Matt Visser

List of Publications by Year in descending order

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328	18,166	13099	17105
papers	citations	68 h-index	122 g-index

329	329	329	4379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geodesics for the PainlevÃ©â€“Gullstrand Form of Lenseâ€“Thirring Spacetime. Universe, 2022, 8, 115.	2.5	9
2	Geodesically complete black holes in Lorentz-violating gravity. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
3	The eye of the storm: a regular Kerr black hole. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 011.	5.4	29
4	On the Inner Horizon Instability of Non-Singular Black Holes. Universe, 2022, 8, 204.	2.5	10
5	Astrophysically viable Kerr-like spacetime. Physical Review D, 2022, 105, .	4.7	14
6	Generic warp drives violate the null energy condition. Physical Review D, 2022, 105, .	4.7	20
7	Darboux diagonalization of the spatial 3-metric in Kerr spacetime. General Relativity and Gravitation, 2021, 53, 1.	2.0	10
8	Novel black-bounce spacetimes: Wormholes, regularity, energy conditions, and causal structure. Physical Review D, 2021, 103, .	4.7	80
9	PainlevÃ©â€“Gullstrand form of the Lenseâ€“Thirring Spacetime. Universe, 2021, 7, 105.	2.5	20
10	Lorentz Boosts and Wigner Rotations: Self-Adjoint Complexified Quaternions. Physics, 2021, 3, 352-366.	1.4	1
11	Inner horizon instability and the unstable cores of regular black holes. Journal of High Energy Physics, 2021, 2021, 1.	4.7	43
12	Regularity of a General Class of â€œQuantum Deformedâ€•Black Holes. Universe, 2021, 7, 165.	2.5	12
13	Hawking-Ellis classification of stress-energy tensors: Test fields versus backreaction. Physical Review D, 2021, 103, .	4.7	13
14	Charged black-bounce spacetimes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 036.	5.4	63
15	Tractor Beams, Pressor Beams and Stressor Beams in General Relativity. Universe, 2021, 7, 271.	2.5	6
16	Reconsidering maximum luminosity. International Journal of Modern Physics D, 2021, 30, .	2.1	5
17	Unit-lapse versions of the Kerr spacetime. Classical and Quantum Gravity, 2021, 38, 055001.	4.0	16
18	Photon Spheres, ISCOs, and OSCOs: Astrophysical Observables for Regular Black Holes with Asymptotically Minkowski Cores. Universe, 2021, 7, 2.	2.5	33

#	Article	IF	Citations
19	Explicit Bakerâ€“Campbellâ€“Hausdorffâ€“Dynkin formula for spacetime via geometric algebra. International Journal of Geometric Methods in Modern Physics, 2021, 18, .	2.0	2
20	Counterexamples to the Maximum Force Conjecture. Universe, 2021, 7, 403.	2.5	10
21	Killing Tensor and Carter Constant for PainlevÃ©â€“Gullstrand Form of Lenseâ€“Thirring Spacetime. Universe, 2021, 7, 473.	2.5	19
22	Decomposition of the total stress energy for the generalized Kiselev black hole. Physical Review D, 2020, 101, .	4.7	14
23	The Kiselev black hole is neither perfect fluid, nor is it quintessence. Classical and Quantum Gravity, 2020, 37, 045001.	4.0	55
24	Thin-shell traversable wormhole crafted from a regular black hole with asymptotically Minkowski core. Physical Review D, 2020, 102, .	4.7	26
25	Relativistic Combination of Non-Collinear 3-Velocities Using Quaternions. Universe, 2020, 6, 237.	2.5	4
26	Cosmographic analysis of redshift drift. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 043-043.	5.4	16
27	Dynamic thin-shell black-bounce traversable wormholes. Physical Review D, 2020, 101, .	4.7	55
28	Opening the Pandoraâ€™s box at the core of black holes. Classical and Quantum Gravity, 2020, 37, 145005.	4.0	47
29	Quantum PBR Theorem as a Monty Hall Game. Quantum Reports, 2020, 2, 39-48.	1.3	4
30	The type III stress-energy tensor: ugly duckling of the Hawkingâ€“Ellis classification. Classical and Quantum Gravity, 2020, 37, 015013.	4.0	9
31	Innermost and outermost stable circular orbits in the presence of a positive cosmological constant. Physical Review D, 2020, 101, .	4.7	24
32	Regular Black Holes with Asymptotically Minkowski Cores. Universe, 2020, 6, 8.	2.5	72
33	Geodesically complete black holes. Physical Review D, 2020, 101, .	4.7	73
34	Causal hierarchy in modified gravity. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
35	Evading the trans-Planckian problem with Vaidya spacetimes. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 067-067.	5.4	2
36	Verifying the Firoozbakht, Nicholson, and Farhadian Conjectures up to the 81st Maximal Prime Gap. Mathematics, 2019, 7, 691.	2.2	1

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37	Regularization versus Renormalization: Why Are Casimir Energy Differences So Often Finite?. Particles, 2019, 2, 14-31.	1.7	4
38	Tolman temperature gradients in a gravitational field. European Journal of Physics, 2019, 40, 025604.	0.6	21
39	Electromagnetic analogue space-times, analytically and algebraically. Classical and Quantum Gravity, 2019, 36, 134004.	4.0	1
40	Vaidya spacetimes, black-bounces, and traversable wormholes. Classical and Quantum Gravity, 2019, 36, 145007.	4.0	68
41	Quantum Blockchain Using Entanglement in Time. Quantum Reports, 2019, 1, 3-11.	1.3	57
42	Black-bounce to traversable wormhole. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 042-042.	5.4	169
43	The Pauli sum rules imply BSM physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 43-47.	4.1	3
44	Vorticity in analogue spacetimes. Physical Review D, 2019, 99, .	4.7	10
45	Entropy/information flux in Hawking radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 10-16.	4.1	12
46	Bespoke analogue space-times: meta-material mimics. General Relativity and Gravitation, 2018, 50, 1.	2.0	6
47	The Utterly Prosaic Connection between Physics and Mathematics. Philosophies, 2018, 3, 25.	0.7	0
48	Variants on Andricaâ€™s Conjecture with and without the Riemann Hypothesis. Mathematics, 2018, 6, 289.	2.2	5
49	Greybody Factors for Schwarzschild Black Holes: Path-Ordered Exponentials and Product Integrals. Universe, 2018, 4, 93.	2.5	18
50	Phenomenological aspects of black holes beyond general relativity. Physical Review D, 2018, 98, .	4.7	125
51	Non-perturbative results for the luminosity and area distances. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 040-040.	5.4	3
52	Exponential metric represents a traversable wormhole. Physical Review D, 2018, 98, .	4.7	40
53	Explicit Bakerâ€“Campbellâ€“Hausdorff Expansions. Mathematics, 2018, 6, 135.	2.2	15
54	Perturbative treatment of the luminosity distance. Physical Review D, 2018, 98, .	4.7	1

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55	Gravityâ€™s universality: The physics underlying Tolman temperature gradients. International Journal of Modern Physics D, 2018, 27, 1846001.	2.1	9
56	Tolman-like temperature gradients in stationary spacetimes. Physical Review D, 2018, 98, .	4.7	16
57	Rastall gravity is equivalent to Einstein gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 83-86.	4.1	128
58	Essential core of the Hawkingâ€“Ellis types. Classical and Quantum Gravity, 2018, 35, 125003.	4.0	13
59	Towards a Gordon form of the Kerr spacetime. Classical and Quantum Gravity, 2018, 35, 155004.	4.0	9
60	Primes and the Lambert W function. Mathematics, 2018, 6, 56.	2.2	17
61	Lorentz Invariance and the Zero-Point Stress-Energy Tensor. Particles, 2018, 1, 10.	1.7	20
62	Near-Horizon Geodesics for Astrophysical and Idealised Black Holes: Coordinate Velocity and Coordinate Acceleration. Universe, 2018, 4, 68.	2.5	2
63	On the viability of regular black holes. Journal of High Energy Physics, 2018, 2018, 1.	4.7	104
64	Hawkingâ€“Ellis type III spacetime geometry. Classical and Quantum Gravity, 2018, 35, 185004.	4.0	5
65	Classical and Semi-classical Energy Conditions. Fundamental Theories of Physics, 2017, , 193-213.	0.3	53
66	Generalized Rainich conditions, generalized stressâ€“energy conditions, and the Hawkingâ€“Ellis classification. Classical and Quantum Gravity, 2017, 34, 225014.	4.0	15
67	Multipartite analysis of average-subsystem entropies. Physical Review A, 2017, 96, .	2.5	6
68	Cartesian Kerrâ€“Schild variation on the Newmanâ€“Janis trick. International Journal of Modern Physics D, 2017, 26, 1750167.	2.1	13
69	Quantum mechanix plus Newtonian gravity violates the universality of free fall. International Journal of Modern Physics D, 2017, 26, 1743027.	2.1	1
70	â€œTwistedâ€•black holes are unphysical. Modern Physics Letters A, 2017, 32, 1771001.	1.2	9
71	A novel approach to thin-shell wormholes and applications. , 2017, , .		0
72	Effective metrics and a fully covariant description of constitutive tensors in electrodynamics. Physical Review D, 2017, 96, .	4.7	16

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73	Entropy Budget for Hawking Evaporation. Universe, 2017, 3, 58.	2.5	2
74	Coarse Graining Shannon and von Neumann Entropies. Entropy, 2017, 19, 207.	2.2	10
75	Semi-classical and nonlinear energy conditions. , 2017, , .		7
76	Sparsity of the Hawking flux. , 2017, , .		1
77	Novel stability approach of thin-shell gravastars. , 2017, , .		1
78	Buchert coarse-graining and the classical energy conditions. , 2017, , .		0
79	The Hawking cascade from a black hole is extremely sparse. Classical and Quantum Gravity, 2016, 33, 115003.	4.0	40
80	Reply to comment regarding â€˜special-case closed form of the Bakerâ€“Campbellâ€“Hausdorff formulaâ€™. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 218002.	2.1	1
81	The rigorous bound on the transmission probability for massless scalar field of non-negative-angular-momentum mode emitted from a Myers-Perry black hole. AIP Conference Proceedings, 2016, , .	0.4	1
82	Simplifying the Reinsch algorithm for the Bakerâ€“Campbellâ€“Hausdorff series. Journal of Mathematical Physics, 2016, 57, 023507.	1.1	9
83	Global properties of physically interesting Lorentzian spacetimes. International Journal of Modern Physics D, 2016, 25, 1650106.	2.1	10
84	On burning a lump of coal. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 383-386.	4.1	10
85	Mimicking static anisotropic fluid spheres in general relativity. International Journal of Modern Physics D, 2016, 25, 1650019.	2.1	19
86	INERTIAL FRAMES WITHOUT THE RELATIVITY PRINCIPLE: BREAKING LORENTZ SYMMETRY. , 2015, , .		1
87	Spin zero Hawking radiation for non-zero-angular momentum mode. AIP Conference Proceedings, 2015, , .	0.4	1
88	Thermality of the Hawking flux. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
89	Conformally Friedmannâ€“LemaÃ®treâ€“Robertsonâ€“Walker cosmologies. Classical and Quantum Gravity, 2015, 32, 135007.	4.0	26
90	Special-case closed form of the Bakerâ€“Campbellâ€“Hausdorff formula. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 225207.	2.1	33

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91	MASSIVE GRAVITY AS A LIMIT OF BIMETRIC GRAVITY. , 2015, , .		1
92	Greybody factors for Myersâ€“Perry black holes. Journal of Mathematical Physics, 2014, 55, .	1.1	32
93	Physical observability of horizons. Physical Review D, 2014, 90, .	4.7	59
94	Ray tracing Einstein-Ã†ther black holes: Universal versus Killing horizons. Physical Review D, 2014, 89, .	4.7	52
95	Clausius entropy for arbitrary bifurcate null surfaces. Classical and Quantum Gravity, 2014, 31, 035009.	4.0	8
96	Superradiance and flux conservation. Physical Review D, 2014, 90, .	4.7	4
97	Bounding the greybody factors for scalar field excitations on the Kerr-Newman spacetime. Journal of High Energy Physics, 2014, 2014, 1.	4.7	24
98	Is there vacuum when there is mass? Vacuum and non-vacuum solutions for massive gravity. Classical and Quantum Gravity, 2013, 30, 155021.	4.0	10
99	Area products for stationary black hole horizons. Physical Review D, 2013, 88, .	4.7	63
100	Zipf's law, power laws and maximum entropy. New Journal of Physics, 2013, 15, 043021.	2.9	49
101	Semiclassical energy conditions for quantum vacuum states. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
102	Surface gravities for non-Killing horizons. Classical and Quantum Gravity, 2013, 30, 125001.	4.0	46
103	Bounds on variable-length compound jumps. Journal of Mathematical Physics, 2013, 54, .	1.1	3
104	Massive gravity from bimetric gravity. Classical and Quantum Gravity, 2013, 30, 015004.	4.0	66
105	Regge-Wheeler equation, linear stability, and greybody factors for dirty black holes. Physical Review D, 2013, 88, .	4.7	33
106	Classical and quantum flux energy conditions for quantum vacuum states. Physical Review D, 2013, 88, .	4.7	42
107	Reply to â€˜Comment on â€˜Elementary analysis of the special relativistic combination of velocities, Wigner rotation and Thomas precessionâ€• European Journal of Physics, 2013, 34, L63-L64.	0.6	0
108	Infinite Shannon entropy. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P04010.	2.3	20

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109	Survey of Analogue Spacetimes. Lecture Notes in Physics, 2013, , 31-50.	0.7	17
110	Generic thin-shell gravastars. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 034-034.	5.4	42
111	Modelling gravity on a hyper-cubic lattice. Physical Review D, 2012, 86, .	4.7	1
112	Unruh-DeWitt detector event rate for trajectories with time-dependent acceleration. Physical Review D, 2012, 86, .	4.7	39
113	Generic spherically symmetric dynamic thin-shell traversable wormholes in standard general relativity. Physical Review D, 2012, 86, .	4.7	165
114	Quantum vacuum radiation in optical glass. Physical Review D, 2012, 85, .	4.7	37
115	Inertial frames without the relativity principle. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
116	Gordon and Kerr-Schild ansÃtze in massive and bimetric gravity. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
117	Null Energy Condition violations in bimetric gravity. Journal of High Energy Physics, 2012, 2012, 1.	4.7	44
118	Compound transfer matrices: Constructive and destructive interference. Journal of Mathematical Physics, 2012, 53, .	1.1	6
119	Lorentz violating kinematics: threshold theorems. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
120	Quantization of area for event and Cauchy horizons of the Kerr-Newman black hole. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
121	Realizability of the Lorentzian (n, 1)-simplex. Journal of High Energy Physics, 2012, 2012, 1.	4.7	12
122	THE QUANTUM INTEREST CONJECTURE IN (3+1)-DIMENSIONAL MINKOWSKI SPACE. , 2012, , .		1
123	Minimal conditions for the existence of a Hawking-like flux. Physical Review D, 2011, 83, .	4.7	72
124	Status of HoÅ™ava gravity: A personal perspective. Journal of Physics: Conference Series, 2011, 314, 012002.	0.4	33
125	Entropy bounds for uncollapsed matter. Journal of Physics: Conference Series, 2011, 314, 012035.	0.4	5
126	Quasi-normal frequencies: Semi-analytic results for highly damped modes. Journal of Physics: Conference Series, 2011, 314, 012074.	0.4	2

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127	Analogue Gravity. Living Reviews in Relativity, 2011, 14, 3.	26.7	435
128	Hawking-like radiation from evolving black holes and compact horizonless objects. Journal of High Energy Physics, 2011, 2011, 1.	4.7	63
129	Entropy bounds for uncollapsed rotating bodies. Journal of High Energy Physics, 2011, 2011, 1.	4.7	9
130	Quasi-normal frequencies: key analytic results. Journal of High Energy Physics, 2011, 2011, 1.	4.7	55
131	Conservative entropic forces. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
132	Fixed-topology Lorentzian triangulations: Quantum Regge Calculus in the Lorentzian domain. Journal of High Energy Physics, 2011, 2011, 1.	4.7	14
133	Entropy bounds in terms of the w parameter. Journal of High Energy Physics, 2011, 2011, 1.	4.7	24
134	Bi-metric pseudo-Finslerian spacetimes. Journal of Geometry and Physics, 2011, 61, 1396-1400.	1.4	27
135	The causal structure of spacetime is a parameterized Randers geometry. Classical and Quantum Gravity, 2011, 28, 065007.	4.0	5
136	Any spacetime has a Bianchi type I spacetime as a limit. Classical and Quantum Gravity, 2011, 28, 055007.	4.0	2
137	Spectral Dimension as a Probe of the Ultraviolet Continuum Regime of Causal Dynamical Triangulations. Physical Review Letters, 2011, 107, 131303.	7.8	62
138	Lower-dimensional HoÅ™avaâ€“Lifshitz gravity. Physical Review D, 2011, 83, .	4.7	34
139	Some generalizations of the Raychaudhuri equation. Physical Review D, 2011, 83, .	4.7	23
140	Comment on â€œDetecting Vanishing Dimensions via Primordial Gravitational Wave Astronomyâ€• Physical Review Letters, 2011, 107, 169001; author reply 169002.	7.8	6
141	From dispersion relations to spectral dimensionâ€”and back again. Physical Review D, 2011, 84, .	4.7	49
142	Polarization modes for strong-field gravitational waves. Journal of Physics: Conference Series, 2011, 314, 012073.	0.4	6
143	Elementary analysis of the special relativistic combination of velocities, Wigner rotation and Thomas precession. European Journal of Physics, 2011, 32, 1033-1047.	0.6	34
144	Projectable HoÅ™avaâ€“Lifshitz gravity in a nutshell. Journal of Physics: Conference Series, 2010, 222, 012054.	0.4	55

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145	Semi-analytic results for quasi-normal frequencies. Journal of High Energy Physics, 2010, 2010, 1.	4.7	12
146	Generic master equations for quasi-normal frequencies. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
147	Analytic bounds on transmission probabilities. Annals of Physics, 2010, 325, 1328-1339.	2.8	20
148	Reformulating the SchrÃ¶dinger equation as a Shabatâ€“Zakharov system. Journal of Mathematical Physics, 2010, 51, 022105.	1.1	14
149	Tolman Mass, Generalized Surface Gravity, and Entropy Bounds. Physical Review Letters, 2010, 105, 041302.	7.8	33
150	PSEUDO-FINSLERIAN SPACEâ€“TIMES AND MULTIREFRINGENCE. International Journal of Modern Physics D, 2010, 19, 1119-1146.	2.1	24
151	Acoustic geometry for general relativistic barotropic irrotational fluid flow. New Journal of Physics, 2010, 12, 095014.	2.9	79
152	Signature change events: a challenge for quantum gravity?. Classical and Quantum Gravity, 2010, 27, 045007.	4.0	26
153	General polarization modes for the Rosen gravitational wave. Classical and Quantum Gravity, 2010, 27, 165022.	4.0	7
154	Kodama time: Geometrically preferred foliations of spherically symmetric spacetimes. Physical Review D, 2010, 82, .	4.7	80
155	Highly damped quasinormal frequencies for piecewise Eckart potentials. Physical Review D, 2010, 81, .	4.7	5
156	COSMOGRAPHIC ANALYSIS OF DARK ENERGY. , 2009, , .		2
157	Phenomenologically Viable Lorentz-Violating Quantum Gravity. Physical Review Letters, 2009, 102, 251601.	7.8	226
158	Cosmological particle production in emergent rainbow spacetimes. Classical and Quantum Gravity, 2009, 26, 065012.	4.0	39
159	Transmission probabilities and the Millerâ€“Good transformation. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 045301.	2.1	20
160	Revisiting the semiclassical gravity scenario for gravitational collapse. , 2009, , .		8
161	Quantum gravity without Lorentz invariance. Journal of High Energy Physics, 2009, 2009, 033-033.	4.7	247
162	Progress at a price. Nature Physics, 2009, 5, 385-386.	16.7	1

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163	Black Stars, Not Holes. Scientific American, 2009, 301, 38-45.	1.0	33
164	Quantum interest in (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (c Minkowski space. Physical Review D, 2009, 79, .	4.7	9
165	Explicit form of the Mann-Marolf surface term in (3+1) dimensions. Physical Review D, 2009, 79, .	4.7	3
166	Lorentz symmetry breaking as a quantum field theory regulator. Physical Review D, 2009, 80, .	4.7	206
167	Signature-change events in emergent spacetimes with anisotropic scaling. Journal of Physics: Conference Series, 2009, 189, 012046.	0.4	3
168	Birefringence in pseudoâ€“Finsler spacetimes. Journal of Physics: Conference Series, 2009, 189, 012037.	0.4	21
169	Black holes in general relativity. , 2009, , .		10
170	Small, dark, and heavy: But is it a black hole?. , 2009, , .		20
171	Bounding the Bogoliubov coefficients. Annals of Physics, 2008, 323, 2779-2798.	2.8	36
172	Cosmodynamics: energy conditions, Hubble bounds, density bounds, time and distance bounds. Classical and Quantum Gravity, 2008, 25, 165013.	4.0	22
173	Bounding the greybody factors for Schwarzschild black holes. Physical Review D, 2008, 78, .	4.7	73
174	Fate of gravitational collapse in semiclassical gravity. Physical Review D, 2008, 77, .	4.7	148
175	BUCHDAHL-LIKE TRANSFORMATIONS FOR PERFECT FLUID SPHERES. International Journal of Modern Physics D, 2008, 17, 135-163.	2.1	26
176	Bounding the Hubble flow in terms of the<i>w</i>parameter. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 024.	5.4	2
177	Cosmographic Hubble fits to the supernova data. Physical Review D, 2008, 78, .	4.7	81
178	SOLUTION GENERATING THEOREMS: PERFECT FLUID SPHERES AND THE TOV EQUATION. , 2008, , .		1
179	Analogue spacetimes: toy models for "quantum gravity". , 2008, , .		3
180	GENERALIZED PUISEUX SERIES EXPANSION FOR COSMOLOGICAL MILESTONES. , 2008, , .		0

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181	Analog model of a Friedmann-Robertson-Walker universe in Bose-Einstein condensates: Application of the classical field method. Physical Review A, 2007, 76, .	2.5	87
182	Trans-Planckian physics and signature change events in Bose gas hydrodynamics. Physical Review D, 2007, 76, .	4.7	27
183	Cosmological milestones and energy conditions. Journal of Physics: Conference Series, 2007, 68, 012011.	0.4	16
184	The Hubble series: convergence properties and redshift variables. Classical and Quantum Gravity, 2007, 24, 5985-5997.	4.0	128
185	Analogue Space-time Based on 2-Component Bose-Einstein Condensates. , 2007, , 115-163.		17
186	Solution generating theorems for perfect fluid spheres. Journal of Physics: Conference Series, 2007, 68, 012055.	0.4	9
187	Solution generating theorems for the Tolman-Oppenheimer-Volkov equation. Physical Review D, 2007, 76, .	4.7	34
188	Signature-Change Events, Trans-Planckian Physics and Quasi-Particle Amplification in Bose-Einstein Condensates. , 2007, , .		0
189	Production and decay of evolving horizons. Classical and Quantum Gravity, 2006, 23, 4637-4658.	4.0	113
190	Modelling Planck-scale Lorentz violation via analogue models. Journal of Physics: Conference Series, 2006, 33, 373-385.	0.4	12
191	Understanding the shape of Java software. ACM SIGPLAN Notices, 2006, 41, 397-412.	0.2	39
192	Combining rotation curves and gravitational lensing: how to measure the equation of state of dark matter in the galactic halo. Monthly Notices of the Royal Astronomical Society, 2006, 372, 136-142.	4.4	66
193	Analogue quantum gravity phenomenology from a two-component Boseâ€“Einstein condensate. Classical and Quantum Gravity, 2006, 23, 3129-3154.	4.0	41
194	Analogue model for quantum gravity phenomenology. Journal of Physics A, 2006, 39, 6807-6813.	1.6	19
195	Quasi-particle creation by analogue black holes. Classical and Quantum Gravity, 2006, 23, 5341-5366.	4.0	39
196	Understanding the shape of Java software. , 2006, , .		91
197	Naturalness in an Emergent Analogue Spacetime. Physical Review Letters, 2006, 96, 151301.	7.8	59
198	Hawking-Like Radiation Does Not Require a Trapped Region. Physical Review Letters, 2006, 97, 171301.	7.8	61

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199	Analogue Gravity. Living Reviews in Relativity, 2005, 8, 12.	26.7	753
200	Cosmography: Cosmology without the Einstein equations. General Relativity and Gravitation, 2005, 37, 1541-1548.	2.0	230
201	Vortex analogue for the equatorial geometry of the Kerr black hole. Classical and Quantum Gravity, 2005, 22, 2493-2510.	4.0	47
202	Gravastars must have anisotropic pressures. Classical and Quantum Gravity, 2005, 22, 4189-4202.	4.0	252
203	HEURISTIC APPROACH TO THE SCHWARZSCHILD GEOMETRY. International Journal of Modern Physics D, 2005, 14, 2051-2067.	2.1	22
204	Effective refractive index tensor for weak-field gravity. Classical and Quantum Gravity, 2005, 22, 1905-1915.	4.0	14
205	Necessary and sufficient conditions for big bangs, bounces, crunches, rips, sudden singularities and extremality events. Classical and Quantum Gravity, 2005, 22, 4913-4930.	4.0	139
206	Interpreting doubly special relativity as a modified theory of measurement. Physical Review D, 2005, 71, .	4.7	35
207	Massive Klein-Gordon equation from a Bose-Einstein-condensation-based analogue spacetime. Physical Review D, 2005, 72, .	4.7	36
208	Generating perfect fluid spheres in general relativity. Physical Review D, 2005, 71, .	4.7	67
209	Cosmography: Cosmology without the Einstein equations. , 2005, 37, 1541.		1
210	Fundamental limitations on â€˜warp driveâ€™ spacetimes. Classical and Quantum Gravity, 2004, 21, 5871-5892.	4.0	76
211	Dirty black holes: quasinormal modes for ÂsqueezedÂ horizons. Classical and Quantum Gravity, 2004, 21, 2393-2405.	4.0	43
212	Dirty black holes: Symmetries at stationary nonstatic horizons. Physical Review D, 2004, 70, .	4.7	62
213	Dirty black holes: quasinormal modes. Classical and Quantum Gravity, 2004, 21, 1393-1405.	4.0	57
214	Stable gravastarsâ€”an alternative to black holes?. Classical and Quantum Gravity, 2004, 21, 1135-1151.	4.0	345
215	Causal structure of analogue spacetimes. New Journal of Physics, 2004, 6, 186-186.	2.9	60
216	Quantifying energy condition violations in traversable wormholes. Pramana - Journal of Physics, 2004, 63, 859-864.	1.8	90

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217	Wave equation for sound in fluids with vorticity. Physica D: Nonlinear Phenomena, 2004, 191, 121-136.	2.8	66
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