

Thanu Padmanabhan

List of Publications by Year in descending order

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354
papers

17,131
citations

24978

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361
times ranked

3646
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#	ARTICLE	IF	CITATIONS
1	Microscopic origin of Einstein's field equations and the raison d'Être for a positive cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 824, 136828.	1.5	6
2	Eddington gravity with matter: An emergent perspective. <i>Physical Review D</i> , 2021, 103, .	1.6	6
3	Gravitational effective action at mesoscopic scales from the quantum microstructure of spacetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 814, 136109.	1.5	2
4	World-Line Path Integral for the Propagator Expressed as an Ordinary Integral: Concept and Applications. <i>Foundations of Physics</i> , 2021, 51, 1.	0.6	2
5	Thermal nature of a generic null surface. <i>Physical Review D</i> , 2021, 104, .	1.6	4
6	Gravity and quantum theory: Domains of conflict and contact. <i>International Journal of Modern Physics D</i> , 2020, 29, 2030001.	0.9	17
7	Probing the Planck scale: the modification of the time evolution operator due to the quantum structure of spacetime. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	7
8	A class of QFTs with higher derivative field equations leading to standard dispersion relation for the particle excitations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135912.	1.5	5
9	Principle of equivalence at Planck scales, QG in locally inertial frames and the zero-point-length of spacetime. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	0.7	6
10	Planck length: Lost + found. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 809, 135774.	1.5	7
11	Boundary term in the gravitational action is the heat content of the null surfaces. <i>Physical Review D</i> , 2020, 101, .	1.6	8
12	Exploring the Rindler vacuum and the Euclidean plane. <i>Journal of Mathematical Physics</i> , 2020, 61, .	0.5	5
13	Geodesic distance: A descriptor of geometry and correlator of pregeometric density of spacetime events. <i>Modern Physics Letters A</i> , 2020, 35, 2030008.	0.5	3
14	A measure for quantum paths, gravity and spacetime microstructure. <i>International Journal of Modern Physics D</i> , 2019, 28, 1944009.	0.9	1
15	Thermality of the Rindler horizon: A simple derivation from the structure of the inertial propagator. <i>Physical Review D</i> , 2019, 100, .	1.6	7
16	Generalized Schwinger effect and particle production in an expanding universe. <i>Physical Review D</i> , 2019, 100, .	1.6	7
17	Demystifying the constancy of the Ermakovâ€Lewis invariant for a time-dependent oscillator. <i>Modern Physics Letters A</i> , 2018, 33, 1830005.	0.5	21
18	Quantum correlators in Friedmann spacetimes: The omnipresent de Sitter spacetime and the invariant vacuum noise. <i>Physical Review D</i> , 2018, 98, .	1.6	14

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19	A comment on generalized Schwinger effect. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	2
20	The kinetic theory of the mesoscopic spacetime. <i>International Journal of Modern Physics D</i> , 2018, 27, 1846004.	0.9	2
21	Unruh effect for inertial observers through vacuum correlations. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	5
22	Obtaining the non-relativistic quantum mechanics from quantum field theory: issues, folklores and facts. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	13
23	Inverting a normal harmonic oscillator: physical interpretation and applications. <i>General Relativity and Gravitation</i> , 2018, 50, 1.	0.7	14
24	Do we really understand the cosmos?. <i>Comptes Rendus Physique</i> , 2017, 18, 275-291.	0.3	19
25	Entropy of a box of gas in an external gravitational field revisited. <i>Physical Review D</i> , 2017, 96, .	1.6	10
26	Quantum gravity at Hubble scales determines the cosmological constant and the amplitude of primordial perturbations. <i>International Journal of Modern Physics D</i> , 2017, 26, 1743002.	0.9	1
27	A novel derivation of the boundary term for the action in Lanczos's "Lovelock gravity. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	0.7	21
28	The atoms of spacetime and the cosmological constant. <i>Journal of Physics: Conference Series</i> , 2017, 880, 012008.	0.3	14
29	Cosmic information, the cosmological constant and the amplitude of primordial perturbations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 81-85.	1.5	19
30	Atoms of Spacetime and the Nature of Gravity. <i>Journal of Physics: Conference Series</i> , 2016, 701, 012018.	0.3	10
31	Entropy of a generic null surface from its associated Virasoro algebra. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 347-351.	1.5	16
32	Spacetime with zero point length is two-dimensional at the Planck scale. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	0.7	37
33	Information retrieval from black holes. <i>Physical Review D</i> , 2016, 94, .	1.6	16
34	The atoms of space, gravity and the cosmological constant. <i>International Journal of Modern Physics D</i> , 2016, 25, 1630020.	0.9	36
35	A boundary term for the gravitational action with null boundaries. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	0.7	139
36	Extracting Information about the Initial State from the Black Hole Radiation. <i>Physical Review Letters</i> , 2016, 116, 051301.	2.9	16

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37	Quantum Field Theory. Graduate Texts in Physics, 2016, , .	0.1	38
38	Variational principle for gravity with null and non-null boundaries: a unified boundary counter-term. European Physical Journal C, 2016, 76, 1.	1.4	49
39	Momentum density of spacetime and the gravitational dynamics. General Relativity and Gravitation, 2016, 48, 1.	0.7	18
40	Entropy density of spacetime from the zero point length. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 67-69.	1.5	21
41	Indistinguishability of thermal and quantum fluctuations. Classical and Quantum Gravity, 2015, 32, 202001.	1.5	16
42	Thermodynamical interpretation of the geometrical variables associated with null surfaces. Physical Review D, 2015, 92, .	1.6	65
43	Gravitational field equations near an arbitrary null surface expressed as a thermodynamic identity. Journal of High Energy Physics, 2015, 2015, 1.	1.6	29
44	Distribution Function of the Atoms of Spacetime and the Nature of Gravity. Entropy, 2015, 17, 7420-7452.	1.1	28
45	Emergent gravity paradigm: Recent progress. Modern Physics Letters A, 2015, 30, 1540007.	0.5	62
46	Sleeping Beauties in Theoretical Physics. Lecture Notes in Physics, 2015, , .	0.3	9
47	Inertial nonvacuum states viewed from the Rindler frame. Physical Review D, 2015, 91, .	1.6	11
48	A quantum peek inside the black hole event horizon. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
49	Gravity in six elegant steps. International Journal of Modern Physics D, 2015, 24, 1544002.	0.9	0
50	Quantum evolution leading to classicality: a concrete example. General Relativity and Gravitation, 2015, 47, 1.	0.7	4
51	Gravity and is Thermodynamics. Current Science, 2015, 109, 2236.	0.4	17
52	Gravity and is Thermodynamics. Current Science, 2015, 109, 2236.	0.4	9
53	Entropy density of spacetime as a relic from quantum gravity. Physical Review D, 2014, 90, .	1.6	38
54	Evolution of spacetime arises due to the departure from holographic equipartition in all Lanczos-Lovelock theories of gravity. Physical Review D, 2014, 90, .	1.6	37

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55	Publisher's Note: Nonrelativistic limit of quantum field theory in inertial and noninertial frames and the principle of equivalence [Phys. Rev. D84, 085018 (2011)]. Physical Review D, 2014, 90, .	1.6	1
56	Geometrical variables with direct thermodynamic significance in Lanczos-Lovelock gravity. Physical Review D, 2014, 90, .	1.6	34
57	Zero modes and divergence of entanglement entropy. Physical Review D, 2014, 90, .	1.6	14
58	Quantum field theory in the Rindler-Rindler spacetime. Physical Review D, 2014, 89, .	1.6	5
59	A short note on the boundary term for the Hilbert action. Modern Physics Letters A, 2014, 29, 1450037.	0.5	23
60	General relativity from a thermodynamic perspective. General Relativity and Gravitation, 2014, 46, 1.	0.7	112
61	Cosmological constant from the emergent gravity perspective. International Journal of Modern Physics D, 2014, 23, 1430011.	0.9	47
62	Conformal symmetry, Rindler space, and the AdS/CFT correspondence. Physical Review D, 2014, 90, .	1.6	3
63	What drives the time evolution of the spacetime geometry?. International Journal of Modern Physics D, 2014, 23, 1441003.	0.9	1
64	Gravity and Spacetime: An Emergent Perspective. , 2014, , 213-242.		1
65	Evolution of quantum field, particle content, and classicality in the three stage universe. Physical Review D, 2013, 88, .	1.6	13
66	Thermality and heat content of horizons from infinitesimal coordinate transformations. European Physical Journal C, 2013, 73, 1.	1.4	21
67	Quantum field theory in de Sitter and quasi-de Sitter spacetimes revisited. Physical Review D, 2013, 87, .	1.6	23
68	Lanczos-Lovelock models of gravity. Physics Reports, 2013, 531, 115-171.	10.3	162
69	CosMIn: THE SOLUTION TO THE COSMOLOGICAL CONSTANT PROBLEM. International Journal of Modern Physics D, 2013, 22, 1342001.	0.9	42
70	Structure of the gravitational action and its relation with horizon thermodynamics and emergent gravity paradigm. Physical Review D, 2013, 87, .	1.6	50
71	Gravity as an emergent phenomenon: Conceptual aspects. , 2012, , .		2
72	Structural aspect of gravitational dynamics and the emergent perspective of gravity. AIP Conference Proceedings, 2012, , .	0.3	12

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73	Drift, drag and Brownian motion in the Davies-Unruh bath. <i>Physical Review D</i> , 2012, 86, .	1.6	6
74	SECRET LIFE OF THE SPACETIME. <i>International Journal of Modern Physics D</i> , 2012, 21, 1241005.	0.9	0
75	Emergent perspective of gravity and dark energy. <i>Research in Astronomy and Astrophysics</i> , 2012, 12, 891-916.	0.7	68
76	Equipartition energy, Noether energy and boundary term in gravitational action. <i>General Relativity and Gravitation</i> , 2012, 44, 2681-2686.	0.7	15
77	Complex effective path: A semiclassical probe of quantum effects. <i>Physical Review D</i> , 2012, 85, .	1.6	3
78	Action principle for the fluid-gravity correspondence and emergent gravity. <i>Physical Review D</i> , 2012, 85, .	1.6	45
79	Noether current from the surface term of gravitational action, Virasoro algebra, and horizon entropy. <i>Physical Review D</i> , 2012, 86, .	1.6	58
80	Entropy increase during physical processes for black holes in Lanczos-Lovelock gravity. <i>Physical Review D</i> , 2012, 86, .	1.6	28
81	Noether current, horizon Virasoro algebra, and entropy. <i>Physical Review D</i> , 2012, 85, .	1.6	51
82	Two aspects of black hole entropy in Lanczos-Lovelock models of gravity. <i>Physical Review D</i> , 2012, 85, .	1.6	21
83	Dawn of science. <i>Resonance</i> , 2012, 17, 6-10.	0.2	0
84	Dawn of Science. <i>Resonance</i> , 2012, 17, 106-115.	0.2	1
85	Dawn of science. <i>Resonance</i> , 2012, 17, 230-235.	0.2	1
86	Dawn of science. <i>Resonance</i> , 2012, 17, 324-329.	0.2	0
87	Dawn of science. <i>Resonance</i> , 2012, 17, 436-440.	0.2	0
88	Dawn of science. <i>Resonance</i> , 2012, 17, 532-537.	0.2	0
89	Nonrelativistic limit of quantum field theory in inertial and noninertial frames and the principle of equivalence. <i>Physical Review D</i> , 2011, 84, .	1.6	16
90	Ideal gas in a strong gravitational field: Area dependence of entropy. <i>Physical Review D</i> , 2011, 83, .	1.6	27

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91	Entropy density of spacetime and the Navier-Stokes fluid dynamics of null surfaces. Physical Review D, 2011, 83, .	1.6	68
92	THE HYDRODYNAMICS OF ATOMS OF SPACETIME: GRAVITATIONAL FIELD EQUATION IS NAVIER-STOKES EQUATION. International Journal of Modern Physics D, 2011, 20, 2817-2822.	0.9	5
93	Lessons from classical gravity about the quantum structure of spacetime. Journal of Physics: Conference Series, 2011, 306, 012001.	0.3	62
94	What can Classical Gravity tell us about Quantum Structure of Spacetime?. Journal of Physics: Conference Series, 2011, 314, 012001.	0.3	0
95	Structure of Lanczos-Lovelock Lagrangians in critical dimensions. General Relativity and Gravitation, 2011, 43, 1549-1570.	0.7	26
96	Statistical mechanics of gravitating systems ... and some curious history of Chandra's rare misses!. Pramana - Journal of Physics, 2011, 77, 147-156.	0.9	0
97	Dawn of science. Resonance, 2011, 16, 6-11.	0.2	0
98	Dawn of Science. Resonance, 2011, 16, 110-115.	0.2	0
99	Dawn of science. Resonance, 2011, 16, 274-278.	0.2	0
100	Dawn of science. Resonance, 2011, 16, 304-309.	0.2	0
101	Dawn of science. Resonance, 2011, 16, 446-450.	0.2	0
102	Dawn of science. Resonance, 2011, 16, 582-587.	0.2	0
103	Dawn of science. Resonance, 2011, 16, 663-669.	0.2	0
104	Dawn of science. Resonance, 2011, 16, 770-775.	0.2	0
105	Dawn of science. Resonance, 2011, 16, 950-955.	0.2	0
106	Dawn of science. Resonance, 2011, 16, 854-859.	0.2	0
107	Dawn of science. Resonance, 2011, 16, 1039-1043.	0.2	1
108	Reply to "Comment on "Quasinormal modes in Schwarzschild-de Sitter spacetime: A simple derivation of the level spacing of the frequencies" ". Physical Review D, 2011, 83, .	1.6	2

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109	Some aspects of field equations in generalized theories of gravity. Physical Review D, 2011, 84, .	1.6	31
110	Dawn of science. Resonance, 2010, 15, 590-594.	0.2	0
111	Dawn of science. Resonance, 2010, 15, 498-502.	0.2	0
112	Dawn of science. Resonance, 2010, 15, 684-689.	0.2	0
113	Dawn of science. Resonance, 2010, 15, 774-778.	0.2	0
114	Dawn of science. Resonance, 2010, 15, 870-874.	0.2	0
115	Dawn of science. Resonance, 2010, 15, 1009-1015.	0.2	1
116	Dawn of science. Resonance, 2010, 15, 1062-1067.	0.2	0
117	Aspects of electrostatics in a weak gravitational field. General Relativity and Gravitation, 2010, 42, 1153-1181.	0.7	4
118	Why does the universe expand?. General Relativity and Gravitation, 2010, 42, 2743-2750.	0.7	12
119	Response of Unruhâ€™DeWitt detector with time-dependent acceleration. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 201-206.	1.5	31
120	Understanding the origin of CMB constraints on dark energy. Monthly Notices of the Royal Astronomical Society, 2010, , no-no.	1.6	24
121	Emergent gravity and dark energy. , 2010, , 119-148.		2
122	EQUIPARTITION OF MICROSCOPIC DEGREES OF FREEDOM, SPACEâ€™TIME ENTROPY AND HOLOGRAPHY. International Journal of Modern Physics D, 2010, 19, 2275-2280.	0.9	5
123	EQUIPARTITION OF ENERGY IN THE HORIZON DEGREES OF FREEDOM AND THE EMERGENCE OF GRAVITY. Modern Physics Letters A, 2010, 25, 1129-1136.	0.5	235
124	A PHYSICAL INTERPRETATION OF GRAVITATIONAL FIELD EQUATIONS. AIP Conference Proceedings, 2010, , .	0.3	24
125	Thermodynamical aspects of gravity: new insights. Reports on Progress in Physics, 2010, 73, 046901.	8.1	581
126	Holography in action. Physical Review D, 2010, 82, .	1.6	35

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127	Surface density of spacetime degrees of freedom from equipartition law in theories of gravity. Physical Review D, 2010, 81, .	1.6	105
128	Finite entanglement entropy from the zero-point area of spacetime. Physical Review D, 2010, 82, .	1.6	18
129	ENTROPY DENSITY OF SPACE—TIME AND GRAVITY: A CONCEPTUAL SYNTHESIS. International Journal of Modern Physics D, 2009, 18, 2189-2193.	0.9	11
130	Snippets of physics. Resonance, 2009, 14, 8-18.	0.2	1
131	Snippets of physics. Resonance, 2009, 14, 179-190.	0.2	1
132	Snippets of physics. Resonance, 2009, 14, 259-271.	0.2	0
133	Snippets of physics. Resonance, 2009, 14, 318-327.	0.2	0
134	Snippets of physics. Resonance, 2009, 14, 499-507.	0.2	0
135	Snippets of physics. Resonance, 2009, 14, 638-649.	0.2	1
136	Snippets of physics. Resonance, 2009, 14, 622-629.	0.2	2
137	Snippets of physics. Resonance, 2009, 14, 799-806.	0.2	0
138	Snippets of physics. Resonance, 2009, 14, 907-915.	0.2	0
139	Snippets of physics. Resonance, 2009, 14, 934-943.	0.2	0
140	Snippets of physics. Resonance, 2009, 14, 1060-1070.	0.2	1
141	Snippets of physics. Resonance, 2009, 14, 1144-1152.	0.2	1
142	Metal enrichment and reionization constraints on early star formation. Monthly Notices of the Royal Astronomical Society, 2009, 397, 971-978.	1.6	4
143	Path integral duality modified propagators in spacetimes with constant curvature. Physical Review D, 2009, 80, .	1.6	16
144	Thermodynamic structure of Lanczos-Lovelock field equations from near-horizon symmetries. Physical Review D, 2009, 79, .	1.6	68

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145	Radiation from collapsing shells, semiclassical backreaction, and black hole formation. Physical Review D, 2009, 80, .	1.6	34
146	From Galileo to Modern Cosmology: Alternative Paradigms and Science Boundary Conditions. , 2009, , 301-428.		1
147	Dark Energy and Its Implications for Gravity. Advanced Science Letters, 2009, 2, 174-183.	0.2	38
148	Particle creation, classicality and related issues in quantum field theory: I. Formalism and toy models. General Relativity and Gravitation, 2008, 40, 661-708.	0.7	23
149	Particle creation, classicality and related issues in quantum field theory: II. Examples from field theory. General Relativity and Gravitation, 2008, 40, 709-747.	0.7	17
150	Dark energy and gravity. General Relativity and Gravitation, 2008, 40, 529-564.	0.7	303
151	Gravity: the inside story. General Relativity and Gravitation, 2008, 40, 2031-2036.	0.7	29
152	Snippets of physics. Resonance, 2008, 13, 312-318.	0.2	3
153	Snippets of physics. Resonance, 2008, 13, 412-419.	0.2	1
154	Snippets of physics. Resonance, 2008, 13, 941-950.	0.2	0
155	FROM GRAVITONS TO GRAVITY: MYTHS AND REALITY. International Journal of Modern Physics D, 2008, 17, 367-398.	0.9	76
156	Is gravitational entropy quantized?. Physical Review D, 2008, 78, .	1.6	92
157	GRAVITY: THE INSIDE STORY. International Journal of Modern Physics D, 2008, 17, 2585-2591.	0.9	3
158	GRAVITY AS AN EMERGENT PHENOMENON. International Journal of Modern Physics D, 2008, 17, 591-596.	0.9	6
159	Gravity as an emergent phenomenon: A conceptual description. AIP Conference Proceedings, 2007, , .	0.3	31
160	Black Hole Motion as Catalyst of Orbital Resonances. Proceedings of the International Astronomical Union, 2007, 3, 311-315.	0.0	0
161	Entropy of null surfaces and dynamics of spacetime. Physical Review D, 2007, 75, .	1.6	130
162	Thermodynamics of Horizons from a Dual Quantum System. Entropy, 2007, 9, 100-107.	1.1	3

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163	Einstein's equations as a thermodynamic identity: The cases of stationary axisymmetric horizons and evolving spherically symmetric horizons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 652, 338-342.	1.5	133
164	Regular black hole motion and stellar orbital resonances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 383, 1619-1638.	1.6	4
165	Concept of temperature in multi-horizon spacetimes: analysis of Schwarzschildâ€“De Sitter metric. <i>General Relativity and Gravitation</i> , 2007, 39, 1789-1811.	0.7	53
166	WHY DOES GRAVITY IGNORE THE VACUUM ENERGY?. <i>International Journal of Modern Physics D</i> , 2006, 15, 2029-2058.	0.9	25
167	Dark Energy: Mystery of the Millennium. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	103
168	Thermodynamic route to field equations in Lanczos-Lovelock gravity. <i>Physical Review D</i> , 2006, 74, .	1.6	264
169	Holography of gravitational action functionals. <i>Physical Review D</i> , 2006, 74, .	1.6	90
170	Power transfer in non-linear gravitational clustering and asymptotic universality. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 372, L53-L57.	1.2	8
171	Properties of high-redshift quasars â€” I. Evolution of the supermassive black hole to halo mass ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 1029-1036.	1.6	11
172	What does the quasar luminosity function tell us about supermassive black hole evolution?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 1681-1691.	1.6	10
173	Challenges in nonlinear gravitational clustering. <i>Comptes Rendus Physique</i> , 2006, 7, 350-359.	0.3	1
174	Zero-point length from string fluctuations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 627-630.	1.5	56
175	Casimir effect confronts cosmological constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 641, 6-10.	1.5	39
176	Gravityâ€™s immunity from vacuum: the holographic structure of semiclassical action. <i>General Relativity and Gravitation</i> , 2006, 38, 1547-1552.	0.7	13
177	Advanced Topics in Cosmology: A Pedagogical Introduction. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	21
178	GRAVITY: A NEW HOLOGRAPHIC PERSPECTIVE. <i>International Journal of Modern Physics D</i> , 2006, 15, 1659-1675.	0.9	66
179	GRAVITY'S IMMUNITY FROM VACUUM: THE HOLOGRAPHIC STRUCTURE OF SEMICLASSICAL ACTION. <i>International Journal of Modern Physics D</i> , 2006, 15, 2303-2308.	0.9	1
180	<i>WMAP</i> constraints on low redshift evolution of dark energy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005, 356, L11-L16.	1.2	282

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181	Cosmological parameters from supernova observations: A critical comparison of three data sets. <i>Astronomy and Astrophysics</i> , 2005, 429, 807-818.	2.1	217
182	Commission 47: Cosmology. <i>Proceedings of the International Astronomical Union</i> , 2005, 1, 291-298.	0.0	0
183	Gravity and the thermodynamics of horizons. <i>Physics Reports</i> , 2005, 406, 49-125.	10.3	453
184	Gravitational collapse in an expanding universe: scaling relations for two-dimensional collapse revisited. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 360, 546-554.	1.6	2
185	Holographic gravity and the surface term in the Einstein-Hilbert action. <i>Brazilian Journal of Physics</i> , 2005, 35, 362-372.	0.7	69
186	A NEW PERSPECTIVE ON GRAVITY AND DYNAMICS OF SPACE-TIME. <i>International Journal of Modern Physics D</i> , 2005, 14, 2263-2269.	0.9	28
187	UNDERSTANDING OUR UNIVERSE: CURRENT STATUS AND OPEN ISSUES. , 2005, , 175-204.		42
188	Initial state of matter fields and trans-Planckian physics: Can CMB observations disentangle the two?. <i>Physical Review D</i> , 2005, 71, .	1.6	58
189	Vacuum fluctuations of energy density can lead to the observed cosmological constant. <i>Classical and Quantum Gravity</i> , 2005, 22, L107-L112.	1.5	81
190	Observational constraints on low redshift evolution of dark energy: How consistent are different observations?. <i>Physical Review D</i> , 2005, 72, .	1.6	168
191	Entropy of static spacetimes and microscopic density of states. <i>Classical and Quantum Gravity</i> , 2004, 21, 4485-4494.	1.5	192
192	GRAVITY AS ELASTICITY OF SPACETIME: A PARADIGM TO UNDERSTAND HORIZON THERMODYNAMICS AND COSMOLOGICAL CONSTANT. <i>International Journal of Modern Physics D</i> , 2004, 13, 2293-2298.	0.9	42
193	ENTROPY OF HORIZONS, COMPLEX PATHS AND QUANTUM TUNNELLING. <i>Modern Physics Letters A</i> , 2004, 19, 2637-2643.	0.5	54
194	Quasinormal modes in Schwarzschild-de Sitter spacetime: A simple derivation of the level spacing of the frequencies. <i>Physical Review D</i> , 2004, 69, .	1.6	74
195	Quasi-normal modes: a simple derivation of the level spacing of the frequencies. <i>Classical and Quantum Gravity</i> , 2004, 21, L1-L6.	1.5	70
196	Gravity from Spacetime Thermodynamics. <i>Astrophysics and Space Science</i> , 2003, 285, 407-417.	0.5	19
197	Essay: Why Gravity Has No Choice: Bulk Spacetime Dynamics Is Dictated by Information Entanglement Across Horizons. <i>General Relativity and Gravitation</i> , 2003, 35, 2097-2103.	0.7	17
198	Cosmological constant—the weight of the vacuum. <i>Physics Reports</i> , 2003, 380, 235-320.	10.3	2,619

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199	Response of distance measures to the equation of state. Monthly Notices of the Royal Astronomical Society, 2003, 343, 533-538.	1.6	21
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