

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
1	Inflationary Universe with Anisotropic Hair. <i>Physical Review Letters</i> , 2009, 102, 191302.	2.9	313
2	Gauge fields and inflation. <i>Physics Reports</i> , 2013, 528, 161-261.	10.3	268
3	Chiral Primordial Gravitational Waves from a Lifshitz Point. <i>Physical Review Letters</i> , 2009, 102, 231301.	2.9	234
4	Holographic superconductors with higher curvature corrections. <i>Journal of High Energy Physics</i> , 2009, 2009, 010-010.	1.6	213
5	The Nature of Primordial Fluctuations from Anisotropic Inflation. <i>Progress of Theoretical Physics</i> , 2010, 123, 1041-1068.	2.0	181
6	Cosmological magnetic fields from inflation and backreaction. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 009-009.	1.9	158
7	Thick brane worlds and their stability. <i>Physical Review D</i> , 2002, 65, .	1.6	154
8	Primordial statistical anisotropy generated at the end of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 005.	1.9	150
9	Statistical anisotropy from anisotropic inflation. <i>Classical and Quantum Gravity</i> , 2012, 29, 083001.	1.5	150
10	Circular polarization of primordial gravitational waves in string-inspired inflationary cosmology. <i>Physical Review D</i> , 2008, 77, .	1.6	146
11	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
12	Hawking radiation from rotating black holes and gravitational anomalies. <i>Physical Review D</i> , 2006, 74, .	1.6	117
13	Anisotropic power-law inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 024-024.	1.9	109
14	Evolution of cosmological perturbations in the brane world. <i>Physical Review D</i> , 2000, 62, .	1.6	106
15	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
16	Anisotropic inflation from vector impurity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 034.	1.9	94
17	Radion and holographic brane gravity. <i>Physical Review D</i> , 2002, 66, .	1.6	93
18	Lorentz violating inflation. <i>Physical Review D</i> , 2006, 74, .	1.6	93

#	ARTICLE	IF	CITATIONS
19	Higher curvature corrections to primordial fluctuations in slow-roll inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 019.	1.9	92
20	Parity violation in graviton non-gaussianity. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	92
21	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
22	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
23	Schwinger effect in de Sitter space. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 009-009.	1.9	86
24	Brane world effective action at low energies and AdS/CFT correspondence. <i>Physical Review D</i> , 2002, 66, .	1.6	85
25	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
26	Inflation with multi-vector hair: the fate of anisotropy. <i>Classical and Quantum Gravity</i> , 2012, 29, 145008.	1.5	63
27	Observational signatures of anisotropic inflationary models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 009-009.	1.9	61
28	Anisotropic inflation with non-abelian gauge kinetic function. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 037-037.	1.9	60
29	Catastrophic Instability of Small Lovelock Black Holes. <i>Progress of Theoretical Physics</i> , 2010, 124, 711-729.	2.0	59
30	Anisotropic power-law k-inflation. <i>Physical Review D</i> , 2013, 88, .	1.6	59
31	Anisotropic non-Gaussianity from a two-form field. <i>Physical Review D</i> , 2013, 87, .	1.6	59
32	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
33	Comment on "Gauss-Bonnet inflation" <i>Physical Review D</i> , 2016, 93, .	1.6	54
34	Anisotropic constant-roll Inflation. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	53
35	Gravitational wave forest from string axiverse. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 008-008.	1.9	52
36	Probing GHz gravitational waves with graviton-magnon resonance. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	52

#	ARTICLE	IF	CITATIONS
37	More on the spectrum of perturbations in string gas cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 009-009.	1.9	51
38	Evolution of perturbations of squashed Kaluza-Klein black holes: Escape from instability. <i>Physical Review D</i> , 2008, 77, .	1.6	51
39	Einstein-Maxwell-dilaton theories with a Liouville potential. <i>Physical Review D</i> , 2009, 80, .	1.6	51
40	Chiral primordial gravitational waves from dilaton induced delayed chromonatural inflation. <i>Physical Review D</i> , 2016, 93, .	1.6	51
41	Designing anisotropic inflation with form fields. <i>Physical Review D</i> , 2015, 92, .	1.6	50
42	Bulk gravitational field and cosmological perturbations on the brane. <i>Physical Review D</i> , 2001, 65, .	1.6	47
43	Stability of Five-Dimensional Myers-Perry Black Holes with Equal Angular Momenta. <i>Progress of Theoretical Physics</i> , 2008, 120, 561-579.	2.0	45
44	Gauge-flation and cosmic no-hair conjecture. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 016-016.	1.9	45
45	A quasi-thick codimension 2 braneworld. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 002-002.	1.9	44
46	Stability of Lovelock black holes under tensor perturbations. <i>Physical Review D</i> , 2009, 79, .	1.6	44
47	When is multimetric gravity ghost-free?. <i>Physical Review D</i> , 2012, 86, .	1.6	43
48	Entanglement entropy of $\hat{1}\pm$ -vacua in de Sitter space. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	41
49	MHz gravitational waves from short-term anisotropic inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 035-035.	1.9	41
50	Quantum discord in de Sitter space. <i>Physical Review D</i> , 2016, 94, .	1.6	40
51	Nonsingular Bianchi type I cosmological solutions from the 1-loop superstring effective action. <i>Physical Review D</i> , 1999, 59, .	1.6	37
52	Observer dependence of bubble nucleation and Schwinger pair production. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 006-006.	1.9	36
53	Detecting ultralight axion dark matter wind with laser interferometers. <i>International Journal of Modern Physics D</i> , 2017, 26, 1750063.	0.9	36
54	Stochastic Biasing and the Galaxyâ€™Mass Density Relation in the Weakly Nonlinear Regime. <i>Astrophysical Journal</i> , 1999, 522, 46-58.	1.6	36

#	ARTICLE	IF	CITATIONS
55	Birth of the brane world. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 432-442.	1.5	35
56	Oscillating chiral tensor spectrum from axionic inflation. Physical Review D, 2016, 94, .	1.6	34
57	Exploring the string axiverse and parity violation in gravity with gravitational waves. International Journal of Modern Physics D, 2018, 27, 1850096.	0.9	34
58	Looking at the Gregory-Laflamme instability through quasinormal modes. Physical Review D, 2008, 78, .	1.6	33
59	Instability of small Lovelock black holes in even dimensions. Physical Review D, 2009, 80, .	1.6	33
60	Probing circular polarization in stochastic gravitational wave background with pulsar timing arrays. Physical Review D, 2016, 93, .	1.6	33
61	Entanglement negativity in the multiverse. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 015-015.	1.9	32
62	Quasi-nonlinear Evolution of Stochastic Bias. Astrophysical Journal, 1999, 510, 541-550.	1.6	31
63	Low Energy Effective Action for Dilatonic Braneworld "A Formalism for Inflationary Braneworld". General Relativity and Gravitation, 2004, 36, 689-712.	0.7	31
64	On the separability of field equations in Myers-Perry spacetimes. Classical and Quantum Gravity, 2008, 25, 035006.	1.5	31
65	Strongly coupled CFT in FRW universe from AdS/CFT correspondence. Journal of High Energy Physics, 2001, 2001, 027-027.	1.6	30
66	Renormalized Newtonian cosmic evolution with primordial non-Gaussianity. Physical Review D, 2007, 76, .	1.6	30
67	Noise and decoherence induced by gravitons. Physical Review D, 2021, 103, .	1.6	30
68	Photon-axion conversion, magnetic field configuration, and polarization of photons. Physical Review D, 2017, 96, .	1.6	29
69	Hawking radiation from squashed Kaluza-Klein black holes: A window to extra dimensions. Physical Review D, 2007, 76, .	1.6	28
70	Stability of squashed Kaluza-Klein black holes. Physical Review D, 2008, 77, .	1.6	28
71	Chromo-natural inflation in the axiverse. Physical Review D, 2015, 92, .	1.6	27
72	Pathologies in Lovelock AdS black branes and AdS/CFT. Classical and Quantum Gravity, 2012, 29, 035008.	1.5	26

#	ARTICLE	IF	CITATIONS
73	Infinite violation of Bell inequalities in inflation. <i>Physical Review D</i> , 2017, 96, .	1.6	26
74	Critical Behavior in the Brans-Dicke Theory of Gravitation. <i>Progress of Theoretical Physics</i> , 1996, 96, 567-574.	2.0	25
75	Born-Again Braneworld. <i>Progress of Theoretical Physics</i> , 2003, 109, 357-369.	2.0	25
76	Nano-Hz Gravitational-Wave Signature from Axion Dark Matter. <i>Physical Review Letters</i> , 2021, 126, 121301.	2.9	25
77	Cosmological imprints of string axions in plateau. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	24
78	Detecting nonclassical primordial gravitational waves with Hanbury-Brown&Twiss interferometry. <i>Physical Review D</i> , 2019, 99, .	1.6	24
79	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
80	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
81	Quasinormal modes of black holes in Lovelock gravity. <i>Physical Review D</i> , 2016, 93, .	1.6	22
82	Schwinger pair production by electric field coupled to inflaton. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 018-018.	1.9	22
83	Nonlinear gravitational evolution of phases and amplitudes in one-dimensional cosmological density fields. <i>Astrophysical Journal</i> , 1992, 396, 379.	1.6	22
84	Publisher's Note: Chiral primordial gravitational waves from dilaton induced delayed chromonatural inflation [<i>Phys. Rev. D</i> 93, 123502 (2016)]. <i>Physical Review D</i> , 2017, 95, .	1.6	21
85	A formalism for magnon gravitational wave detectors. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	21
86	Indirect detection of gravitons through quantum entanglement. <i>Physical Review D</i> , 2021, 104, .	1.6	21
87	Pulsar timing residual induced by ultralight vector dark matter. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	18
88	Moduli stabilization in string gas compactification. <i>Physical Review D</i> , 2005, 72, .	1.6	17
89	Stability of magnetic black holes in general nonlinear electrodynamics. <i>Physical Review D</i> , 2020, 101, .	1.6	17
90	Nonlinear resonant oscillation of gravitational potential induced by ultralight axion in $f(R)$ gravity. <i>Physical Review D</i> , 2017, 96, .	1.6	16

#	ARTICLE	IF	CITATIONS
91	Dressed power-law inflation with a cuscuton. <i>Physical Review D</i> , 2019, 99, .	1.6	16
92	Tunneling without barriers with gravity. <i>Classical and Quantum Gravity</i> , 2012, 29, 075010.	1.5	15
93	Accelerating universe with a stable extra dimension in cuscuton gravity. <i>Physical Review D</i> , 2019, 100, .	1.6	15
94	Constraining the gravitational coupling of axion dark matter at LIGO. <i>Physical Review D</i> , 2020, 102, .	1.6	15
95	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
96	Baryon Isocurvature Perturbation in the Affleck-Dine Baryogenesis Mechanism. <i>Physical Review Letters</i> , 1999, 82, 2632-2635.	2.9	13
97	SELF-TUNING DARK ENERGY IN BRANE WORLD COSMOLOGY. <i>Modern Physics Letters A</i> , 2001, 16, 1089-1099.	0.5	13
98	EXACT COLEMAN-DE LUCCIA INSTANTONS. <i>International Journal of Modern Physics D</i> , 2012, 21, 1250040.	0.9	13
99	Pulsar timing signal from ultralight axion in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">f < /mml:mi> < mml:mo stretchy="false"> (< /mml:mo> < mml:mi> R < /mml:mi> < mml:mo> T_j \text{ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 412 Td} \langle \text{stretchy="false"> ($	1.6	13
100	Electromagnetic waves propagating in the string axiverse. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	1.8	13
101	Anisotropic hyperbolic inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 026.	1.9	13
102	Rotating black string and the effective Teukolsky equation in the braneworld. <i>Classical and Quantum Gravity</i> , 2004, 21, 1915-1923.	1.5	12
103	Primordial gravitational waves induced by magnetic fields in an ekpyrotic scenario. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 415-420.	1.5	12
104	Exploring String Axions with Gravitational Waves. <i>Galaxies</i> , 2017, 5, 96.	1.1	12
105	Stability of axion dark matter-photon conversion. <i>Physical Review D</i> , 2020, 101, .	1.6	12
106	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
107	Radionic nonuniform black strings. <i>Physical Review D</i> , 2004, 69, .	1.6	11
108	Braneworld Kaluza-Klein corrections in a nutshell. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 588, 203-209.	1.5	11

#	ARTICLE	IF	CITATIONS
109	Kaluza-Klein Braneworld Cosmology with Static Internal Dimensions. Progress of Theoretical Physics, 2007, 118, 701-713.	2.0	11
110	Hawking radiation from fluctuating black holes. Classical and Quantum Gravity, 2010, 27, 175008.	1.5	11
111	A novel supersymmetry in two-dimensional Yang-Mills theory on Riemann surfaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 267, 214-218.	1.5	10
112	Black holes and a scalar field in an expanding universe. Classical and Quantum Gravity, 2000, 17, 4967-4980.	1.5	10
113	Brane World Effective Action at Low Energies. Astrophysics and Space Science, 2003, 283, 481-486.	0.5	10
114	Gravitational Waves in Axion Dark Matter. Universe, 2020, 6, 89.	0.9	10
115	A canonical formalism for a higher-curvature gravity. Classical and Quantum Gravity, 1999, 16, 1127-1135.	1.5	9
116	Braneworld flux inflation. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 002-002.	1.9	9
117	Validity of a factorizable metric ansatz in string cosmology. Physical Review D, 2005, 71, .	1.6	9
118	Axion search with quantum nondemolition detection of magnons. Physical Review D, 2022, 105, .	1.6	9
119	Inhomogeneity of spatial curvature for inflation. Physical Review D, 1997, 55, 3337-3345.	1.6	8
120	Holographic View of Cosmological Perturbations. Astrophysics and Space Science, 2003, 283, 639-644.	0.5	8
121	Destabilizing Tachyonic Vacua at or above the BF Bound. Progress of Theoretical Physics, 2012, 128, 213-226.	2.0	8
122	Dynamics of electroweak gauge fields during and after Higgs inflation. Physical Review D, 2014, 90, .	1.6	8
123	Conversion of gravitons into dark photons in cosmological dark magnetic fields. Physical Review D, 2018, 98, .	1.6	8
124	Wavelet Analysis of One-Dimensional Cosmological Density Fluctuations. Progress of Theoretical Physics, 1996, 95, 1059-1077.	2.0	7
125	Effective field theory of anisotropic inflation and beyond. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 027-027.	1.9	7
126	Fate of Kaluza-Klein black holes: Evaporation or excision?. Physical Review D, 2007, 75, .	1.6	6

#	ARTICLE	IF	CITATIONS
145	Anisotropic Power-law Inflation:A counter example to the cosmic no-hair conjecture. Journal of Physics: Conference Series, 2015, 600, 012026.	0.3	3
146	Polarized Initial States of Primordial Gravitational Waves. Symmetry, 2020, 12, 672.	1.1	3
147	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	1.8	3
148	Harvesting quantum coherence from axion dark matter. Modern Physics Letters A, 2022, 37, .	0.5	3
149	Geometric structure of multi-form-field isotropic inflation and primordial fluctuations. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	1.9	3
150	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
151	Axially symmetric domain wall in $2 + 1$ dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 269, 275-278.	1.5	2
152	MODULI SPACE OF CHERN-SIMONS GRAVITY. Modern Physics Letters A, 1991, 06, 303-312.	0.5	2
153	Semiclassical approach to stability of extra-dimensional spaces. Classical and Quantum Gravity, 1997, 14, 257-268.	1.5	2
154	Quasinormal modes of p -forms in spherical black holes. Physical Review D, 2019, 99, .	1.6	2
155	Birth of de Sitter universe from a time crystal universe. Physical Review D, 2019, 100, .	1.6	2
156	Analytic formula for the dynamics around inflation end and implications on primordial gravitational waves. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 033.	1.9	2
157	RENORMALIZATION GROUP FLOW AND OPEN STRING DYNAMICS. Modern Physics Letters A, 1988, 03, 1797-1805.	0.5	1
158	Nonlinear Self-Modulation in Newtonian Gravity. Progress of Theoretical Physics, 1996, 95, 51-63.	2.0	1
159	Cosmological Perturbations in the Brane World. Progress of Theoretical Physics Supplement, 2002, 148, 136-144.	0.2	1
160	Braneworld cosmological perturbation theory at low energy. General Relativity and Gravitation, 2005, 37, 1621-1628.	0.7	1
161	$O(d,d;Z)$ invariant Fierz-Pauli massive gravity. Physical Review D, 2021, 103, .	1.6	1
162	Comment on entropy in two-dimensional dilaton gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 378, 68-77.	1.5	0

#	ARTICLE	IF	CITATIONS
163	Holographic View of Cosmological Perturbations. , 2003, , 201-206.		0
164	A strategy for detecting non-gaussianity of stochastic gravitational waves. , 2022, , .		0
165	Primordial gravitational waves in bouncing universe. , 2022, , .		0