Nadja S Magalhaes

List of Publications by Year
in descending order

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	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
2	The Brazilian spherical detector: progress and plans. Classical and Quantum Gravity, 2004, 21, S457-S463.	4.0	52
3	A Geometric Method for Location of Gravitational Wave Sources. Astrophysical Journal, 1997, 475, 462-468.	4.5	49
4	Possible Resonator Configurations for the Spherical Gravitational Wave Antenna. General Relativity and Gravitation, 1997, 29, 1511-1525.	2.0	44
5	The Brazilian gravitational wave detector Mario Schenberg: status report. Classical and Quantum Gravity, 2006, 23, S239-S244.	4.0	44
6	Transducers for the Brazilian gravitational wave detector â€˜Mario Schenbergâ€™. Classical and Quantum Gravity, 2002, 19, 1961-1965.	4.0	42
7	A noise model for the Brazilian gravitational wave detector ÂMario SchenbergÂ. Classical and Quantum Gravity, 2004, 21, S1107-S1111.	4.0	41
8	The Brazilian gravitational wave detector Mario Schenberg: progress and plans. Classical and Quantum Gravity, 2005, 22, S209-S214.	4.0	34
9	PREDICTING RANGES FOR PULSARS' BRAKING INDICES. Astrophysical Journal, 2012, 755, 54.	4.5	34
10	Resonant transducers for spherical gravitational wave detectors. Brazilian Journal of Physics, 2005, 35, 1201-1203.	1.4	32
11	On the Massive Antenna Suspension System in the Brazilian Gravitational Wave Detector SCHENBERG. Brazilian Journal of Physics, 2016, 46, 308-315.	1.4	32
12	Status Report of the Schenberg Gravitational Wave Antenna. Journal of Physics: Conference Series, 2012, 363, 012003.	0.4	31
13	The Schenberg spherical gravitational wave detector: the first commissioning runs. Classical and Quantum Gravity, 2008, 25, 114042.	4.0	30
14	The gravitational wave detector "Mario Schenberg": status of the project. Brazilian Journal of Physics, 2002, 32, 866-868.	1.4	27
15	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
16	Studying a new shape for mechanical impedance matchers in Mario Schenberg transducers. Journal of Physics: Conference Series, 2006, 32, 319-322.	0.4	27
17	On the Cabling Seismic Isolation for the Microwave Transducers of the Schenberg Detector. Brazilian Journal of Physics, 2019, 49, 133-139.	1.4	24
18	The status of the Brazilian spherical detector. Classical and Quantum Gravity, 2002, 19, 1949-1953.	4.0	23

#	Article	IF	Citations
19	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
20	On the Dilution Refrigerator Thermal Connection for the SCHENBERG Gravitational Wave Detector. Brazilian Journal of Physics, 2020, 50, 541-547.	1.4	16
21	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
22	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
23	The first phase of the Brazilian graviton project: The Maìrio Schenberg detector. AIP Conference Proceedings, 2000, , .	0.4	5
24	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
25	Astrophysics from data analysis of spherical gravitational wave detectors. General Relativity and Gravitation, 2008, 40, 183-190.	2.0	4
26	Solution of the inverse problem in spherical gravitational wave detectors using a model with independent bars. Physical Review D, 2008, 78, .	4.7	3
27	Searching for monochromatic signals in the ALLEGRO gravitational wave detector data. Journal of Physics: Conference Series, 2010, 228, 012007.	0.4	3
28	Mass density and size estimates for spiral galaxies using general relativity. Astrophysics and Space Science, 2017, 362, 1.	1.4	3
29	Perspectives on transducers for spherical gravitational wave detectors. AIP Conference Proceedings, 2000, , .	0.4	2
30	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
31	Excitation of the modes of a spherical antenna for gravitational waves by high energy particles. Physical Review D, 2001, 64, .	4.7	2
32	Progress and challenges in advanced ground-based gravitational-wave detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
33	Concepts and research for future detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
34	The challenge of calibrating a <scp>laserâ€interferometric</scp> gravitational wave detector. Astronomische Nachrichten, 2021, 342, 115-122.	1.2	2
35	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
36	Challenges in signal analysis of resonant-mass gravitational wave detectors. Brazilian Journal of Physics, 2005, 35, 1195-1200.	1.4	1

#	Article	IF	Citations
37	Data Analysis of Monochromatic Signals from ALLEGRO GW Detector. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 353-356.	0.4	1
38	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
39	Overcoming analytic solution limitations in gravitational wave direction determination. Classical and Quantum Gravity, 2015, 32, 095006.	4.0	1
40	A Model for the Braking Indices of Pulsars. International Journal of Modern Physics Conference Series, 2017, 45, 1760036.	0.7	1
41	Angular momentum conservation and core superfluid dynamics for the pulsar J1734 â€3333. Astronomische Nachrichten, 2021, 342, 255-258.	1.2	1
42	Response of spherical gravitational wave antenna modes to high-energy cosmic ray particles. Classical and Quantum Gravity, 2002, 19, 1955-1960.	4.0	0
43	Can lightning be a noise source for a spherical gravitational wave antenna?. Physical Review D, 2005, 72, .	4.7	0
44	Optimization of Mechanical Impedance Matchers for Parametric Transducers in Gravitational Wave Spherical Detectors. Journal of Physics: Conference Series, 2012, 363, 012009.	0.4	0
45	On the detectability of gravitational waves emited by millisecond pulsars in 47 Tucanae. , 2013, , .		0
46	Computation of Schenberg response function by using finite element modelling. Journal of Physics: Conference Series, 2016, 716, 012016.	0.4	0
47	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
48	Thermal connection and vibrational isolation: an elegant solution for two problems. Journal of Physics: Conference Series, 2016, 716, 012023.	0.4	0
49	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
50	Bayesian Inference Applied to Pulsarâ€™s Models. International Journal of Modern Physics Conference Series, 2017, 45, 1760038.	0.7	0
51	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
52	The laser gravitational compass: A spheroidal interferometric gravitational observatory. International Journal of Modern Physics A, 2020, 35, 2040020.	1.5	0
53	A method to design mechanical transducers for resonantâ€mass gravitational wave detectors. Astronomische Nachrichten, 2021, 342, 123-127.	1.2	0
54	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