

# Donato Bini

## List of Publications by Year in descending order

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194  
papers

3,790  
citations

126907

33  
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175258

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198  
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198  
docs citations

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times ranked

1292  
citing authors

#	ARTICLE	IF	CITATIONS
1	The many faces of gravitoelectromagnetism. <i>Annals of Physics</i> , 1992, 215, 1-50.	2.8	202
2	Effective action approach to higher-order relativistic tidal interactions in binary systems and their effective one body description. <i>Physical Review D</i> , 2012, 85, .	4.7	129
3	Analytical determination of the two-body gravitational interaction potential at the fourth post-Newtonian approximation. <i>Physical Review D</i> , 2013, 87, .	4.7	123
4	Novel Approach to Binary Dynamics: Application to the Fifth Post-Newtonian Level. <i>Physical Review Letters</i> , 2019, 123, 231104.	7.8	93
5	SECOND ORDER SCALAR INVARIANTS OF THE RIEMANN TENSOR: APPLICATIONS TO BLACK HOLE SPACETIMES. <i>International Journal of Modern Physics D</i> , 2002, 11, 827-841.	2.1	90
6	Gravitational self-force corrections to two-body tidal interactions and the effective one-body formalism. <i>Physical Review D</i> , 2014, 90, .	4.7	90
7	Gravitational radiation reaction along general orbits in the effective one-body formalism. <i>Physical Review D</i> , 2012, 86, .	4.7	86
8	Sixth post-Newtonian local-in-time dynamics of binary systems. <i>Physical Review D</i> , 2020, 102, .	4.7	83
9	Binary dynamics at the fifth and fifth-and-a-half post-Newtonian orders. <i>Physical Review D</i> , 2020, 102, .	4.7	81
10	High-order post-Newtonian contributions to the two-body gravitational interaction potential from analytical gravitational self-force calculations. <i>Physical Review D</i> , 2014, 89, .	4.7	75
11	The Intrinsic Derivative and Centrifugal Forces in General Relativity: II. Applications to Circular Orbits in Some Familiar Stationary Axisymmetric Spacetimes. <i>International Journal of Modern Physics D</i> , 1997, 06, 143-198.	2.1	72
12	Sixth post-Newtonian nonlocal-in-time dynamics of binary systems. <i>Physical Review D</i> , 2020, 102, .	4.7	72
13	Two-body gravitational spin-orbit interaction at linear order in the mass ratio. <i>Physical Review D</i> , 2014, 90, .	4.7	69
14	The Intrinsic Derivative and Centrifugal Forces in General Relativity: I.. <i>International Journal of Modern Physics D</i> , 1997, 06, 1-38.	2.1	63
15	Radiative contributions to gravitational scattering. <i>Physical Review D</i> , 2021, 104, .	4.7	63
16	Nonlinear-in-spin effects in effective-one-body waveform models of spin-aligned, inspiralling, neutron star binaries. <i>Physical Review D</i> , 2019, 99, .	4.7	56
17	Gravitational spin-orbit coupling in binary systems at the second post-Minkowskian approximation. <i>Physical Review D</i> , 2018, 98, .	4.7	54
18	Gravitational spin-orbit coupling in binary systems, post-Minkowskian approximation, and effective one-body theory. <i>Physical Review D</i> , 2017, 96, .	4.7	53

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19	Gravitational scattering of two black holes at the fourth post-Newtonian approximation. <i>Physical Review D</i> , 2017, 96, .	4.7	53
20	The general relativistic Poynting–Robertson effect. <i>Classical and Quantum Gravity</i> , 2009, 26, 055009.	4.0	51
21	Gravitomagnetism in the Kerr–Newman–Taub–NUT spacetime. <i>Classical and Quantum Gravity</i> , 2003, 20, 457-468.	4.0	50
22	On the modification of the cosmic microwave background anisotropy spectrum from canonical quantum gravity. <i>Physical Review D</i> , 2013, 87, .	4.7	46
23	Confirming and improving post-Newtonian and effective-one-body results from self-force computations along eccentric orbits around a Schwarzschild black hole. <i>Physical Review D</i> , 2016, 93, .	4.7	45
24	Absolute and relative Frenet-Serret frames and Fermi-Walker transport. <i>Classical and Quantum Gravity</i> , 1999, 16, 2105-2124.	4.0	44
25	Scattering of tidally interacting bodies in post-Minkowskian gravity. <i>Physical Review D</i> , 2020, 101, .	4.7	44
26	Analytic determination of the eight-and-a-half post-Newtonian self-force contributions to the two-body gravitational interaction potential. <i>Physical Review D</i> , 2014, 89, .	4.7	40
27	Spinning test particles and clock effect in Kerr spacetime. <i>Classical and Quantum Gravity</i> , 2004, 21, 5441-5456.	4.0	38
28	Einstein, Planck and Vera Rubin: Relevant Encounters Between the Cosmological and the Quantum Worlds. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	38
29	New gravitational self-force analytical results for eccentric orbits around a Schwarzschild black hole. <i>Physical Review D</i> , 2016, 93, .	4.7	37
30	Detweiler’s gauge-invariant redshift variable: Analytic determination of the nine and nine-and-a-half post-Newtonian self-force contributions. <i>Physical Review D</i> , 2015, 91, .	4.7	36
31	Analytic determination of high-order post-Newtonian self-force contributions to gravitational spin precession. <i>Physical Review D</i> , 2015, 91, .	4.7	36
32	The Cotton, Simon–Mars and Cotton–York tensors in stationary spacetimes. <i>Classical and Quantum Gravity</i> , 2001, 18, 4969-4981.	4.0	34
33	Gravitomagnetism and relative observer clock effects. <i>Classical and Quantum Gravity</i> , 2001, 18, 653-670.	4.0	33
34	Spin-orbit precession along eccentric orbits for extreme mass ratio black hole binaries and its effective-one-body transcription. <i>Physical Review D</i> , 2017, 96, .	4.7	33
35	The general relativistic Poynting–Robertson effect: II. A photon flux with nonzero angular momentum. <i>Classical and Quantum Gravity</i> , 2011, 28, 035008.	4.0	30
36	Spinning test particles and clock effect in Schwarzschild spacetime. <i>Classical and Quantum Gravity</i> , 2004, 21, 5427-5439.	4.0	28

#	ARTICLE	IF	CITATIONS
37	Gravitational scattering at the seventh order in $G$ : Nonlocal contribution at the sixth post-Newtonian accuracy. <i>Physical Review D</i> , 2021, 103, .	4.7	28
38	Orbiting frames and satellite attitudes in relativistic astrometry. <i>Classical and Quantum Gravity</i> , 2003, 20, 4695-4706.	4.0	27
39	Spin-dependent two-body interactions from gravitational self-force computations. <i>Physical Review D</i> , 2015, 92, .	4.7	27
40	High post-Newtonian order gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole. <i>Physical Review D</i> , 2016, 93, .	4.7	27
41	Spin, acceleration and gravity. <i>Classical and Quantum Gravity</i> , 2004, 21, 3893-3908.	4.0	26
42	Gravitational induction. <i>Classical and Quantum Gravity</i> , 2008, 25, 225014.	4.0	25
43	Generalized Kerr spacetime with an arbitrary mass quadrupole moment: geometric properties versus particle motion. <i>Classical and Quantum Gravity</i> , 2009, 26, 225006.	4.0	25
44	Deviation of quadrupolar bodies from geodesic motion in a Kerr spacetime. <i>Physical Review D</i> , 2014, 89, .	4.7	25
45	Comparing effective-one-body Hamiltonians for spin-aligned coalescing binaries. <i>Physical Review D</i> , 2020, 101, .	4.7	25
46	Circular holonomy and clock effects in stationary axisymmetric spacetimes. <i>Classical and Quantum Gravity</i> , 2002, 19, 17-37.	4.0	24
47	On Spiral Waves Arising in Natural Systems. <i>Communications in Computational Physics</i> , 2010, 8, 610-622.	1.7	24
48	Emission versus Fermi coordinates: applications to relativistic positioning systems. <i>Classical and Quantum Gravity</i> , 2008, 25, 205011.	4.0	23
49	Hyperbolic scattering of spinning particles by a Kerr black hole. <i>Physical Review D</i> , 2017, 96, .	4.7	23
50	Relative observer kinematics in general relativity. <i>Classical and Quantum Gravity</i> , 1995, 12, 2549-2563.	4.0	22
51	Spin precession in the Schwarzschild spacetime: circular orbits. <i>Classical and Quantum Gravity</i> , 2005, 22, 2947-2970.	4.0	22
52	Nonlocal gravity: Conformally flat spacetimes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2016, 13, 1650081.	2.0	22
53	Circular holonomy in the Taub-NUT spacetime. <i>Classical and Quantum Gravity</i> , 2002, 19, 5481-5488.	4.0	20
54	Kerr metric, static observers and Fermi coordinates. <i>Classical and Quantum Gravity</i> , 2005, 22, 4729-4742.	4.0	20

#	ARTICLE	IF	CITATIONS
55	Spin precession along circular orbits in the Kerr spacetime: the Frenet-Serret description. <i>Classical and Quantum Gravity</i> , 2006, 23, 3287-3304.	4.0	20
56	Spin-rotation couplings: spinning test particles and Dirac field. <i>General Relativity and Gravitation</i> , 2008, 40, 1145-1177.	2.0	20
57	Conservative second-order gravitational self-force on circular orbits and the effective one-body formalism. <i>Physical Review D</i> , 2016, 93, .	4.7	20
58	Gravitational self-force corrections to gyroscope precession along circular orbits in the Kerr spacetime. <i>Physical Review D</i> , 2018, 98, .	4.7	20
59	Geometric interpretation of the Frenet-Serret frame description of circular orbits in stationary axisymmetric spacetimes. <i>Classical and Quantum Gravity</i> , 1999, 16, 1333-1348.	4.0	19
60	Spinning test particles in general relativity: Nongeodesic motion in the Reissner-Nordström spacetime. <i>Physical Review D</i> , 2000, 61, .	4.7	19
61	Spin-geodesic deviations in the Schwarzschild spacetime. <i>General Relativity and Gravitation</i> , 2011, 43, 959-975.	2.0	19
62	Dynamics of quadrupolar bodies in a Schwarzschild spacetime. <i>Physical Review D</i> , 2013, 87, .	4.7	19
63	Spin-orbit precession along eccentric orbits: Improving the knowledge of self-force corrections and of their effective-one-body counterparts. <i>Physical Review D</i> , 2018, 97, .	4.7	19
64	Weitzenböck's torsion, Fermi coordinates, and adapted frames. <i>Physical Review D</i> , 2015, 91, .	4.7	18
65	Gravitational waves, gyroscopes and frame dragging. <i>Classical and Quantum Gravity</i> , 2001, 18, 2945-2958.	4.0	17
66	Dynamics of extended bodies in a Kerr spacetime with spin-induced quadrupole tensor. <i>Physical Review D</i> , 2015, 92, .	4.7	17
67	DE RHAM WAVE EQUATION FOR TENSOR VALUED p-FORMS. <i>International Journal of Modern Physics D</i> , 2003, 12, 1363-1384.	2.1	16
68	Petrov classification of perturbed spacetimes: the Kasner example. <i>Classical and Quantum Gravity</i> , 2004, 21, 4833-4843.	4.0	16
69	LIMITATIONS OF RADAR COORDINATES. <i>International Journal of Modern Physics D</i> , 2005, 14, 1413-1429.	2.1	16
70	Relativistic tidal acceleration of astrophysical jets. <i>Physical Review D</i> , 2017, 95, .	4.7	16
71	On the equilibrium of a charged massive particle in the field of a Reissner-Nordström black hole. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 360, 515-517.	2.1	15
72	Quadrupole effects on the motion of extended bodies in Kerr spacetime. <i>Classical and Quantum Gravity</i> , 2008, 25, 125007.	4.0	15

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73	MASSLESS SPINNING TEST PARTICLES IN ALGEBRAICALLY SPECIAL VACUUM SPACE-TIMES. International Journal of Modern Physics D, 2006, 15, 737-758.	2.1	14
74	Frequency domain analysis of the gravitational wave energy loss in hyperbolic encounters. Physical Review D, 2021, 104, .	4.7	14
75	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
76	CHARGED SPINNING PARTICLES ON CIRCULAR ORBITS IN THE REISSNER-NORDSTRÖM SPACE-TIME. International Journal of Modern Physics D, 2005, 14, 1793-1811.	2.1	13
77	Tidal indicators in the spacetime of a rotating deformed mass. Classical and Quantum Gravity, 2012, 29, 145003.	4.0	13
78	Extended bodies in a Kerr spacetime: exploring the role of a general quadrupole tensor. Classical and Quantum Gravity, 2014, 31, 075024.	4.0	13
79	Gyroscope precession along bound equatorial plane orbits around a Kerr black hole. Physical Review D, 2016, 94, .	4.7	13
80	Strains in general relativity. Classical and Quantum Gravity, 2006, 23, 7603-7626.	4.0	12
81	Deviation and precession effects in the field of a weak gravitational wave. Physical Review D, 2017, 95, .	4.7	12
82	Thomas precession in post-Newtonian gravitoelectromagnetism. Physical Review D, 1994, 49, 2820-2827.	4.7	11
83	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
84	Quadrupole effects on the motion of extended bodies in Schwarzschild spacetime. Classical and Quantum Gravity, 2008, 25, 035005.	4.0	11
85	Dixon's extended bodies and weak gravitational waves. General Relativity and Gravitation, 2009, 41, 105-116.	2.0	11
86	On vortices heating biological excitable media. Chaos, Solitons and Fractals, 2009, 42, 2057-2066.	5.1	11
87	Dark energy from cosmological fluids obeying a Shan-Chen nonideal equation of state. Physical Review D, 2013, 88, .	4.7	11
88	What can we extract from quasiperiodic oscillations?. Gravitation and Cosmology, 2014, 20, 233-239.	1.1	11
89	Gyroscope precession along general timelike geodesics in a Kerr black hole spacetime. Physical Review D, 2017, 95, .	4.7	11
90	Detweiler'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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91	New gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole: Redshift invariant. <i>Physical Review D</i> , 2019, 100, .	4.7	11
92	Periastron shift in Weyl class spacetimes. <i>General Relativity and Gravitation</i> , 2005, 37, 1263-1276.	2.0	10
93	Spinning particles in the vacuum C metric. <i>Classical and Quantum Gravity</i> , 2005, 22, 709-722.	4.0	10
94	Frenet-Serret formalism for null world lines. <i>Classical and Quantum Gravity</i> , 2006, 23, 3963-3981.	4.0	10
95	Effect of radiation flux on test-particle motion in the Vaidya spacetime. <i>Classical and Quantum Gravity</i> , 2011, 28, 245019.	4.0	10
96	Separable geodesic action slicing in stationary spacetimes. <i>General Relativity and Gravitation</i> , 2012, 44, 603-621.	2.0	10
97	Peculiar velocities in dynamic spacetimes. <i>Physical Review D</i> , 2014, 90, .	4.7	10
98	Relativistic gravity gradiometry. <i>Physical Review D</i> , 2016, 94, .	4.7	10
99	New gravitational self-force analytical results for eccentric equatorial orbits around a Kerr black hole: Gyroscope precession. <i>Physical Review D</i> , 2019, 100, .	4.7	10
100	Gyroscopes and gravitational waves. <i>Classical and Quantum Gravity</i> , 2000, 17, 4627-4635.	4.0	9
101	The speciality index as invariant indicator in the BKL mixmaster dynamics. <i>Classical and Quantum Gravity</i> , 2005, 22, 1763-1768.	4.0	9
102	THE KERR-SCHILD ANSATZ REVISED. <i>International Journal of Geometric Methods in Modern Physics</i> , 2010, 07, 693-703.	2.0	9
103	The Erez-Rosen metric and the role of the quadrupole on light propagation. <i>Classical and Quantum Gravity</i> , 2013, 30, 045009.	4.0	9
104	On the interaction of massless fields with a gravitomagnetic monopole. <i>Classical and Quantum Gravity</i> , 2002, 19, 5265-5272.	4.0	8
105	Analogy between capillary motion and Friedmann-Robertson-Walker cosmology. <i>Europhysics Letters</i> , 2008, 82, 34003.	2.0	8
106	Fermi coordinates in Schwarzschild spacetime: closed form expressions. <i>General Relativity and Gravitation</i> , 2011, 43, 1837-1853.	2.0	8
107	Perturbative evaluation of the scalar two-point function in the cosmic microwave background power spectrum. <i>Physical Review D</i> , 2014, 89, .	4.7	8
108	Refraction index analysis of light propagation in a colliding gravitational wave spacetime. <i>General Relativity and Gravitation</i> , 2014, 46, 1.	2.0	8

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109	Tidal invariants along the worldline of an extended body in Kerr spacetime. <i>Physical Review D</i> , 2015, 91, .	4.7	8
110	Radiation drag in the field of a non-spherical source. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 65-74.	4.4	8
111	Hyperbolic-like elastic scattering of spinning particles by a Schwarzschild black hole. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	2.0	8
112	Detweiler's redshift invariant for extended bodies orbiting a Schwarzschild black hole. <i>Physical Review D</i> , 2020, 102, .	4.7	8
113	Ray tracing in relativistic astrometry: the boundary value problem. <i>Classical and Quantum Gravity</i> , 2003, 20, 2251-2259.	4.0	7
114	The Simon and Simon's Mars tensors for stationary Einstein's Maxwell fields. <i>Classical and Quantum Gravity</i> , 2004, 21, 1987-1998.	4.0	7
115	The speciality index and the Lifshitz's Khalatnikov Kasner index parametrization. <i>Classical and Quantum Gravity</i> , 2007, 24, 5627-5636.	4.0	7
116	Particle motion in a photon gas: friction matters. <i>General Relativity and Gravitation</i> , 2012, 44, 2669-2680.	2.0	7
117	Light scattering by radiation fields: The optical medium analogy. <i>Europhysics Letters</i> , 2013, 102, 20006.	2.0	7
118	Gyroscope precession along unbound equatorial plane orbits around a Kerr black hole. <i>Physical Review D</i> , 2016, 94, .	4.7	7
119	Anisotropic gravitational collapse and cosmic jets. <i>Physical Review D</i> , 2017, 96, .	4.7	7
120	Gravitational self-force corrections to tidal invariants for particles on eccentric orbits in a Schwarzschild spacetime. <i>Physical Review D</i> , 2018, 98, .	4.7	7
121	Dixon's extended bodies and impulsive gravitational waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6221-6225.	2.1	6
122	Friction forces in cosmological models. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	6
123	Effect of an arbitrary spin orientation on the quadrupolar structure of an extended body in a Schwarzschild spacetime. <i>Physical Review D</i> , 2015, 91, .	4.7	6
124	Twisted gravitational waves. <i>Physical Review D</i> , 2018, 97, .	4.7	6
125	Gravitational self-force corrections to tidal invariants for particles on circular orbits in a Kerr spacetime. <i>Physical Review D</i> , 2018, 98, .	4.7	6
126	Cylindrical gravitational waves: C-energy, super-energy and associated dynamical effects. <i>Classical and Quantum Gravity</i> , 2019, 36, 095012.	4.0	6



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127	Circular orbits in Kerr spacetime: equatorial plane embedding diagrams. <i>Classical and Quantum Gravity</i> , 2000, 17, 1637-1647.	4.0	5
128	GRAVITOELECTROMAGNETISM AND THE INTEGRAL FORMULATION OF MAXWELL'S EQUATIONS. <i>International Journal of Modern Physics D</i> , 2001, 10, 633-647.	2.1	5
129	The Origins of Causality Violations in Force-free Simulations of Black Hole Magnetospheres. <i>Astrophysical Journal</i> , 2004, 601, L135-L138.	4.5	5
130	C metric: the equatorial plane and Fermi coordinates. <i>Classical and Quantum Gravity</i> , 2005, 22, 5157-5168.	4.0	5
131	Physical frames along circular orbits in stationary axisymmetric spacetimes. <i>General Relativity and Gravitation</i> , 2008, 40, 985-1012.	2.0	5
132	Spinning bodies and the Poynting-Robertson effect in the Schwarzschild spacetime. <i>Classical and Quantum Gravity</i> , 2010, 27, 185014.	4.0	5
133	Electromagnetic waves in gravitational wave spacetimes. <i>Classical and Quantum Gravity</i> , 2011, 28, 235007.	4.0	5
134	de Sitter spacetime: effects of metric perturbations on geodesic motion. <i>General Relativity and Gravitation</i> , 2012, 44, 467-490.	2.0	5
135	Massless Dirac particles in the vacuum $C$ -metric. <i>Classical and Quantum Gravity</i> , 2015, 32, 215010.	4.0	5
136	Gravitational self-force corrections to tidal invariants for spinning particles on circular orbits in a Schwarzschild spacetime. <i>Physical Review D</i> , 2018, 98, .	4.7	5
137	High-energy hyperbolic scattering by neutron stars and black holes. <i>Physical Review D</i> , 2018, 98, .	4.7	5
138	Spinning particles in twisted gravitational wave spacetimes. <i>Physical Review D</i> , 2018, 98, .	4.7	5
139	Gravitomagnetic helicity. <i>Physical Review D</i> , 2022, 105, .	4.7	5
140	SCATTERING OF DIRAC PARTICLES BY GRAVITATIONAL PLANE WAVES. <i>International Journal of Modern Physics D</i> , 1995, 04, 291-304.	2.1	4
141	Equatorial Plane Circular Orbits in the Taub-NUT Spacetime. <i>General Relativity and Gravitation</i> , 2003, 35, 2249-2260.	2.0	4
142	GEOMETRIC TRANSPORT ALONG CIRCULAR ORBITS IN STATIONARY AXISYMMETRIC SPACETIMES. <i>International Journal of Modern Physics D</i> , 2004, 13, 1771-1803.	2.1	4
143	Spinning test particles in Weyl spacetimes. <i>Journal of Physics A</i> , 2005, 38, 1163-1186.	1.6	4
144	CIRCULAR MOTION IN ACCELERATING BLACK HOLE SPACETIMES. <i>International Journal of Modern Physics D</i> , 2007, 16, 1813-1828.	2.1	4

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145	Observer-dependent tidal indicators in the Kerr spacetime. <i>Classical and Quantum Gravity</i> , 2012, 29, 055005.	4.0	4
146	The signal from an emitting source moving in a Schwarzschild spacetime under the influence of a radiation field. <i>Classical and Quantum Gravity</i> , 2012, 29, 065014.	4.0	4
147	Radiation pressure vs. friction effects in the description of the Poynting-Robertson scattering process. <i>Europhysics Letters</i> , 2012, 97, 40007.	2.0	4
148	Particle scattering by a test fluid on a Schwarzschild spacetime: the equation of state matters. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	4
149	Scalar field inflation and Shan-Chen fluid models. <i>Physical Review D</i> , 2014, 90, .	4.7	4
150	Late-time evolution of cosmological models with fluids obeying a Shan-Chen-like equation of state. <i>Physical Review D</i> , 2016, 93, .	4.7	4
151	Black hole geodesic parallel transport and the Marck reduction procedure. <i>Physical Review D</i> , 2019, 99, .	4.7	4
152	Scattering of uncharged particles in the field of two extremely charged black holes. <i>General Relativity and Gravitation</i> , 2019, 51, 1.	2.0	4
153	Momentum recoil in the relativistic two-body problem: Higher-order tails. <i>Physical Review D</i> , 2022, 105, .	4.7	4
154	Multipolar invariants and the eccentricity enhancement function parametrization of gravitational radiation. <i>Physical Review D</i> , 2022, 105, .	4.7	4
155	Test particle motion in a gravitational plane wave collision background. <i>Classical and Quantum Gravity</i> , 2003, 20, 341-350.	4.0	3
156	SUPERPOSITION OF WEYL SOLUTIONS: CIRCULAR ORBITS. <i>International Journal of Modern Physics D</i> , 2004, 13, 983-1003.	2.1	3
157	Effects of friction forces on the motion of objects in smoothly matched interior/exterior spacetimes. <i>Classical and Quantum Gravity</i> , 2013, 30, 025009.	4.0	3
158	Schwarzschild black hole embedded in a dust field: scattering of particles and drag force effects. <i>Classical and Quantum Gravity</i> , 2016, 33, 125024.	4.0	3
159	Scattering by a Schwarzschild black hole of particles undergoing drag force effects. <i>General Relativity and Gravitation</i> , 2016, 48, 1.	2.0	3
160	Gödel spacetime: Planar geodesics and gyroscope precession. <i>Physical Review D</i> , 2019, 100, .	4.7	3
161	Analytical determination of the periastron advance in spinning binaries from self-force computations. <i>Physical Review D</i> , 2019, 100, .	4.7	3
162	Twisted gravitational waves of Petrov type D. <i>Physical Review D</i> , 2018, 98, .	4.7	3

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163	Static and dynamic Melvin universes. <i>Physical Review D</i> , 2022, 105, .	4.7	3
164	ON THE LINEARIZATION OF THE BELINSKI-ALEKSEEV EXACT SOLUTION FOR TWO CHARGED MASSES IN EQUILIBRIUM. <i>International Journal of Modern Physics A</i> , 2008, 23, 1226-1230.	1.5	2
165	GRAVITATIONAL WAVES ABOUT CURVED BACKGROUNDS: A CONSISTENCY ANALYSIS IN DE SITTER SPACETIME. <i>International Journal of Geometric Methods in Modern Physics</i> , 2008, 05, 1069-1083.	2.0	2
166	Electrocardiogram of the Mixmaster universe. <i>Classical and Quantum Gravity</i> , 2009, 26, 025012.	4.0	2
167	Extended bodies with quadrupole moment interacting with gravitational monopoles: reciprocity relations. <i>General Relativity and Gravitation</i> , 2009, 41, 2781-2795.	2.0	2
168	Solution of Maxwell's equations on a de Sitter background. <i>General Relativity and Gravitation</i> , 2010, 42, 51-61.	2.0	2
169	Particle dynamics and deviation effects in the field of a strong electromagnetic wave. <i>Physical Review D</i> , 2014, 89, .	4.7	2
170	Slicing black hole spacetimes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2015, 12, 1550070.	2.0	2
171	Black Hole Perturbations: A Review of Recent Analytical Results. <i>Foundations of Physics</i> , 2018, 48, 1349-1363.	1.3	2
172	Inertial Forces: The Special Relativistic Assessment. , 2004, , 221-239.		2
173	Petrov types and special reference frames. <i>International Journal of Modern Physics D</i> , 2002, 11, 223-236.	2.1	1
174	Algebraically special frequencies of NUT black holes. <i>Classical and Quantum Gravity</i> , 2004, 21, 4523-4529.	4.0	1
175	Accelerated orbits in black hole fields: the static case. <i>Classical and Quantum Gravity</i> , 2011, 28, 225012.	4.0	1
176	On the occurrence of Closed Timelike Curves and the observer's point of view. <i>EPJ Web of Conferences</i> , 2013, 58, 01002.	0.3	1
177	Observer-dependent optical properties of stationary axisymmetric spacetimes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2014, 11, 1450024.	2.0	1
178	Orbital effects due to gravitational induction. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	1
179	Position determination and strong field parallax effects for photon emitters in the Schwarzschild spacetime. <i>General Relativity and Gravitation</i> , 2017, 49, 1.	2.0	1
180	Gravitational wave effects on astrometric observables. <i>Physical Review D</i> , 2018, 98, .	4.7	1

#	ARTICLE	IF	CITATIONS
181	On the local isometric embedding of trapped surfaces into three-dimensional Riemannian manifolds. <i>Classical and Quantum Gravity</i> , 2018, 35, 195003.	4.0	1
182	On the energy content of electromagnetic and gravitational plane waves through super-energy tensors. <i>Classical and Quantum Gravity</i> , 2018, 35, 165006.	4.0	1
183	New solutions of the Ermakov-Pinney equation in curved space-time. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	2.0	1
184	Investigating new forms of gravity-matter couplings in the gravitational field equations. <i>Physical Review D</i> , 2021, 103, .	4.7	1
185	On the "electric Meissner effect" in the field of a Reissner-Nordstr. <i>Journal of the Korean Physical Society</i> , 2010, 56, 1594-1597.	0.7	1
186	NEUTRINO CURRENT IN A GRAVITATIONAL PLANE WAVE COLLISION BACKGROUND. <i>International Journal of Modern Physics D</i> , 2003, 12, 1983-2000.	2.1	0
187	Strains and Jets in black hole fields. <i>EAS Publications Series</i> , 2008, 30, 111-117.	0.3	0
188	EQUILIBRIUM ORBITS OF PARTICLES UNDERGOING POYNTING-ROBERTSON EFFECT IN SCHWARZSCHILD SPACETIME. <i>International Journal of Modern Physics Conference Series</i> , 2012, 12, 247-255.	0.7	0
189	Observers, Observables and Measurements in General Relativity. , 2014, , 67-90.		0
190	Chronology protection in the Kerr metric. <i>General Relativity and Gravitation</i> , 2015, 47, 1.	2.0	0
191	Relative-observer definition of the Simon tensor. <i>Classical and Quantum Gravity</i> , 2018, 35, 105003.	4.0	0
192	Gödel spacetime, planar geodesics and the Möbius map. <i>General Relativity and Gravitation</i> , 2020, 52, 1.	2.0	0
193	GENERAL RELATIVITY WITHOUT GENERAL RELATIVITY: SELF-GRAVITATING SYSTEMS AND EFFECTIVE GEOMETRIES. , 2012, , .		0
194	High-Order Post-Newtonian Contributions to Gravitational Self-force Effects in Black Hole Spacetimes. <i>Springer INdAM Series</i> , 2017, , 25-77.	0.5	0