

Mariafelicia De Laurentis

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

14,399
citations

61857

43
h-index

38300

95
g-index

105
all docs

105
docs citations

105
times ranked

4613
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13. | 1.6 | 6 |
| 2 | Orbital precession of the S2 star in Scalar-Vector Gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4757-4766. | 1.6 | 35 |
| 3 | Constraining MOdified Gravity with the S2 Star. <i>Universe</i> , 2022, 8, 137. | 0.9 | 7 |
| 4 | The Accurate Mass Distribution of M87, the Giant Galaxy with Imaged Shadow of Its Supermassive Black Hole, as a Portal to New Physics. <i>Astrophysical Journal</i> , 2022, 929, 17. | 1.6 | 5 |
| 5 | First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14. | 3.0 | 163 |
| 6 | Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21. | 3.0 | 20 |
| 7 | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17. | 3.0 | 215 |
| 8 | First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13. | 3.0 | 142 |
| 9 | First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15. | 3.0 | 137 |
| 10 | Orbits in bootstrapped Newtonian gravity. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 5 |
| 11 | First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12. | 3.0 | 568 |
| 12 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18. | 3.0 | 21 |
| 13 | Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19. | 3.0 | 43 |
| 14 | A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20. | 3.0 | 20 |
| 15 | First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16. | 3.0 | 187 |
| 16 | Emission of Gravitational Radiation in Scalar-Tensor and $f(R)$ -Theories. , 2022, , 1553-1590. | | 0 |
| 17 | Testing wormhole solutions in extended gravity through the Poynting-Robertson effect. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 39 |
| 18 | Reconstructing wormhole solutions in curvature based Extended Theories of Gravity. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4. | 3.0 | 806 |
| 38 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1. | 3.0 | 2,264 |
| 39 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5. | 3.0 | 814 |
| 40 | First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6. | 3.0 | 897 |
| 41 | The current ability to test theories of gravity with black hole shadows. <i>Nature Astronomy</i> , 2018, 2, 585-590. | 4.2 | 180 |
| 42 | Observational constraints on Gauss-Bonnet cosmology. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850084. | 0.9 | 46 |
| 43 | Noether's stars in $f(R)$ gravity. <i>Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 205-210. | 1.5 | 9 |
| 44 | Radiation from charged particles due to explicit symmetry breaking in a gravitational field. <i>International Journal of Geometric Methods in Modern Physics</i> , 2018, 15, 1850122. | 0.8 | 5 |
| 45 | Modified gravity revealed along geodesic tracks. <i>European Physical Journal C</i> , 2018, 78, 916. | 1.4 | 34 |
| 46 | Test-particle dynamics in general spherically symmetric black hole spacetimes. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 43 |
| 47 | Analysis of the Yukawa gravitational potential in $f(R)$ gravity. I. Semiclassical periastron advance. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 44 |
| 48 | Analysis of the Yukawa gravitational potential in $f(R)$ gravity. II. Semiclassical periastron advance. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 44 |
| 49 | Gravitational Physics: From Quantum to Waves. , 2018, , 357-488. | | 0 |
| 50 | On the universality of MOG weak field approximation at galaxy cluster scale. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 770, 440-444. | 1.5 | 20 |
| 51 | General relativistic electromagnetic and massive vector field effects with gamma-ray burst production. <i>Physical Review D</i> , 2017, 96, . | 1.6 | 9 |
| 52 | The cosmological constant as an eigenvalue of the Hamiltonian constraint in a varying speed of light theory. <i>Fortschritte Der Physik</i> , 2017, 65, 1600108. | 1.5 | 2 |
| 53 | Twisted Soft Photon Hair Implants on Black Holes. <i>Entropy</i> , 2017, 19, 458. | 1.1 | 9 |
| 54 | An effective field theory description for extended gravity. , 2017, , . | | 0 |

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|----|--|-----|-----------|
| 55 | Verification of $f(R)$ -gravity in binary pulsars. EPJ Web of Conferences, 2016, 125, 03005. | 0.1 | 4 |
| 56 | Noether symmetries in Gauss-Bonnet-teleparallel cosmology. European Physical Journal C, 2016, 76, 629. | 1.4 | 61 |
| 57 | Constraining alternative theories of gravity using GW150914 and GW151226. Physical Review D, 2016, 94, . | 1.6 | 21 |
| 58 | Gravitational massive modes from extended gravity. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650034. | 0.8 | 1 |
| 59 | $f(T)$ teleparallel gravity and cosmology. Reports on Progress in Physics, 2016, 79, 106901. | 8.1 | 923 |
| 60 | Metric and connections in theories of gravity. The role of equivalence principle. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1640007. | 0.8 | 1 |
| 61 | Mass-radius relation for neutron stars in $f(R)$ gravity. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1640007. | 1.6 | 207 |
| 62 | EXTENDED GRAVITY: STATE OF THE ART AND PERSPECTIVES. , 2015, , . | | 0 |
| 63 | FROM BLACK HOLE QUANTIZATION TO UNIVERSAL SCALING LAWS. , 2015, , . | | 0 |
| 64 | Cosmological inflation in $f(R)$ gravity. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550095. | 0.8 | 25 |
| 65 | Noether symmetry approach for teleparallel-curvature cosmology. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550095. | 0.8 | 25 |
| 66 | Constraining $f(R)$ Gravity by the Large-Scale Structure. Universe, 2015, 1, 123-157. | 0.9 | 61 |
| 67 | Effective field theory from modified gravity with massive modes. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550004. | 0.8 | 9 |
| 68 | Interpreting the Dark Side of the Universe as Curvature Effects. Nuclear and Particle Physics Proceedings, 2015, 263-264, 113-118. | 0.2 | 4 |
| 69 | Invariant solutions and Noether symmetries in hybrid gravity. Physical Review D, 2015, 91, . | 1.6 | 64 |
| 70 | Probing the physical and mathematical structure of $f(R)$ -gravity by PSR J0348 + 0432. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550040. | 0.8 | 25 |
| 71 | Noether symmetry approach for Dirac-Born-Infeld cosmology. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550065. | 0.8 | 13 |
| 72 | Topological invariant quintessence. Modern Physics Letters A, 2015, 30, 1550069. | 0.5 | 18 |

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|----|---|------|-----------|
| 73 | Connecting early and late universe by $f(R)$ gravity. International Journal of Modern Physics D, 2015, 24, 1541002. | 0.9 | 48 |
| 74 | Probing Gravitational Theories with Eccentric Eclipsing Detached Binary Stars. Acta Polytechnica CTU Proceedings, 2014, 1, 255-258. | 0.3 | 0 |
| 75 | Noether symmetries in extended gravity quantum cosmology. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1460004. | 0.8 | 48 |
| 76 | Newtonian, Post-Newtonian and Parametrized Post-Newtonian limits of $f(R, ?)$ gravity. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450082. | 0.8 | 55 |
| 77 | Curvature dark energy reconstruction through different cosmographic distance definitions. Annalen Der Physik, 2014, 526, 309-317. | 0.9 | 11 |
| 78 | The affine structure of gravitational theories: Symplectic groups and geometry. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450081. | 0.8 | 13 |
| 79 | Noether symmetry approach in Gauss-Bonnet cosmology. Modern Physics Letters A, 2014, 29, 1450164. | 0.5 | 77 |
| 80 | Generating the Mass of Particles from Extended Theories of Gravity. Springer Proceedings in Physics, 2014, , 15-28. | 0.1 | 0 |
| 81 | Testing $f(R)$ -Theories by Binary Pulsars. Acta Polytechnica CTU Proceedings, 2014, 1, 251-254. | 0.3 | 0 |
| 82 | No further gravitational wave modes in $f(R)$ gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 194-198. | 1.5 | 111 |
| 83 | Testing $f(R)$ theories using the first time derivative of the orbital period of the binary pulsars. Monthly Notices of the Royal Astronomical Society, 2013, 431, 741-748. | 1.6 | 55 |
| 84 | Weak gravitational lensing by compact objects in fourth order gravity. Physical Review D, 2013, 88, . | 1.6 | 8 |
| 85 | Cosmographic Constraints and Cosmic Fluids. Galaxies, 2013, 1, 216-260. | 1.1 | 93 |
| 86 | Running coupling in electroweak interactions of leptons from $f(R)$ -gravity with torsion. European Physical Journal C, 2012, 72, 1. | 1.4 | 18 |
| 87 | Extended Theories of Gravity. Physics Reports, 2011, 509, 167-321. | 10.3 | 2,457 |
| 88 | Deriving the mass of particles from Extended Theories of Gravity in LHC era. European Physical Journal C, 2011, 71, 1. | 1.4 | 23 |
| 89 | MOND'S ACCELERATION SCALE AS A FUNDAMENTAL QUANTITY. Modern Physics Letters A, 2011, 26, 2677-2687. | 0.5 | 19 |
| 90 | PRIMORDIAL BLACK HOLES, ASTROPHYSICAL SYSTEMS AND THE EDDINGTON-WEINBERG RELATION. Modern Physics Letters A, 2011, 26, 2549-2558. | 0.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Astrophysical structures from primordial quantum black holes. European Physical Journal C, 2010, 69, 293-303. | 1.4 | 14 |
| 92 | Massive, massless and ghost modes of gravitational waves from higher-order gravity. Astroparticle Physics, 2010, 34, 236-244. | 1.9 | 97 |
| 93 | NEUTRINO OSCILLATION PHASE DYNAMICALLY INDUCED BY $f(R)$ -GRAVITY. Modern Physics Letters A, 2010, 25, 1163-1168. | 0.5 | 4 |
| 94 | Axially symmetric solutions in $f(R)$ ($f(R)$)-gravity. Classical and Quantum Gravity, 2010, 27, 165008. | 1.5 | 104 |
| 95 | A Bird's Eye View of $f(R)$ -Gravity. The Open Astronomy Journal, 2010, 3, 49-72. | 1.6 | 39 |
| 96 | A Bird's Eye View of $f(R)$ -Gravity~!2009-09-23~!2009-09-28~!2010-06-03~!. The Open Astronomy Journal, 2010, 3, 49-72. | 1.6 | 24 |
| 97 | Stochastic Background of Relic Scalar Gravitational Waves tuned by Extended Gravity. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 212-217. | 0.5 | 6 |
| 98 | Position and frequency shifts induced by massive modes of the gravitational wave background in alternative gravity. Physical Review D, 2009, 79, . | 1.6 | 28 |
| 99 | Higher-order gravity and the cosmological background of gravitational waves. Astroparticle Physics, 2008, 29, 125-129. | 1.9 | 51 |
| 100 | GRAVITATIONAL WAVES FROM HYPERBOLIC ENCOUNTERS. Modern Physics Letters A, 2008, 23, 99-107. | 0.5 | 29 |
| 101 | Tuning the stochastic background of gravitational waves with theory and observations. AIP Conference Proceedings, 2008, , . | 0.3 | 1 |
| 102 | STOCHASTIC BACKGROUND OF GRAVITATIONAL WAVES "TUNED" BY $f(R)$ GRAVITY. Modern Physics Letters A, 2007, 22, 1097-1104. | 0.5 | 26 |
| 103 | STOCHASTIC BACKGROUND OF RELIC SCALAR GRAVITATIONAL WAVES FROM SCALAR "TENSOR GRAVITY. Modern Physics Letters A, 2007, 22, 2647-2655. | 0.5 | 29 |