# Marc Kamionkowski

List of Publications by Year
in descending order



| 237 | 28,293 | 5876 | 5227 |
|---|---|---|---|
| papers | citations | 81 h-index | 165 g-index |

| 239 | 239 | 239 | 12733 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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| 2 | Phantom Energy: Dark Energy withw<â^'1Causes a Cosmic Doomsday. Physical Review Letters, 2003, 91, 071301. | 2.9 | 1,808 |
| 3 | Did LIGO Detect Dark Matter?. Physical Review Letters, 2016, 116, 201301. | 2.9 | 872 |
| 4 | Cosmic chronometers: constraining the equation of state of dark energy. I: H(z) measurements. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 008-008. | 1.9 | 823 |
| 5 | Statistics of cosmic microwave background polarization. Physical Review D, 1997, 55, 7368-7388. | 1.6 | 773 |
| 6 | A Probe of Primordial Gravity Waves and Vorticity. Physical Review Letters, 1997, 78, 2058-2061. | 2.9 | 661 |
| 7 | Unitarity limits on the mass and radius of dark-matter particles. Physical Review Letters, 1990, 64, 615-618. | 2.9 | 601 |
| 8 | Gravitational radiation from first-order phase transitions. Physical Review D, 1994, 49, 2837-2851. | 1.6 | 593 |
| 9 | Early Dark Energy can Resolve the Hubble Tension. Physical Review Letters, 2019, 122, 221301. | 2.9 | 566 |
| 10 | Solar fusion cross sections. Reviews of Modern Physics, 1998, 70, 1265-1291. | 16.4 | 556 |
| 11 | Cosmological Signature of New Parity-Violating Interactions. Physical Review Letters, 1999, 83, 1506-1509. | 2.9 | 499 |
| 12 | Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001. | 1.5 | 451 |
| 13 | The Physics of Cosmic Acceleration. Annual Review of Nuclear and Particle Science, 2009, 59, 397-429. | 3.5 | 411 |
| 14 | Planck-scale physics and the Peccei-Quinn mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 282, 137-141. | 1.5 | 389 |
| 15 | Cosmological-parameter determination with microwave background maps. Physical Review D, 1996, 54, 1332-1344. | 1.6 | 384 |
| 16 | Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211. | 2.4 | 350 |
| 17 | Cosmic microwave background limits on accreting primordial black holes. Physical Review D, 2017, 95, . | 1.6 | 328 |
| 18 | Intrinsic and extrinsic galaxy alignment. Monthly Notices of the Royal Astronomical Society, 2001, 320, L7-L13. | 1.6 | 324 |

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| 20 | Particle decays during the cosmic dark ages. Physical Review D, 2004, 70, . | 1.6 | 313 |
| 21 | Dark matter and dark radiation. Physical Review D, 2009, 79, . | 1.6 | 294 |
| 22 | Merger rate of primordial black-hole binaries. Physical Review D, 2017, 96, . | 1.6 | 282 |
| 23 | The Quest for B Modes from Inflationary Gravitational Waves. Annual Review of Astronomy and Astrophysics, 2016, 54, 227-269. | 8.1 | 246 |
| 24 | Dark energy at early times, the Hubble parameter, and the string axiverse. Physical Review D, 2016, 94, . | 1.6 | 243 |
| 25 | Snowmass2021 - Letter of interest cosmology intertwined II: The hubble constant tension. Astroparticle Physics, 2021, 131, 102605. | 1.9 | 228 |
| 26 | Dark-matter electric and magnetic dipole moments. Physical Review D, 2004, 70, . | 1.6 | 224 |
| 27 | Dark-matter spike at the galactic center?. Physical Review D, 2001, 64, . | 1.6 | 211 |
| 28 | The Dearth of Halo Dwarf Galaxies: Is There Power on Short Scales?. Physical Review Letters, 2000, 84, 4525-4528. | 2.9 | 202 |
| 29 | Constraining dark matter-baryon scattering with linear cosmology. Physical Review D, 2014, 89, . | 1.6 | 197 |
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| 32 | Separation of Gravitational-Wave and Cosmic-Shear Contributions to Cosmic Microwave Background Polarization. Physical Review Letters, 2002, 89, 011304. | 2.9 | 194 |
| 33 | Lensing of Fast Radio Bursts as a Probe of Compact Dark Matter. Physical Review Letters, 2016, 117, 091301. | 2.9 | 189 |
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| 35 | Cosmology intertwined III: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:mi>f</mml:mi><mml:msub><mml:mi>Ïf</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mr and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mi>S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Astroparticle Physics, 2021, 131, 102604. | 1.9 | 182 |
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| 41 | The contribution of the first stars to the cosmic infrared background. Monthly Notices of the Royal Astronomical Society, 2002, 336, 1082-1092. | 1.6 | 164 |
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| 46 | A hemispherical power asymmetry from inflation. Physical Review D, 2008, 78, . | 1.6 | 151 |
| 47 | Cosmic microwave background bispectrum and inflation. Physical Review D, 2000, 61, . | 1.6 | 150 |
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| 62 | Constraints on Dark Matter Interactions with Standard Model Particles from Cosmic Microwave Background Spectral Distortions. Physical Review Letters, 2015, 115, 071304. | 2.9 | 102 |
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