Donato Bini

List of Publications by Year
in descending order

194	3,790	126907	175258
papers	citations	33 h-index	52 g-index

198	198	198	1292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gravitomagnetic helicity. Physical Review D, 2022, 105, .	4.7	5
2	Momentum recoil in the relativistic two-body problem: Higher-order tails. Physical Review D, 2022, 105, .	4.7	4
3	Multipolar invariants and the eccentricity enhancement function parametrization of gravitational radiation. Physical Review D, 2022, 105, .	4.7	4
4	Static and dynamic Melvin universes. Physical Review D, 2022, 105, .	4.7	3
5	Einstein, Planck and Vera Rubin: Relevant Encounters Between the Cosmological and the Quantum Worlds. Frontiers in Physics, 2021, 8, .	2.1	38
6	Gravitational scattering at the seventh order in G : Nonlocal contribution at the sixth post-Newtonian accuracy. Physical Review D, 2021, 103, .	4.7	28
7	Investigating new forms of gravity-matter couplings in the gravitational field equations. Physical Review D, 2021, 103, .	4.7	1
8	Radiative contributions to gravitational scattering. Physical Review D, 2021, 104, .	4.7	63
9	Frequency domain analysis of the gravitational wave energy loss in hyperbolic encounters. Physical Review D, 2021, 104, .	4.7	14
10	Higher-order tail contributions to the energy and angular momentum fluxes in a two-body scattering process. Physical Review D, 2021, 104, .	4.7	14
11	Sixth post-Newtonian local-in-time dynamics of binary systems. Physical Review D, 2020, 102, .	4.7	83
12	Sixth post-Newtonian nonlocal-in-time dynamics of binary systems. Physical Review D, 2020, 102, .	4.7	72
13	Binary dynamics at the fifth and fifth-and-a-half post-Newtonian orders. Physical Review D, 2020, 102, .	4.7	81
14	Detweilerâ€™s redshift invariant for extended bodies orbiting a Schwarzschild black hole. Physical Review D, 2020, 102, .	4.7	8
15	Comparing effective-one-body Hamiltonians for spin-aligned coalescing binaries. Physical Review D, 2020, 101, .	4.7	25
16	GÃ¶del spacetime, planar geodesics and the MÃ¶bius map. General Relativity and Gravitation, 2020, 52, 1.	2.0	0
17	Scattering of tidally interacting bodies in post-Minkowskian gravity. Physical Review D, 2020, 101, .	4.7	44
18	New solutions of the Ermakovâ€“Pinney equation in curved space-time. General Relativity and Gravitation, 2020, 52, 1.	2.0	1

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19	New gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole: Redshift invariant. Physical Review D, 2019, 100, .	4.7	11
20	New gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole: Gyroscope precession. Physical Review D, 2019, 100, .	4.7	10
21	GÃ¶del spacetime: Planar geodesics and gyroscope precession. Physical Review D, 2019, 100, .	4.7	3
22	Cylindrical gravitational waves: C-energy, super-energy and associated dynamical effects. Classical and Quantum Gravity, 2019, 36, 095012.	4.0	6
23	Black hole geodesic parallel transport and the Marck reduction procedure. Physical Review D, 2019, 99, .	4.7	4
24	Nonlinear-in-spin effects in effective-one-body waveform models of spin-aligned, inspiralling, neutron star binaries. Physical Review D, 2019, 99, .	4.7	56
25	Novel Approach to Binary Dynamics: Application to the Fifth Post-Newtonian Level. Physical Review Letters, 2019, 123, 231104.	7.8	93
26	Analytical determination of the periastron advance in spinning binaries from self-force computations. Physical Review D, 2019, 100, .	4.7	3
27	Scattering of uncharged particles in the field of two extremely charged black holes. General Relativity and Gravitation, 2019, 51, 1.	2.0	4
28	Relative-observer definition of the Simon tensor. Classical and Quantum Gravity, 2018, 35, 105003.	4.0	0
29	Twisted gravitational waves. Physical Review D, 2018, 97, .	4.7	6
30	Gravitational wave effects on astrometric observables. Physical Review D, 2018, 98, .	4.7	1
31	Gravitational self-force corrections to gyroscope precession along circular orbits in the Kerr spacetime. Physical Review D, 2018, 98, .	4.7	20
32	Gravitational self-force corrections to tidal invariants for particles on eccentric orbits in a Schwarzschild spacetime. Physical Review D, 2018, 98, .	4.7	7
33	Gravitational self-force corrections to tidal invariants for spinning particles on circular orbits in a Schwarzschild spacetime. Physical Review D, 2018, 98, .	4.7	5
34	Gravitational self-force corrections to tidal invariants for particles on circular orbits in a Kerr spacetime. Physical Review D, 2018, 98, .	4.7	6
35	On the local isometric embedding of trapped surfaces into three-dimensional Riemannian manifolds. Classical and Quantum Gravity, 2018, 35, 195003.	4.0	1
36	Detweilerâ€™s redshift invariant for spinning particles along circular orbits on a Schwarzschild background. Physical Review D, 2018, 97, .	4.7	11

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37	Spin-orbit precession along eccentric orbits: Improving the knowledge of self-force corrections and of their effective-one-body counterparts. Physical Review D, 2018, 97, .	4.7	19
38	High-energy hyperbolic scattering by neutron stars and black holes. Physical Review D, 2018, 98, .	4.7	5
39	Spinning particles in twisted gravitational wave spacetimes. Physical Review D, 2018, 98, .	4.7	5
40	On the energy content of electromagnetic and gravitational plane waves through super-energy tensors. Classical and Quantum Gravity, 2018, 35, 165006.	4.0	1
41	Gravitational spin-orbit coupling in binary systems at the second post-Minkowskian approximation. Physical Review D, 2018, 98, .	4.7	54
42	Black Hole Perturbations: A Review of Recent Analytical Results. Foundations of Physics, 2018, 48, 1349-1363.	1.3	2
43	Twisted gravitational waves of Petrov type D. Physical Review D, 2018, 98, .	4.7	3
44	Spin-orbit precession along eccentric orbits for extreme mass ratio black hole binaries and its effective-one-body transcription. Physical Review D, 2017, 96, .	4.7	33
45	Anisotropic gravitational collapse and cosmic jets. Physical Review D, 2017, 96, .	4.7	7
46	Position determination and strong field parallax effects for photon emitters in the Schwarzschild spacetime. General Relativity and Gravitation, 2017, 49, 1.	2.0	1
47	Relativistic tidal acceleration of astrophysical jets. Physical Review D, 2017, 95, .	4.7	16
48	Gyroscope precession along general timelike geodesics in a Kerr black hole spacetime. Physical Review D, 2017, 95, .	4.7	11
49	Hyperbolic-like elastic scattering of spinning particles by a Schwarzschild black hole. General Relativity and Gravitation, 2017, 49, 1.	2.0	8
50	Deviation and precession effects in the field of a weak gravitational wave. Physical Review D, 2017, 95, .	4.7	12
51	Hyperbolic scattering of spinning particles by a Kerr black hole. Physical Review D, 2017, 96, .	4.7	23
52	Gravitational spin-orbit coupling in binary systems, post-Minkowskian approximation, and effective one-body theory. Physical Review D, 2017, 96, .	4.7	53
53	Gravitational scattering of two black holes at the fourth post-Newtonian approximation. Physical Review D, 2017, 96, .	4.7	53
54	High-Order Post-Newtonian Contributions to Gravitational Self-force Effects in Black Hole Spacetimes. Springer INdAM Series, 2017, , 25-77.	0.5	0

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55	Relativistic gravity gradiometry. Physical Review D, 2016, 94, .	4.7	10
56	Gyroscope precession along unbound equatorial plane orbits around a Kerr black hole. Physical Review D, 2016, 94, .	4.7	7
57	Schwarzschild black hole embedded in a dust field: scattering of particles and drag force effects. Classical and Quantum Gravity, 2016, 33, 125024.	4.0	3
58	Nonlocal gravity: Conformally flat spacetimes. International Journal of Geometric Methods in Modern Physics, 2016, 13, 1650081.	2.0	22
59	Gyroscope precession along bound equatorial plane orbits around a Kerr black hole. Physical Review D, 2016, 94, .	4.7	13
60	Late-time evolution of cosmological models with fluids obeying a Shan-Chen-like equation of state. Physical Review D, 2016, 93, .	4.7	4
61	Confirming and improving post-Newtonian and effective-one-body results from self-force computations along eccentric orbits around a Schwarzschild black hole. Physical Review D, 2016, 93, .	4.7	45
62	Conservative second-order gravitational self-force on circular orbits and the effective one-body formalism. Physical Review D, 2016, 93, .	4.7	20
63	High post-Newtonian order gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole. Physical Review D, 2016, 93, .	4.7	27
64	Scattering by a Schwarzschild black hole of particles undergoing drag force effects. General Relativity and Gravitation, 2016, 48, 1.	2.0	3
65	New gravitational self-force analytical results for eccentric orbits around a Schwarzschild black hole. Physical Review D, 2016, 93, .	4.7	37
66	Tidal invariants along the worldline of an extended body in Kerr spacetime. Physical Review D, 2015, 91, .	4.7	8
67	WeitzenbÃ¶ckâ€™s torsion, Fermi coordinates, and adapted frames. Physical Review D, 2015, 91, .	4.7	18
68	Effect of an arbitrary spin orientation on the quadrupolar structure of an extended body in a Schwarzschild spacetime. Physical Review D, 2015, 91, .	4.7	6
69	Dynamics of extended bodies in a Kerr spacetime with spin-induced quadrupole tensor. Physical Review D, 2015, 92, .	4.7	17
70	Spin-dependent two-body interactions from gravitational self-force computations. Physical Review D, 2015, 92, .	4.7	27
71	Massless Dirac particles in the vacuum C -metric. Classical and Quantum Gravity, 2015, 32, 215010.	4.0	5
72	Detweilerâ€™s gauge-invariant redshift variable: Analytic determination of the nine and nine-and-a-half post-Newtonian self-force contributions. Physical Review D, 2015, 91, .	4.7	36

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73	Radiation drag in the field of a non-spherical source. Monthly Notices of the Royal Astronomical Society, 2015, 446, 65-74.	4.4	8
74	Analytic determination of high-order post-Newtonian self-force contributions to gravitational spin precession. Physical Review D, 2015, 91, .	4.7	36
75	Slicing black hole spacetimes. International Journal of Geometric Methods in Modern Physics, 2015, 12, 1550070.	2.0	2
76	Chronology protection in the Kerr metric. General Relativity and Gravitation, 2015, 47, 1.	2.0	0
77	Orbital effects due to gravitational induction. General Relativity and Gravitation, 2015, 47, 1.	2.0	1
78	Gravitational self-force corrections to two-body tidal interactions and the effective one-body formalism. Physical Review D, 2014, 90, .	4.7	90
79	Observer-dependent optical properties of stationary axisymmetric spacetimes. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450024.	2.0	1
80	Analytic determination of the eight-and-a-half post-Newtonian self-force contributions to the two-body gravitational interaction potential. Physical Review D, 2014, 89, .	4.7	40
81	Deviation of quadrupolar bodies from geodesic motion in a Kerr spacetime. Physical Review D, 2014, 89, .	4.7	25
82	Perturbative evaluation of the scalar two-point function in the cosmic microwave background power spectrum. Physical Review D, 2014, 89, .	4.7	8
83	High-order post-Newtonian contributions to the two-body gravitational interaction potential from analytical gravitational self-force calculations. Physical Review D, 2014, 89, .	4.7	75
84	What can we extract from quasiperiodic oscillations?. Gravitation and Cosmology, 2014, 20, 233-239.	1.1	11
85	Two-body gravitational spin-orbit interaction at linear order in the mass ratio. Physical Review D, 2014, 90, .	4.7	69
86	Particle dynamics and deviation effects in the field of a strong electromagnetic wave. Physical Review D, 2014, 89, .	4.7	2
87	Observers, Observables and Measurements in General Relativity. , 2014, , 67-90.		0
88	Extended bodies in a Kerr spacetime: exploring the role of a general quadrupole tensor. Classical and Quantum Gravity, 2014, 31, 075024.	4.0	13
89	Refraction index analysis of light propagation in a colliding gravitational wave spacetime. General Relativity and Gravitation, 2014, 46, 1.	2.0	8
90	Peculiar velocities in dynamic spacetimes. Physical Review D, 2014, 90, .	4.7	10

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91	Scalar field inflation and Shan-Chen fluid models. Physical Review D, 2014, 90, .	4.7	4
92	Dark energy from cosmological fluids obeying a Shan-Chen nonideal equation of state. Physical Review D, 2013, 88, .	4.7	11
93	Effects of friction forces on the motion of objects in smoothly matched interior/exterior spacetimes. Classical and Quantum Gravity, 2013, 30, 025009.	4.0	3
94	Dynamics of quadrupolar bodies in a Schwarzschild spacetime. Physical Review D, 2013, 87, .	4.7	19
95	The Erezâ€“Rosen metric and the role of the quadrupole on light propagation. Classical and Quantum Gravity, 2013, 30, 045009.	4.0	9
96	Friction forces in cosmological models. European Physical Journal C, 2013, 73, 1.	3.9	6
97	Light scattering by radiation fields: The optical medium analogy. Europhysics Letters, 2013, 102, 20006.	2.0	7
98	Analytical determination of the two-body gravitational interaction potential at the fourth post-Newtonian approximation. Physical Review D, 2013, 87, .	4.7	123
99	On the modification of the cosmic microwave background anisotropy spectrum from canonical quantum gravity. Physical Review D, 2013, 87, .	4.7	46
100	On the occurrence of Closed Timelike Curves and the observerâ€™s point of view. EPJ Web of Conferences, 2013, 58, 01002.	0.3	1
101	Observer-dependent tidal indicators in the Kerr spacetime. Classical and Quantum Gravity, 2012, 29, 055005.	4.0	4
102	The signal from an emitting source moving in a Schwarzschild spacetime under the influence of a radiation field. Classical and Quantum Gravity, 2012, 29, 065014.	4.0	4
103	Radiation pressure vs. friction effects in the description of the Poynting-Robertson scattering process. Europhysics Letters, 2012, 97, 40007.	2.0	4
104	Gravitational radiation reaction along general orbits in the effective one-body formalism. Physical Review D, 2012, 86, .	4.7	86
105	EQUILIBRIUM ORBITS OF PARTICLES UNDERGOING POYNTING-ROBERTSON EFFECT IN SCHWARZSCHILD SPACETIME. International Journal of Modern Physics Conference Series, 2012, 12, 247-255.	0.7	0
106	Particle motion in a photon gas: friction matters. General Relativity and Gravitation, 2012, 44, 2669-2680.	2.0	7
107	Effective action approach to higher-order relativistic tidal interactions in binary systems and their effective one body description. Physical Review D, 2012, 85, .	4.7	129
108	Particle scattering by a test fluid on a Schwarzschild spacetime: the equation of state matters. European Physical Journal C, 2012, 72, 1.	3.9	4

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109	Tidal indicators in the spacetime of a rotating deformed mass. Classical and Quantum Gravity, 2012, 29, 145003.	4.0	13
110	de Sitter spacetime: effects of metric perturbations on geodesic motion. General Relativity and Gravitation, 2012, 44, 467-490.	2.0	5
111	Separable geodesic action slicing in stationary spacetimes. General Relativity and Gravitation, 2012, 44, 603-621.	2.0	10
112	GENERAL RELATIVITY WITHOUT GENERAL RELATIVITY: SELF-GRAVITATING SYSTEMS AND EFFECTIVE GEOMETRIES. , 2012, , .		0
113	Spin-geodesic deviations in the Schwarzschild spacetime. General Relativity and Gravitation, 2011, 43, 959-975.	2.0	19
114	Fermi coordinates in Schwarzschild spacetime: closed form expressions. General Relativity and Gravitation, 2011, 43, 1837-1853.	2.0	8
115	Effect of radiation flux on test-particle motion in the Vaidya spacetime. Classical and Quantum Gravity, 2011, 28, 245019.	4.0	10
116	Electromagnetic waves in gravitational wave spacetimes. Classical and Quantum Gravity, 2011, 28, 235007.	4.0	5
117	The general relativistic Poyntingâ€“Robertson effect: II. A photon flux with nonzero angular momentum. Classical and Quantum Gravity, 2011, 28, 035008.	4.0	30
118	Accelerated orbits in black hole fields: the static case. Classical and Quantum Gravity, 2011, 28, 225012.	4.0	1
119	Solution of Maxwellâ€™s equations on a de Sitter background. General Relativity and Gravitation, 2010, 42, 51-61.	2.0	2
120	THE KERRâ€“SCHILD ANSATZ REVISED. International Journal of Geometric Methods in Modern Physics, 2010, 07, 693-703.	2.0	9
121	Spinning bodies and the Poyntingâ€“Robertson effect in the Schwarzschild spacetime. Classical and Quantum Gravity, 2010, 27, 185014.	4.0	5
122	On Spiral Waves Arising in Natural Systems. Communications in Computational Physics, 2010, 8, 610-622.	1.7	24
123	On the lqlq electric Meissner effect'' in the field of a Reissner-Nordstr. Journal of the Korean Physical Society, 2010, 56, 1594-1597.	0.7	1
124	Electrocardiogram of the Mixmaster universe. Classical and Quantum Gravity, 2009, 26, 025012.	4.0	2
125	The general relativistic Poyntingâ€“Robertson effect. Classical and Quantum Gravity, 2009, 26, 055009.	4.0	51
126	Dixonâ€™s extended bodies and weak gravitational waves. General Relativity and Gravitation, 2009, 41, 105-116.	2.0	11

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127	Extended bodies with quadrupole moment interacting with gravitational monopoles: reciprocity relations. General Relativity and Gravitation, 2009, 41, 2781-2795.	2.0	2
128	On vortices heating biological excitable media. Chaos, Solitons and Fractals, 2009, 42, 2057-2066.	5.1	11
129	Generalized Kerr spacetime with an arbitrary mass quadrupole moment: geometric properties versus particle motion. Classical and Quantum Gravity, 2009, 26, 225006.	4.0	25
130	Physical frames along circular orbits in stationary axisymmetric spacetimes. General Relativity and Gravitation, 2008, 40, 985-1012.	2.0	5
131	Spinâ€“rotation couplings: spinning test particles and Dirac field. General Relativity and Gravitation, 2008, 40, 1145-1177.	2.0	20
132	Dixon's extended bodies and impulsive gravitational waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6221-6225.	2.1	6
133	Quadrupole effects on the motion of extended bodies in Kerr spacetime. Classical and Quantum Gravity, 2008, 25, 125007.	4.0	15
134	Analogy between capillary motion and Friedmann-Robertson-Walker cosmology. Europhysics Letters, 2008, 82, 34003.	2.0	8
135	Emission versus Fermi coordinates: applications to relativistic positioning systems. Classical and Quantum Gravity, 2008, 25, 205011.	4.0	23
136	ON THE LINEARIZATION OF THE BELINSKI-ALEKSEEV EXACT SOLUTION FOR TWO CHARGED MASSES IN EQUILIBRIUM. International Journal of Modern Physics A, 2008, 23, 1226-1230.	1.5	2
137	GRAVITATIONAL WAVES ABOUT CURVED BACKGROUNDS: A CONSISTENCY ANALYSIS IN DE SITTER SPACETIME. International Journal of Geometric Methods in Modern Physics, 2008, 05, 1069-1083.	2.0	2
138	Quadrupole effects on the motion of extended bodies in Schwarzschild spacetime. Classical and Quantum Gravity, 2008, 25, 035005.	4.0	11
139	Gravitational induction. Classical and Quantum Gravity, 2008, 25, 225014.	4.0	25
140	Strains and Jets in black hole fields. EAS Publications Series, 2008, 30, 111-117.	0.3	0
141	CIRCULAR MOTION IN ACCELERATING BLACK HOLE SPACEâ€“TIMES. International Journal of Modern Physics D, 2007, 16, 1813-1828.	2.1	4
142	The speciality index and the Lifshitzâ€“Khalatnikov Kasner index parametrization. Classical and Quantum Gravity, 2007, 24, 5627-5636.	4.0	7
143	On the equilibrium of a charged massive particle in the field of a Reissnerâ€“NordstrÃ¶m black hole. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 360, 515-517.	2.1	15
144	Strains in general relativity. Classical and Quantum Gravity, 2006, 23, 7603-7626.	4.0	12

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145	Frenetâ€“Serret formalism for null world lines. Classical and Quantum Gravity, 2006, 23, 3963-3981.	4.0	10
146	Spin precession along circular orbits in the Kerr spacetime: the Frenetâ€“Serret description. Classical and Quantum Gravity, 2006, 23, 3287-3304.	4.0	20
147	MASSLESS SPINNING TEST PARTICLES IN ALGEBRAICALLY SPECIAL VACUUM SPACEâ€“TIMES. International Journal of Modern Physics D, 2006, 15, 737-758.	2.1	14
148	Periastron shift in Weyl class spacetimes. General Relativity and Gravitation, 2005, 37, 1263-1276.	2.0	10
149	Kerr metric, static observers and Fermi coordinates. Classical and Quantum Gravity, 2005, 22, 4729-4742.	4.0	20
150	C metric: the equatorial plane and Fermi coordinates. Classical and Quantum Gravity, 2005, 22, 5157-5168.	4.0	5
151	The speciality index as invariant indicator in the BKL mixmaster dynamics. Classical and Quantum Gravity, 2005, 22, 1763-1768.	4.0	9
152	Spinning test particles in Weyl spacetimes. Journal of Physics A, 2005, 38, 1163-1186.	1.6	4
153	CHARGED SPINNING PARTICLES ON CIRCULAR ORBITS IN THE REISSNERâ€“NORDSTRÃ–M SPACEâ€“TIME. International Journal of Modern Physics D, 2005, 14, 1793-1811.	2.1	13
154	LIMITATIONS OF RADAR COORDINATES. International Journal of Modern Physics D, 2005, 14, 1413-1429.	2.1	16
155	Spin precession in the Schwarzschild spacetime: circular orbits. Classical and Quantum Gravity, 2005, 22, 2947-2970.	4.0	22
156	Spinning particles in the vacuum C metric. Classical and Quantum Gravity, 2005, 22, 709-722.	4.0	10
157	Algebraically special frequencies of NUT black holes. Classical and Quantum Gravity, 2004, 21, 4523-4529.	4.0	1
158	Spinning test particles and clock effect in Kerr spacetime. Classical and Quantum Gravity, 2004, 21, 5441-5456.	4.0	38
159	The Simon and Simonâ€“Mars tensors for stationary Einsteinâ€“Maxwell fields. Classical and Quantum Gravity, 2004, 21, 1987-1998.	4.0	7
160	Spinning test particles and clock effect in Schwarzschild spacetime. Classical and Quantum Gravity, 2004, 21, 5427-5439.	4.0	28
161	SUPERPOSITION OF WEYL SOLUTIONS: CIRCULAR ORBITS. International Journal of Modern Physics D, 2004, 13, 983-1003.	2.1	3
162	GEOMETRIC TRANSPORT ALONG CIRCULAR ORBITS IN STATIONARY AXISYMMETRIC SPACETIMES. International Journal of Modern Physics D, 2004, 13, 1771-1803.	2.1	4

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163	Petrov classification of perturbed spacetimes: the Kasner example. Classical and Quantum Gravity, 2004, 21, 4833-4843.	4.0	16
164	Spin, acceleration and gravity. Classical and Quantum Gravity, 2004, 21, 3893-3908.	4.0	26
165	The Origins of Causality Violations in Force-free Simulations of Black Hole Magnetospheres. Astrophysical Journal, 2004, 601, L135-L138.	4.5	5
166	Inertial Forces: The Special Relativistic Assessment. , 2004, , 221-239.		2
167	Equatorial Plane Circular Orbits in the Taub-NUT Spacetime. General Relativity and Gravitation, 2003, 35, 2249-2260.	2.0	4
168	Gravitomagnetism in the KerrÂNewmanÂTaubÂNUT spacetime. Classical and Quantum Gravity, 2003, 20, 457-468.	4.0	50
169	NEUTRINO CURRENT IN A GRAVITATIONAL PLANE WAVE COLLISION BACKGROUND. International Journal of Modern Physics D, 2003, 12, 1983-2000.	2.1	0
170	DE RHAM WAVE EQUATION FOR TENSOR VALUED p-FORMS. International Journal of Modern Physics D, 2003, 12, 1363-1384.	2.1	16
171	Orbiting frames and satellite attitudes in relativistic astrometry. Classical and Quantum Gravity, 2003, 20, 4695-4706.	4.0	27
172	Test particle motion in a gravitational plane wave collision background. Classical and Quantum Gravity, 2003, 20, 341-350.	4.0	3
173	Ray tracing in relativistic astrometry: the boundary value problem. Classical and Quantum Gravity, 2003, 20, 2251-2259.	4.0	7
174	PETROV TYPES AND SPECIAL REFERENCE FRAMES. International Journal of Modern Physics D, 2002, 11, 223-236.	2.1	1
175	ELECTROMAGNETIC-LIKE BOOST TRANSFORMATIONS OF WEYL AND MINIMAL SUPER-ENERGY OBSERVERS IN BLACK HOLE SPACETIMES. International Journal of Modern Physics D, 2002, 11, 1439-1450.	2.1	11
176	On the interaction of massless fields with a gravitomagnetic monopole. Classical and Quantum Gravity, 2002, 19, 5265-5272.	4.0	8
177	Circular holonomy in the TaubÂNUT spacetime. Classical and Quantum Gravity, 2002, 19, 5481-5488.	4.0	20
178	Circular holonomy and clock effects in stationary axisymmetric spacetimes. Classical and Quantum Gravity, 2002, 19, 17-37.	4.0	24
179	SECOND ORDER SCALAR INVARIANTS OF THE RIEMANN TENSOR: APPLICATIONS TO BLACK HOLE SPACETIMES. International Journal of Modern Physics D, 2002, 11, 827-841.	2.1	90
180	GRAVITOELECTROMAGNETISM AND THE INTEGRAL FORMULATION OF MAXWELL'S EQUATIONS. International Journal of Modern Physics D, 2001, 10, 633-647.	2.1	5

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181	The Cotton, Simonâ€“Mars and Cottonâ€“York tensors in stationary spacetimes. Classical and Quantum Gravity, 2001, 18, 4969-4981.	4.0	34
182	Gravitational waves, gyroscopes and frame dragging. Classical and Quantum Gravity, 2001, 18, 2945-2958.	4.0	17
183	Gravitomagnetism and relative observer clock effects. Classical and Quantum Gravity, 2001, 18, 653-670.	4.0	33
184	Gyroscopes and gravitational waves. Classical and Quantum Gravity, 2000, 17, 4627-4635.	4.0	9
185	Circular orbits in Kerr spacetime: equatorial plane embedding diagrams. Classical and Quantum Gravity, 2000, 17, 1637-1647.	4.0	5
186	Spinning test particles in general relativity: Nongeodesic motion in the Reissner-NordstrÃ¶m spacetime. Physical Review D, 2000, 61, .	4.7	19
187	Geometric interpretation of the Frenet-Serret frame description of circular orbits in stationary axisymmetric spacetimes. Classical and Quantum Gravity, 1999, 16, 1333-1348.	4.0	19
188	Absolute and relative Frenet-Serret frames and Fermi-Walker transport. Classical and Quantum Gravity, 1999, 16, 2105-2124.	4.0	44
189	The Intrinsic Derivative and Centrifugal Forces in General Relativity: I.. International Journal of Modern Physics D, 1997, 06, 1-38.	2.1	63
190	The Intrinsic Derivative and Centrifugal Forces in General Relativity: II. Applications to Circular Orbits in Some Familiar Stationary Axisymmetric Spacetimes. International Journal of Modern Physics D, 1997, 06, 143-198.	2.1	72
191	Relative observer kinematics in general relativity. Classical and Quantum Gravity, 1995, 12, 2549-2563.	4.0	22
192	SCATTERING OF DIRAC PARTICLES BY GRAVITATIONAL PLANE WAVES. International Journal of Modern Physics D, 1995, 04, 291-304.	2.1	4
193	Thomas precession in post-Newtonian gravitoelectromagnetism. Physical Review D, 1994, 49, 2820-2827.	4.7	11
194	The many faces of gravitoelectromagnetism. Annals of Physics, 1992, 215, 1-50.	2.8	202