docs

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docs citations

86
times ranked

2517
citing authors

#	ARTICLE	IF	CITATIONS
1	Axial perturbations of hairy Gauss-Bonnet black holes with a massive self-interacting scalar field. <i>Physical Review D</i> , 2022, 105, .	4.7	2
2	Equatorial extreme-mass-ratio inspirals in Kerr black holes with scalar hair spacetimes. <i>Physical Review D</i> , 2022, 105, .	4.7	8
3	Beyond the spontaneous scalarization: New fully nonlinear mechanism for the formation of scalarized black holes and its dynamical development. <i>Physical Review D</i> , 2022, 105, .	4.7	27
4	Tensor-multiscalar gravity: Equations of motion to 2.5 post-Newtonian order. <i>Physical Review D</i> , 2022, 105, .	4.7	5
5	Workshop on Gravitational-Wave Astrophysics for Early Career Scientists. <i>Nature Astronomy</i> , 2022, 6, 304-305.	10.1	0
6	Radial perturbations of scalar-Gauss-Bonnet black holes beyond spontaneous scalarization. <i>Physical Review D</i> , 2022, 105, .	4.7	14
7	New horizons for fundamental physics with LISA. <i>Living Reviews in Relativity</i> , 2022, 25, .	26.7	82
8	Constraining the equation of state in modified gravity via universal relations. <i>Physical Review D</i> , 2021, 103, .	4.7	9
9	Dynamics of the nonrotating and rotating black hole scalarization. <i>Physical Review D</i> , 2021, 103, .	4.7	33
10	Circular Orbit Structure and Thin Accretion Disks around Kerr Black Holes with Scalar Hair. <i>Astrophysical Journal</i> , 2021, 910, 52.	4.5	11
11	The missing link in gravitational-wave astronomy. <i>Experimental Astronomy</i> , 2021, 51, 1427-1440.	3.7	15
12	Spontaneously scalarized black holes in dynamical Chern-Simons gravity: Dynamics and equilibrium solutions. <i>Physical Review D</i> , 2021, 103, .	4.7	18
13	Relativistic stars in 4D Einstein-Gauss-Bonnet gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 024.	5.4	33
14	Oscillation dynamics of scalarized neutron stars. <i>Physical Review D</i> , 2021, 103, .	4.7	10
15	Nonlinear stability of soliton solutions for massive tensor-multiscalar theories. <i>Physical Review D</i> , 2021, 104, .	4.7	5
16	Probing the nature of black holes: Deep in the mHz gravitational-wave sky. <i>Experimental Astronomy</i> , 2021, 51, 1385-1416.	3.7	29
17	Dynamical Formation of Scalarized Black Holes and Neutron Stars through Stellar Core Collapse. <i>Physical Review Letters</i> , 2021, 127, 161103.	7.8	24
18	Nonlinear evolution and nonuniqueness of scalarized neutron stars. <i>Physical Review D</i> , 2021, 104, .	4.7	6

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19	Thick toroidal configurations around scalarized Kerr black holes. <i>Physical Review D</i> , 2021, 104, .	4.7	6
20	Mixed configurations of tensor-multiscalar solitons and neutron stars. <i>Physical Review D</i> , 2020, 101, .	4.7	11
21	Rotating tensor-multiscalar black holes with two scalars. <i>Physical Review D</i> , 2020, 102, .	4.7	9
22	Slowly rotating topological neutron stars: universal relations and epicyclic frequencies. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	4
23	Polar quasinormal modes of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 102, .	4.7	40
24	No-hair theorems for noncanonical self-gravitating static multiple scalar fields. <i>Physical Review D</i> , 2020, 102, .	4.7	3
25	Stability of topological neutron stars. <i>Physical Review D</i> , 2020, 102, .	4.7	9
26	Multiscalar Gauss-Bonnet gravity: Hairy black holes and scalarization. <i>Physical Review D</i> , 2020, 102, .	4.7	17
27	Prospects for fundamental physics with LISA. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	2.0	198
28	Topological neutron stars in tensor-multi-scalar theories of gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	12
29	Black hole scalarization induced by the spin: $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ time evolution. <i>Physical Review D</i> , 2020, 102, .	4.7	55
30	Axial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2020, 101, .	4.7	44
31	Nontopological spontaneously scalarized neutron stars in tensor-multiscalar theories of gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	14
32	Rotating tensor-multiscalar solitons. <i>Physical Review D</i> , 2020, 101, .	4.7	12
33	The missing link in gravitational-wave astronomy: discoveries waiting in the decihertz range. <i>Classical and Quantum Gravity</i> , 2020, 37, 215011.	4.0	90
34	Spin-induced scalarization of Kerr black holes with a massive scalar field. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	26
35	Orbital and epicyclic frequencies in massive scalar-tensor theory with self-interaction. <i>Astrophysics and Space Science</i> , 2019, 364, 1.	1.4	6
36	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , 2019, 36, 143001.	4.0	451

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37	Gauss-Bonnet black holes with a massive scalar field. <i>Physical Review D</i> , 2019, 99, .	4.7	56
38	Axial quasinormal modes of scalarized neutron stars with massive self-interacting scalar field. <i>Physical Review D</i> , 2019, 99, .	4.7	18
39	Multipole moments and universal relations for scalarized neutron stars. <i>Physical Review D</i> , 2019, 99, .	4.7	11
40	Moment of inertiaâ€‘mass universal relations for neutron stars in scalar-tensor theory with self-interacting massive scalar field. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	15
41	Quasinormal modes of compact objects in alternative theories of gravity. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	31
42	Dark compact objects in massive tensor-multi-scalar theories of gravity. <i>Physical Review D</i> , 2019, 99, .	4.7	17
43	Compact stars in massive scalar-tensor theory with extended dilaton potential. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
44	Neutron star solutions with curvature induced scalarization in the extended Gauss-Bonnet scalar-tensor theories. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 011-011.	5.4	56
45	New Gauss-Bonnet Black Holes with Curvature-Induced Scalarization in Extended Scalar-Tensor Theories. <i>Physical Review Letters</i> , 2018, 120, 131103.	7.8	373
46	Universal Relations and Alternative Gravity Theories. <i>Astrophysics and Space Science Library</i> , 2018, , 737-806.	2.7	19
47	Differentially rotating neutron stars in scalar-tensor theories of gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	26
48	Axial quasinormal modes of neutron stars in R^2 gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	19
49	Charged Gauss-Bonnet black holes with curvature induced scalarization in the extended scalar-tensor theories. <i>Physical Review D</i> , 2018, 98, .	4.7	86
50	Radial perturbations of the scalarized Einstein-Gauss-Bonnet black holes. <i>Physical Review D</i> , 2018, 98, .	4.7	126
51	Tidal Love numbers of neutron stars in $f(R)$ gravity. <i>European Physical Journal C</i> , 2018, 78, 818.	3.9	36
52	Static and slowly rotating neutron stars in scalarâ€‘tensor theory with self-interacting massive scalar field. <i>European Physical Journal C</i> , 2018, 78, 586.	3.9	44
53	Oscillation modes of rapidly rotating neutron stars in scalar-tensor theories of gravity. <i>Physical Review D</i> , 2017, 96, .	4.7	22
54	Neutron and strange stars in R -squared gravity. , 2017, , .		0

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55	Saturation of the f-mode instability in neutron stars. , 2017, , .		0
56	Rapidly rotating neutron stars with a massive scalar fieldâ€”structure and universal relations. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 019-019.	5.4	60
57	Accretion disks around neutron and strange stars in R^2 gravity. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 061-061.	5.4	13
58	Moment-of-inertiaâ€”compactness universal relations in scalar-tensor theories and R^2 gravity. Physical Review D, 2016, 93, .	4.7	23
59	Slowly rotating neutron stars in scalar-tensor theories with a massive scalar field. Physical Review D, 2016, 93, .	4.7	83
60	A CONNECTION BETWEEN QUASINORMAL MODES AND NONUNIQUENESS OF CHARGED SCALAR-TENSOR BLACK HOLES. , 2015, , .		0
61	Gravitational wave asteroseismology of neutron and strange stars in R^2 gravity. Physical Review D, 2015, 92, .	4.7	38
62	I-Q relations for rapidly rotating neutron stars in R^2 gravity. Physical Review D, 2015, 92, .	4.7	43
63	Gravitational wave afterglow in binary neutron star mergers. Physical Review D, 2015, 92, .	4.7	46
64	Asteroseismology of rapidly rotating neutron stars: An alternative approach. Physical Review D, 2015, 92, .	4.7	19
65	Rapidly rotating neutron stars in R^2 -squared gravity. Physical Review D, 2015, 91, .	4.7	69
66	Orbital and epicyclic frequencies around neutron and strange stars in R^2 gravity. European Physical Journal C, 2015, 75, 1.	3.9	28
67	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	4.0	943
68	Orbital and epicyclic frequencies around rapidly rotating compact stars in scalar-tensor theories of gravity. Physical Review D, 2014, 90, .	4.7	34
69	Universal I-Q relations for rapidly rotating neutron and strange stars in scalar-tensor theories. Physical Review D, 2014, 90, .	4.7	50
70	Slowly rotating neutron and strange stars in R^2 gravity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	109
71	Non-perturbative and self-consistent models of neutron stars in R^2 -squared gravity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 003-003.	5.4	116
72	BREAKDOWN OF I - Q UNIVERSALITY IN RAPIDLY ROTATING RELATIVISTIC STARS. Astrophysical Journal Letters, 2014, 781, L6.	8.3	93

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73	Rapidly rotating neutron stars in scalar-tensor theories of gravity. Physical Review D, 2013, 88, .	4.7	98
74	Evolution of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">f \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -mode instability in neutron stars and gravitational wave detectability. Physical Review D, 2013, 87, .	4.7	31
75	Gravitational wave asteroseismology of fast rotating neutron stars with realistic equations of state. Physical Review D, 2013, 88, .	4.7	105
76	Thermodynamic phase structure of charged anti-de Sitter scalar-tensor black holes. Journal of Physics: Conference Series, 2013, 453, 012017.	0.4	0
77	Possible dark energy imprints in the gravitational wave spectrum of mixed neutron-dark-energy stars. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 037-037.	5.4	7
78	Nonradial oscillations of anisotropic neutron stars in the Cowling approximation. Physical Review D, 2012, 85, .	4.7	104
79	STABILITY ANALYSIS OF SCALAR-TENSOR BORN-INFELD BLACK HOLE SOLUTIONS. , 2012, , .		0
80	Solitons and black holes in a generalized Skyrme model with dilaton-quarkonium field. Physical Review D, 2011, 83, .	4.7	8
81	Time evolution of the radial perturbations and linear stability of solitons and black holes in a generalized Skyrme model. Physical Review D, 2011, 84, .	4.7	6
82	Thermodynamics of Scalar-tensor AdS Black Holes Coupled to Nonlinear Electrodynamics. , 2010, , .		0
83	Quasinormal modes, bifurcations, and nonuniqueness of charged scalar-tensor black holes. Physical Review D, 2010, 82, .	4.7	54
84	Charged anti-de Sitter scalar-tensor black holes and their thermodynamic phase structure. Physical Review D, 2010, 81, .	4.7	12
85	Stability and quasinormal modes of black holes in tensor-vector-scalar theory: Scalar field perturbations. Physical Review D, 2010, 82, .	4.7	12
86	Numerical Study of Linear Stability of Scalar-tensor Born-Infeld Black Holes. , 2009, , .		0