

Jiro Soda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8013176/publications.pdf>

Version: 2024-02-01

165
papers

6,286
citations

57631

44
h-index

76769

74
g-index

166
all docs

166
docs citations

166
times ranked

1980
citing authors

#	ARTICLE	IF	CITATIONS
19	Polarized Initial States of Primordial Gravitational Waves. <i>Symmetry</i> , 2020, 12, 672.	1.1	3
20	Stability of magnetic black holes in general nonlinear electrodynamics. <i>Physical Review D</i> , 2020, 101, .	1.6	17
21	Stability of axion dark matter-photon conversion. <i>Physical Review D</i> , 2020, 101, .	1.6	12
22	A formalism for magnon gravitational wave detectors. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	21
23	Search for ultralight scalar dark matter with NANOGrav pulsar timing arrays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 036-036.	1.9	12
24	Probing GHz gravitational waves with gravitonâ€magnon resonance. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	52
25	Quasinormal modes of p -forms in spherical black holes. <i>Physical Review D</i> , 2019, 99, .	1.6	2
26	Accelerating universe with a stable extra dimension in cuscuton gravity. <i>Physical Review D</i> , 2019, 100, .	1.6	15
27	Detecting nonclassical primordial gravitational waves with Hanbury-Brownâ€Twiss interferometry. <i>Physical Review D</i> , 2019, 99, .	1.6	24
28	Searching for bispectrum of stochastic gravitational waves with pulsar timing arrays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 032-032.	1.9	6
29	Dressed power-law inflation with a cuscuton. <i>Physical Review D</i> , 2019, 99, .	1.6	16
30	Birth of de Sitter universe from a time crystal universe. <i>Physical Review D</i> , 2019, 100, .	1.6	2
31	Schwinger pair production by electric field coupled to inflaton. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 018-018.	1.9	22
32	Anisotropic constant-roll Inflation. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	53
33	Cosmological imprints of string axions in plateau. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	24
34	Electromagnetic waves propagating in the string axiverse. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	1.8	13
35	Exploring the string axiverse and parity violation in gravity with gravitational waves. <i>International Journal of Modern Physics D</i> , 2018, 27, 1850096.	0.9	34
36	Gravitational wave forest from string axiverse. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 008-008.	1.9	52

#	ARTICLE	IF	CITATIONS
37	Conversion of gravitons into dark photons in cosmological dark magnetic fields. Physical Review D, 2018, 98, .	1.6	8
38	Photon-axion conversion, magnetic field configuration, and polarization of photons. Physical Review D, 2017, 96, .	1.6	29
39	Electromagnetic memory effect induced by axion dark matter. Physical Review D, 2017, 96, .	1.6	4
40	Primordial gravitational waves induced by magnetic fields in an ekpyrotic scenario. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 415-420.	1.5	12
41	Nonlinear resonant oscillation of gravitational potential induced by ultralight axion in $f(R)$ gravity. Physical Review D, 2017, 96, .	1.6	16
42	Detecting ultralight axion dark matter wind with laser interferometers. International Journal of Modern Physics D, 2017, 26, 1750063.	0.9	36
43	Infinite violation of Bell inequalities in inflation. Physical Review D, 2017, 96, .	1.6	26
44	Publisher's Note: Chiral primordial gravitational waves from dilaton induced delayed chromonatural inflation [Phys. Rev. D 93 , 123502 (2016)]. Physical Review D, 2017, 95, .	1.6	21
45	Quantum Correlations in de Sitter Space. Universe, 2017, 3, 2.	0.9	5
46	Exploring String Axions with Gravitational Waves. Galaxies, 2017, 5, 96.	1.1	12
47	Bell Inequality and Its Application to Cosmology. Galaxies, 2017, 5, 99.	1.1	6
48	Quasinormal modes of black holes in Lovelock gravity. Physical Review D, 2016, 93, .	1.6	22
49	Probing circular polarization in stochastic gravitational wave background with pulsar timing arrays. Physical Review D, 2016, 93, .	1.6	33
50	Comment on "Gauss-Bonnet inflation". Physical Review D, 2016, 93, .	1.6	54
51	Pulsar timing signal from ultralight axion in $f(R)$ gravity. Physical Review D, 2016, 93, .	1.6	13
52	Chiral primordial gravitational waves from dilaton induced delayed chromonatural inflation. Physical Review D, 2016, 93, .	1.6	51
53	Oscillating chiral tensor spectrum from axionic inflation. Physical Review D, 2016, 94, .	1.6	34
54	MHz gravitational waves from short-term anisotropic inflation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 035-035.	1.9	41

#	ARTICLE	IF	CITATIONS
55	Quantum discord in de Sitter space. <i>Physical Review D</i> , 2016, 94, .	1.6	40
56	Chromo-natural inflation in the axiverse. <i>Physical Review D</i> , 2015, 92, .	1.6	27
57	Designing anisotropic inflation with form fields. <i>Physical Review D</i> , 2015, 92, .	1.6	50
58	Entanglement negativity in the multiverse. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 015-015.	1.9	32
59	Primordial gravitational waves in bimetric gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 015-015.	1.9	3
60	Anisotropic Power-law Inflation:A counter example to the cosmic no-hair conjecture. <i>Journal of Physics: Conference Series</i> , 2015, 600, 012026.	0.3	3
61	Schwinger effect in de Sitter space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 009-009.	1.9	86
62	Dynamics of electroweak gauge fields during and after Higgs inflation. <i>Physical Review D</i> , 2014, 90, .	1.6	8
63	Entanglement entropy of \hat{f}_{\pm} -vacua in de Sitter space. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	41
64	Anisotropic power-law k-inflation. <i>Physical Review D</i> , 2013, 88, .	1.6	59
65	Gauge fields and inflation. <i>Physics Reports</i> , 2013, 528, 161-261.	10.3	268
66	On cosmic no-hair in bimetric gravity and the Higuchi bound. <i>Progress of Theoretical and Experimental Physics</i> , 2013, 2013, 33E02-0.	1.8	22
67	Anisotropic non-Gaussianity from a two-form field. <i>Physical Review D</i> , 2013, 87, .	1.6	59
68	Observational signatures of anisotropic inflationary models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 009-009.	1.9	61
69	Pathologies in Lovelock AdS black branes and AdS/CFT. <i>Classical and Quantum Gravity</i> , 2012, 29, 035008.	1.5	26
70	Destabilizing Tachyonic Vacua at or above the BF Bound. <i>Progress of Theoretical Physics</i> , 2012, 128, 213-226.	2.0	8
71	Observer dependence of bubble nucleation and Schwinger pair production. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 006-006.	1.9	36
72	Gauge-flation and cosmic no-hair conjecture. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 016-016.	1.9	45

#	ARTICLE	IF	CITATIONS
73	Tunneling without barriers with gravity. <i>Classical and Quantum Gravity</i> , 2012, 29, 075010.	1.5	15
74	Inflation with multi-vector hair: the fate of anisotropy. <i>Classical and Quantum Gravity</i> , 2012, 29, 145008.	1.5	63
75	Statistical anisotropy from anisotropic inflation. <i>Classical and Quantum Gravity</i> , 2012, 29, 083001.	1.5	150
76	EXACT COLEMAN–DE LUCCIA INSTANTONS. <i>International Journal of Modern Physics D</i> , 2012, 21, 1250040.	0.9	13
77	Holographic dual of de Sitter universe with AdS bubbles. <i>Nuclear Physics B</i> , 2012, 855, 361-387.	0.9	5
78	When is multimetric gravity ghost-free?. <i>Physical Review D</i> , 2012, 86, .	1.6	43
79	Imprints of the anisotropic inflation on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 412, L83-L87.	1.2	97
80	Parity violation in graviton non-gaussianity. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	92
81	Anisotropic inflation with non-abelian gauge kinetic function. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 037-037.	1.9	60
82	AdS/CFT on the Brane. <i>Lecture Notes in Physics</i> , 2011, , 235-270.	0.3	6
83	Anisotropic power-law inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 024-024.	1.9	109
84	The Nature of Primordial Fluctuations from Anisotropic Inflation. <i>Progress of Theoretical Physics</i> , 2010, 123, 1041-1068.	2.0	181
85	Master Equations for Gravitational Perturbations of Static Lovelock Black Holes in Higher Dimensions. <i>Progress of Theoretical Physics</i> , 2010, 124, 911-924.	2.0	68
86	Catastrophic Instability of Small Lovelock Black Holes. <i>Progress of Theoretical Physics</i> , 2010, 124, 711-729.	2.0	59
87	Hawking radiation from fluctuating black holes. <i>Classical and Quantum Gravity</i> , 2010, 27, 175008.	1.5	11
88	Stability of holographic superconductors. <i>Physical Review D</i> , 2010, 82, .	1.6	5
89	Inflationary Universe with Anisotropic Hair. <i>Physical Review Letters</i> , 2009, 102, 191302.	2.9	313
90	Chiral Primordial Gravitational Waves from a Lifshitz Point. <i>Physical Review Letters</i> , 2009, 102, 231301.	2.9	234

#	ARTICLE	IF	CITATIONS
91	Cosmological magnetic fields from inflation and backreaction. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 009-009.	1.9	158
92	Holographic superconductors with higher curvature corrections. Journal of High Energy Physics, 2009, 2009, 010-010.	1.6	213
93	Instability of small Lovelock black holes in even dimensions. Physical Review D, 2009, 80, .	1.6	33
94	Stability of Lovelock black holes under tensor perturbations. Physical Review D, 2009, 79, .	1.6	44
95	Einstein-Maxwell-dilaton theories with a Liouville potential. Physical Review D, 2009, 80, .	1.6	51
96	Evolution of perturbations of squashed Kaluza-Klein black holes: Escape from instability. Physical Review D, 2008, 77, .	1.6	51
97	Looking at the Gregory-Laflamme instability through quasinormal modes. Physical Review D, 2008, 78, .	1.6	33
98	Stability of squashed Kaluza-Klein black holes. Physical Review D, 2008, 77, .	1.6	28
99	Circular polarization of primordial gravitational waves in string-inspired inflationary cosmology. Physical Review D, 2008, 77, .	1.6	146
100	Anisotropic inflation from vector impurity. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 034.	1.9	94
101	On the separability of field equations in Myers-Perry spacetimes. Classical and Quantum Gravity, 2008, 25, 035006.	1.5	31
102	Higher curvature corrections to primordial fluctuations in slow-roll inflation. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 019.	1.9	92
103	Stability of Five-Dimensional Myers-Perry Black Holes with Equal Angular Momenta. Progress of Theoretical Physics, 2008, 120, 561-579.	2.0	45
104	Primordial statistical anisotropy generated at the end of inflation. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 005.	1.9	150
105	Kaluza-Klein Braneworld Cosmology with Static Internal Dimensions. Progress of Theoretical Physics, 2007, 118, 701-713.	2.0	11
106	Renormalized Newtonian cosmic evolution with primordial non-Gaussianity. Physical Review D, 2007, 76, .	1.6	30
107	Hawking radiation from squashed Kaluza-Klein black holes: A window to extra dimensions. Physical Review D, 2007, 76, .	1.6	28
108	Fate of Kaluza-Klein black holes: Evaporation or excision?. Physical Review D, 2007, 75, .	1.6	6

#	ARTICLE	IF	CITATIONS
109	Lorentz violating inflation. Physical Review D, 2006, 74, .	1.6	93
110	Hawking radiation from rotating black holes and gravitational anomalies. Physical Review D, 2006, 74, .	1.6	117
111	More on the spectrum of perturbations in string gas cosmology. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 009-009.	1.9	51
112	Braneworld cosmological perturbation theory at low energy. General Relativity and Gravitation, 2005, 37, 1621-1628.	0.7	1
113	Black string perturbations in RS1 model. General Relativity and Gravitation, 2005, 37, 1651-1662.	0.7	3
114	Braneworld flux inflation. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 002-002.	1.9	9
115	Moduli stabilization in string gas compactification. Physical Review D, 2005, 72, .	1.6	17
116	Validity of a factorizable metric ansatz in string cosmology. Physical Review D, 2005, 71, .	1.6	9
117	Rotating black string and the effective Teukolsky equation in the braneworld. Classical and Quantum Gravity, 2004, 21, 1915-1923.	1.5	12
118	A quasi-thick codimension 2 braneworld. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 002-002.	1.9	44
119	Radionic nonuniform black strings. Physical Review D, 2004, 69, .	1.6	11
120	Low Energy Effective Action for Dilatonic Braneworld â€”A Formalism for Inflationary Braneworldâ€”. General Relativity and Gravitation, 2004, 36, 689-712.	0.7	31
121	Braneworld Kaluzaâ€”Klein corrections in a nutshell. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 588, 203-209.	1.5	11
122	Holographic View of Cosmological Perturbations. Astrophysics and Space Science, 2003, 283, 639-644.	0.5	8
123	Brane World Effective Action at Low Energies. Astrophysics and Space Science, 2003, 283, 481-486.	0.5	10
124	Born-Again Braneworld. Progress of Theoretical Physics, 2003, 109, 357-369.	2.0	25
125	Holographic View of Cosmological Perturbations. , 2003, , 201-206.		0
126	Brane world effective action at low energies and AdS/CFT correspondence. Physical Review D, 2002, 66, .	1.6	85

#	ARTICLE	IF	CITATIONS
127	Radion and holographic brane gravity. <i>Physical Review D</i> , 2002, 66, .	1.6	93
128	Thick brane worlds and their stability. <i>Physical Review D</i> , 2002, 65, .	1.6	154
129	Cosmological Perturbations in the Brane World. <i>Progress of Theoretical Physics Supplement</i> , 2002, 148, 136-144.	0.2	1
130	Quantum fluctuations of bulk inflaton in inflationary brane world. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 501, 157-164.	1.5	54
131	SELF-TUNING DARK ENERGY IN BRANE WORLD COSMOLOGY. <i>Modern Physics Letters A</i> , 2001, 16, 1089-1099.	0.5	13
132	Strongly coupled CFT in FRW universe from AdS/CFT correspondence. <i>Journal of High Energy Physics</i> , 2001, 2001, 027-027.	1.6	30
133	Bulk gravitational field and cosmological perturbations on the brane. <i>Physical Review D</i> , 2001, 65, .	1.6	47
134	The spherical infall model in a cosmological background density field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 317, 873-879.	1.6	5
135	Birth of the brane world. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 483, 432-442.	1.5	35
136	Statistical entropy of BTZ black hole in higher curvature gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 471, 358-366.	1.5	88
137	Black holes and a scalar field in an expanding universe. <i>Classical and Quantum Gravity</i> , 2000, 17, 4967-4980.	1.5	10
138	Evolution of cosmological perturbations in the brane world. <i>Physical Review D</i> , 2000, 62, .	1.6	106
139	An open universe from valley bounce. <i>Nuclear Physics B</i> , 2000, 580, 409-437.	0.9	3
140	Semiclassical approach to stability of the extra-dimensional spaces in higher-curvature gravity theories. <i>Classical and Quantum Gravity</i> , 1999, 16, 1873-1888.	1.5	5
141	Baryon Isocurvature Perturbation in the Affleck-Dine Baryogenesis Mechanism. <i>Physical Review Letters</i> , 1999, 82, 2632-2635.	2.9	13
142	Nonsingular Bianchi type I cosmological solutions from the 1-loop superstring effective action. <i>Physical Review D</i> , 1999, 59, .	1.6	37
143	Evolution of fluctuations during graceful exit in string cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 460, 41-46.	1.5	86
144	A canonical formalism for a higher-curvature gravity. <i>Classical and Quantum Gravity</i> , 1999, 16, 1127-1135.	1.5	9

#	ARTICLE	IF	CITATIONS
145	Quasi-nonlinear Evolution of Stochastic Bias. <i>Astrophysical Journal</i> , 1999, 510, 541-550.	1.6	31
146	Stochastic Biasing and the Galaxy-Mass Density Relation in the Weakly Nonlinear Regime. <i>Astrophysical Journal</i> , 1999, 522, 46-58.	1.6	36
147	Instability of 1-loop superstring cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 437, 284-290.	1.5	138
148	Semiclassical approach to stability of extra-dimensional spaces. <i>Classical and Quantum Gravity</i> , 1997, 14, 257-268.	1.5	2
149	Inhomogeneity of spatial curvature for inflation. <i>Physical Review D</i> , 1997, 55, 3337-3345.	1.6	8
150	A possible way of stabilizing a higher-dimensional universe. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1996, 111, 355-362.	0.2	4
151	Nonlinear Self-Modulation in Newtonian Gravity. <i>Progress of Theoretical Physics</i> , 1996, 95, 51-63.	2.0	1
152	Comment on entropy in two-dimensional dilaton gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 378, 68-77.	1.5	0
153	Higher dimensional self-similar spherical symmetric scalar field collapse and critical phenomena in black-hole formation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 387, 271-277.	1.5	13
154	Wavelet Analysis of One-Dimensional Cosmological Density Fluctuations. <i>Progress of Theoretical Physics</i> , 1996, 95, 1059-1077.	2.0	7
155	Critical Behavior in the Brans-Dicke Theory of Gravitation. <i>Progress of Theoretical Physics</i> , 1996, 96, 567-574.	2.0	25
156	Hamilton-Jacobi Equation for Brans-Dicke Theory and Its Long-Wavelength Solution. <i>Progress of Theoretical Physics</i> , 1995, 94, 781-793.	2.0	22
157	Effects of topology on the gravitational wave. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 335, 131-135.	1.5	3
158	Nonlinear gravitational evolution of phases and amplitudes in one-dimensional cosmological density fields. <i>Astrophysical Journal</i> , 1992, 396, 379.	1.6	22
159	Axially symmetric domain wall in 2 + 1 dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 269, 275-278.	1.5	2
160	A novel supersymmetry in two-dimensional Yang-Mills theory on Riemann surfaces. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 267, 214-218.	1.5	10
161	MODULI SPACE OF CHERN-SIMONS GRAVITY. <i>Modern Physics Letters A</i> , 1991, 06, 303-312.	0.5	2
162	ABELIAN GAUGE THEORY IN TOPOLOGICALLY NON-TRIVIAL SPACE. <i>Modern Physics Letters A</i> , 1989, 04, 2539-2547.	0.5	5

#	ARTICLE	IF	CITATIONS
163	Comment on the non-renormalization theorem in the four-dimensional superstrings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 73-77.	1.5	2
164	RENORMALIZATION GROUP FLOW AND OPEN STRING DYNAMICS. Modern Physics Letters A, 1988, 03, 1797-1805.	0.5	1
165	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	1.8	3