# Nadja S Magalhaes

List of Publications by Year
in descending order



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|---|---|---|---|
| 54 papers | 763 citations | 394421 19 h-index | 526287 27 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 277 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Analysis of a Proposed Experiment to Measure the Speed of Gravity in Short Distances. Advances in High Energy Physics, 2022, 2022, 1-8. | 1.1 | 2 |
| 2 | Angular momentum conservation and core superfluid dynamics for the pulsar J1734 â€3333. Astronomische Nachrichten, 2021, 342, 255-258. | 1.2 | 1 |
| 3 | A method to design mechanical transducers for resonantâ€mass gravitational wave detectors. Astronomische Nachrichten, 2021, 342, 123-127. | 1.2 | 0 |
| 4 | The challenge of calibrating a <scp>laserâ€interferometric</scp> gravitational wave detector. Astronomische Nachrichten, 2021, 342, 115-122. | 1.2 | 2 |
| 5 | The influence of rotation deceleration on the shape of a pulsar may reflect on the star's braking index. Astronomische Nachrichten, 2021, 342, 222-226. | 1.2 | 0 |
| 6 | On the Dilution Refrigerator Thermal Connection for the SCHENBERG Gravitational Wave Detector. Brazilian Journal of Physics, 2020, 50, 541-547. | 1.4 | 16 |
| 7 | The laser gravitational compass: A spheroidal interferometric gravitational observatory. International Journal of Modern Physics A, 2020, 35, 2040020. | 1.5 | 0 |
| 8 | Using pulsarâ€™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 |
| 9 | On the Cabling Seismic Isolation for the Microwave Transducers of the Schenberg Detector. Brazilian Journal of Physics, 2019, 49, 133-139. | 1.4 | 24 |
| 10 | Relating braking indices of young pulsars to the dynamics of superfluid cores. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 025-025. | 5.4 | 5 |
| 11 | Mass density and size estimates for spiral galaxies using general relativity. Astrophysics and Space Science, 2017, 362, 1. | 1.4 | 3 |
| 12 | A Model for the Braking Indices of Pulsars. International Journal of Modern Physics Conference Series, 2017, 45, 1760036. | 0.7 | 1 |
| 13 | Braking Indices of Pulsars Obtained in the Presence of an Effective Force. International Journal of Modern Physics Conference Series, 2017, 45, 1760037. | 0.7 | 0 |
| 14 | Bayesian Inference Applied to Pulsarâ€™s Models. International Journal of Modern Physics Conference Series, 2017, 45, 1760038. | 0.7 | 0 |
| 15 | Computation of Schenberg response function by using finite element modelling. Journal of Physics: Conference Series, 2016, 716, 012016. | 0.4 | 0 |
| 16 | How to overcome limitations of analytic solutions when determining the direction of a gravitational wave using experimental data: an example with the Schenberg detector. Journal of Physics: Conference Series, 2016, 716, 012019. | 0.4 | 0 |
| 17 | Thermal connection and vibrational isolation: an elegant solution for two problems. Journal of Physics: Conference Series, 2016, 716, 012023. | 0.4 | 0 |
| 18 | Braking indices of pulsars obtained in the presence of an effective force. Monthly Notices of the Royal Astronomical Society, 2016, 461, 3993-3996. | 4.4 | 10 |

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|---|---|---|---|
| 19 | On the Massive Antenna Suspension System in the Brazilian Gravitational Wave Detector SCHENBERG. Brazilian Journal of Physics, 2016, 46, 308-315. | 1.4 | 32 |
| 20 | Overcoming analytic solution limitations in gravitational wave direction determination. Classical and Quantum Gravity, 2015, 32, 095006. | 4.0 | 1 |
| 21 | Progress and challenges in advanced ground-based gravitational-wave detectors. General Relativity and Gravitation, 2014, 46, 1. | 2.0 | 2 |
| 22 | Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1. | 2.0 | 2 |
| 23 | On the detectability of gravitational waves emited by millisecond pulsars in 47 Tucanae. , 2013, , . | | 0 |
| 24 | Status Report of the Schenberg Gravitational Wave Antenna. Journal of Physics: Conference Series, 2012, 363, 012003. | 0.4 | 31 |
| 25 | PREDICTING RANGES FOR PULSARS' BRAKING INDICES. Astrophysical Journal, 2012, 755, 54. | 4.5 | 34 |
| 26 | Optimization of Mechanical Impedance Matchers for Parametric Transducers in Gravitational Wave Spherical Detectors. Journal of Physics: Conference Series, 2012, 363, 012009. | 0.4 | 0 |
| 27 | Searching for monochromatic signals in the ALLEGRO gravitational wave detector data. Journal of Physics: Conference Series, 2010, 228, 012007. | 0.4 | 3 |
| 28 | A physical criterion for validating the method used to design mechanical impedance matchers for Mario Schenberg's transducers. Journal of Physics: Conference Series, 2010, 228, 012011. | 0.4 | 23 |
| 29 | Data Analysis of Monochromatic Signals from ALLEGRO GW Detector. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 353-356. | 0.4 | 1 |
| 30 | SEARCH FOR MONOCHROMATIC SIGNALS USING DATA FROM THE ALLEGRO GRAVITATIONAL WAVE DETECTOR. International Journal of Modern Physics D, 2010, 19, 1293-1297. | 2.1 | 1 |
| 31 | Astrophysics from data analysis of spherical gravitational wave detectors. General Relativity and Gravitation, 2008, 40, 183-190. | 2.0 | 4 |
| 32 | The Schenberg spherical gravitational wave detector: the first commissioning runs. Classical and Quantum Gravity, 2008, 25, 114042. | 4.0 | 30 |
| 33 | Solution of the inverse problem in spherical gravitational wave detectors using a model with independent bars. Physical Review D, 2008, 78, . | 4.7 | 3 |
| 34 | Studying a new shape for mechanical impedance matchers in Mario Schenberg transducers. Journal of Physics: Conference Series, 2006, 32, 319-322. | 0.4 | 27 |
| 35 | The Brazilian gravitational wave detector Mario Schenberg: status report. Classical and Quantum Gravity, 2006, 23, S239-S244. | 4.0 | 44 |
| 36 | Resonant transducers for spherical gravitational wave detectors. Brazilian Journal of Physics, 2005, 35, 1201-1203. | 1.4 | 32 |

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| 37 | Challenges in signal analysis of resonant-mass gravitational wave detectors. Brazilian Journal of Physics, 2005, 35, 1195-1200. | 1.4 | 1 |
| 38 | The Brazilian gravitational wave detector Mario Schenberg: progress and plans. Classical and Quantum Gravity, 2005, 22, S209-S214. | 4.0 | 34 |
| 39 | Can lightning be a noise source for a spherical gravitational wave antenna?. Physical Review D, 2005, 72, . | 4.7 | 0 |
| 40 | Ultra-low phase noise 10 GHz oscillator to pump the parametric transducers of the Mario Schenberg gravitational wave detector. Classical and Quantum Gravity, 2004, 21, S1215-S1219. | 4.0 | 27 |
| 41 | A noise model for the Brazilian gravitational wave detector ÂMario SchenbergÂ. Classical and Quantum Gravity, 2004, 21, S1107-S1111. | 4.0 | 41 |
| 42 | The Brazilian spherical detector: progress and plans. Classical and Quantum Gravity, 2004, 21, S457-S463. | 4.0 | 52 |
| 43 | Response of the Brazilian gravitational wave detector to signals from a black hole ringdown. Classical and Quantum Gravity, 2004, 21, S827-S832. | 4.0 | 14 |
| 44 | Transducers for the Brazilian gravitational wave detector â€˜Mario Schenbergâ€™. Classical and Quantum Gravity, 2002, 19, 1961-1965. | 4.0 | 42 |
| 45 | Response of spherical gravitational wave antenna modes to high-energy cosmic ray particles. Classical and Quantum Gravity, 2002, 19, 1955-1960. | 4.0 | 0 |
| 46 | The status of the Brazilian spherical detector. Classical and Quantum Gravity, 2002, 19, 1949-1953. | 4.0 | 23 |
| 47 | The gravitational wave detector "Mario Schenberg": status of the project. Brazilian Journal of Physics, 2002, 32, 866-868. | 1.4 | 27 |
| 48 | Cosmic-ray noise and gravitational wave antennas at the quantum limit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 457, 175-179. | 1.6 | 2 |
| 49 | Excitation of the modes of a spherical antenna for gravitational waves by high energy particles. Physical Review D, 2001, 64, . | 4.7 | 2 |
| 50 | The first phase of the Brazilian graviton project: The Màrio Schenberg detector. AIP Conference Proceedings, 2000, , . | 0.4 | 5 |
| 51 | Perspectives on transducers for spherical gravitational wave detectors. AIP Conference Proceedings, 2000, , . | 0.4 | 2 |
| 52 | Possible Resonator Configurations for the Spherical Gravitational Wave Antenna. General Relativity and Gravitation, 1997, 29, 1511-1525. | 2.0 | 44 |
| 53 | A Geometric Method for Location of Gravitational Wave Sources. Astrophysical Journal, 1997, 475, 462-468. | 4.5 | 49 |
| 54 | Determination of astrophysical parameters from the spherical gravitational wave detector data. Monthly Notices of the Royal Astronomical Society, 1995, 274, 670-678. | 4.4 | 64 |