# Pran Nath

List of Publications by Year
in descending order



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|---|---|---|---|
| 170 papers | 8,157 citations | 66234 42 h-index | 48187 88 g-index |
| 171 all docs | 171 docs citations | 171 times ranked | 6125 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Corrections to Yukawa couplings from higher dimensional operators in a natural SUSY SO(10) and HL-LHC implications. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 5 |
| 2 | Self-interacting hidden sector dark matter, small scale galaxy structure anomalies, and a dark force. Physical Review D, 2021, 103, . | 1.6 | 13 |
| 3 | Yukawa coupling unification in an SO(10) model consistent with Fermilab (g âˆ’ 2)Î¼ result. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 17 |
| 4 | A multi-temperature universe can allow a sub-MeV dark photon dark matter. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 7 |
| 5 | What the Fermilab muon <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi><mml:mo>âˆ’</mml:mo><mml:mn>2</mml:mn></mml:math> experiment tells us about discovering supersymmetry at high luminosity and high energy upgrades to the LHC. Physical Review D, 2021, 104, . | 1.6 | 32 |
| 6 | A decaying neutralino as dark matter and its gamma ray spectrum. European Physical Journal C, 2021, 81, 1. | 1.4 | 4 |
| 7 | Xenon-1T excess as a possible signal of a sub-GeV hidden sector dark matter. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 12 |
| 8 | A cosmologically consistent millicharged dark matter solution to the EDGES anomaly of possible string theory origin. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 14 |
| 9 | Supersymmetry unification, naturalness, and discovery prospects at HL-LHC and HE-LHC. European Physical Journal: Special Topics, 2020, 229, 3047-3059. | 1.2 | 2 |
| 10 | Expanding the parameter space of natural supersymmetry. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 5 |
| 11 | A long-lived stop with freeze-in and freeze-out dark matter in the hidden sector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 7 |
| 12 | Supersymmetric Dirac-Born-Infeld axionic inflation and non-Gaussianity. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 3 |
| 13 | Observables of low-lying supersymmetric vectorlike leptonic generations via loop corrections. Physical Review D, 2018, 98, . | 1.6 | 2 |
| 14 | Supersymmetry at a 28ÂTeV hadron collider: HE-LHC. Physical Review D, 2018, 98, . | 1.6 | 19 |
| 15 | Evidence for inflation in an axion landscape. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 4 |
| 16 | High energy physics and cosmology at the unification frontier: Opportunities and challenges in the coming years. International Journal of Modern Physics A, 2018, 33, 1830017. | 0.5 | 4 |
| 17 | Baryogenesis and dark matter in U(1) extensions. Modern Physics Letters A, 2017, 32, 1740005. | 0.5 | 5 |
| 18 | Supergravity models with 50â€“100ÂTeV scalars, supersymmetry discovery at the LHC, and gravitino decay constraints. Physical Review D, 2017, 96, . | 1.6 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Flavor violating top decays and flavor violating quark decays of the Higgs boson. International Journal of Modern Physics A, 2017, 32, 1750135. | 0.5 | 1 |
| 20 | Stau coannihilation, compressed spectrum, and SUSY discovery potential at the LHC. Physical Review D, 2017, 95, . | 1.6 | 16 |
| 21 | A stronger case for superunification post Higgs boson discovery. Physica Scripta, 2017, 92, 124005. | 1.2 | 3 |
| 22 | Ultralight axion in supersymmetry and strings and cosmology at small scales. Physical Review D, 2017, 96, . | 1.6 | 28 |
| 23 | Leptonic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi><mml:mo>â^'</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>mom<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>phases, and the Higgs boson | 1.6 | 14 |
| 24 | An analysis of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi><mml:mo>â^'</mml:mo><mml:mi>L</mml:mi><mml:mo>=</mml:mo><mml:mo>â^'</mml:mo><mml:m from matter-Higgs interactions in a class of supersymmetric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mstyle mathvariant="normal"><mml:mi>S</mml:mi></mml:mstyle><mml:mstyle mathvariant="normal"><mml:mi>O</mml:mi></mml:mstyle><mml:mo stretchy="false". Physical Review | 1.6 | 11 |
| 25 | Gluino coannihilation and observability of gluinos at LHC run II. Physical Review D, 2016, 93, . | 1.6 | 15 |
| 26 | Higgs boson mass constraint and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>even-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>odd Higgs boson mixing in an MSSM extension. Physical Review D, 2016, 94, . | 1.6 | 2 |
| 27 | Flavor violating leptonic decays of the Higgs boson. Physical Review D, 2016, 94, . | 1.6 | 4 |
| 28 | ATLAS diboson excess from Stueckelberg mechanism. Journal of High Energy Physics, 2016, 2016, 1-15. | 1.6 | 3 |
| 29 | Supersymmetry after the Higgs. Annalen Der Physik, 2016, 528, 167-178. | 0.9 | 3 |
| 30 | Neutron electric dipole moment and probe of PeV scale physics. Physical Review D, 2015, 91, . | 1.6 | 5 |
| 31 | Chromoelectric dipole moments of quarks in MSSM extensions. Physical Review D, 2015, 92, . | 1.6 | 10 |
| 32 | Light stops and observation of supersymmetry at LHC run II. Physical Review D, 2015, 92, . | 1.6 | 17 |
| 33 | Î¼â†'eÎ³decay in an MSSM extension. Physical Review D, 2015, 92, . | 1.6 | 10 |
| 34 | Sparticle mass hierarchies, simplified models from SUGRA unification, and benchmarks for LHC Run-II SUSY searches. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 16 |
| 35 | Probe of new physics using precision measurement of the electron magnetic moment. Physical Review D, 2014, 89, . | 1.6 | 7 |
| 36 | Electron electric dipole moment as a sensitive probe of PeV scale physics. Physical Review D, 2014, 90, . | 1.6 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 3.5ÂkeV galactic emission line as a signal from the hidden sector. Physical Review D, 2014, 90, . | 1.6 | 8 |
| 38 | Large neutrino magnetic dipole moments in MSSM extensions. Physical Review D, 2014, 89, . | 1.6 | 14 |
| 39 | Higgs boson mass, proton decay, naturalness, and constraints of the LHC and Planck data. Physical Review D, 2013, 87, . | 1.6 | 39 |
| 40 | Perspectives on Higgs boson and supersymmetry. Frontiers of Physics, 2013, 8, 294-301. | 2.4 | 2 |
| 41 | Ï„â†'Î¼Î³decay in extensions with a vectorlike generation. Physical Review D, 2013, 87, . | 1.6 | 15 |
| 42 | Higgs diphoton rate and mass enhancement with vectorlike leptons and the scale of supersymmetry. Physical Review D, 2013, 87, . | 1.6 | 16 |
| 43 | Baryogenesis from dark matter. Physical Review D, 2013, 88, . | 1.6 | 17 |
| 44 | Radiative decays of cosmic background neutrinos in extensions of the MSSM with a vectorlike lepton generation. Physical Review D, 2013, 88, . | 1.6 | 16 |
| 45 | Variety of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi><mml:mi>O</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>10</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417.7d (stretchy="false"> partner mechanism. Physical Review D, 2012, 85, . | 1.6 | 32 |
| 46 | THE DEVELOPMENT OF SUPERGRAVITY GRAND UNIFICATION: CIRCA 1982â€“1985. International Journal of Modern Physics A, 2012, 27, 1230028. | 0.5 | 14 |
| 47 | HIGGS PHYSICS AND SUPERSYMMETRY. International Journal of Modern Physics A, 2012, 27, 1230029. | 0.5 | 27 |
| 48 | Higgs boson mass predictions in supergravity unification, recent LHC-7 results, and dark matter. Physical Review D, 2012, 85, . | 1.6 | 75 |
| 49 | Implications of the Higgs boson discovery for mSUGRA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 188-192. | 1.5 | 75 |
| 50 | GUT and supersymmetry at the LHC and in dark matter. , 2012, , . | | 0 |
| 51 | Naturalness, supersymmetry and implications for LHC and dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 192-199. | 1.5 | 76 |
| 52 | R-parity conservation via the Stueckelberg mechanism: LHC and Dark Matter Signals. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 37 |
| 53 | Predictive signatures of supersymmetry: Measuring the dark matter mass and gluino mass with early LHC data. Physical Review D, 2011, 84, . | 1.6 | 22 |
| 54 | Low mass gluino within the sparticle landscape, implications for dark matter, and early discovery prospects at LHC-7. Physical Review D, 2011, 83, . | 1.6 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Chromoelectric dipole moment of the top quark in models with vectorlike multiplets. Physical Review D, 2011, 84, . | 1.6 | 34 |
| 56 | Excess observed in CDF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi>B</mml:mi><mml:mi>s</mml:mi><mml:mn>0</mml:mn></mml:msubsup><mml:mo>â†’</m supersymmetry at the LHC. Physical Review D, 2011, 84, . | 1.6 | 12 |
| 57 | Higgsino dark matter model consistent with galactic cosmic ray data and possibility of discovery at LHC-7. Physical Review D, 2011, 83, . | 1.6 | 8 |
| 58 | NEW CONSTRAINTS ON DARK MATTER FROM CMS AND ATLAS DATA. Modern Physics Letters A, 2011, 26, 1521-1535. | 0.5 | 35 |
| 59 | Developments in Supergravity Unified Models. Advanced Series on Directions in High Energy Physics, 2010, , 222-243. | 0.7 | 0 |
| 60 | Top quark electric dipole moment in a minimal supersymmetric standard model extension with vectorlike multiplets. Physical Review D, 2010, 82, . | 1.6 | 36 |
| 61 | PREDICTED SIGNATURES AT THE LHC FROM U(1) EXTENSIONS OF THE STANDARD MODEL. Modern Physics Letters A, 2010, 25, 3003-3016. | 0.5 | 5 |
| 62 | HIGH SCALE PHYSICS CONNECTION TO LHC DATA. International Journal of Modern Physics A, 2010, 25, 5647-5665. | 0.5 | 1 |
| 63 | Connecting the direct detection of dark matter with observation of sparticles at the LHC. Physical Review D, 2010, 81, . | 1.6 | 17 |
| 64 | Yukawa couplings and quark and lepton masses in anSO(10)model with a unified Higgs sector. Physical Review D, 2010, 81, . | 1.6 | 24 |
| 65 | Large tau and tau neutrino electric dipole moments in models with vectorlike multiplets. Physical Review D, 2010, 81, . | 1.6 | 30 |
| 66 | Low mass neutralino dark matter in the minimal supersymmetric standard model with constraints from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>B</mml:mi><mml:mi>s</mml:mi></mml:msub><mml:mo>â†’</mml:mo><mml:msup><mml:mi> Higgs boson search limits. Physical Review D, 2010, 81, . | 1.6 | 53 |
| 67 | Multicomponent dark matter in supersymmetric hidden sector extensions. Physical Review D, 2010, 81, . | 1.6 | 67 |
| 68 | PAMELA positron excess as a signal from the hidden sector. Physical Review D, 2009, 79, . | 1.6 | 141 |
| 69 | Gluino NLSP, dark matter via gluino coannihilation, and LHC signatures. Physical Review D, 2009, 80, . | 1.6 | 57 |
| 70 | Explaining PAMELA and WMAP data through coannihilations in extended SUGRA with collider implications. Physical Review D, 2009, 80, . | 1.6 | 36 |
| 71 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="italic">CP</mml:mi></mml:math>violation from the standard model to strings. Reviews of Modern Physics, 2008, 80, 577-631. | 16.4 | 88 |
| 72 | Suppression of Higgsino mediated proton decay by cancellations in grand unified theories and strings. Physical Review D, 2008, 77, . | 1.6 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | MSSM extension with a mirror fourth generation, neutrino magnetic moments, and CERN LHC signatures. Physical Review D, 2008, 78, . | 1.6 | 34 |
| 74 | Recent Developments in Supersymmetric and Hidden Sector Dark Matter. , 2008, , . | | 1 |
| 75 | Landscape of Supersymmetric Particle Mass Hierarchies and their Signature Space at the CERN Large Hadron Collider. Physical Review Letters, 2007, 99, 251802. | 2.9 | 62 |
| 76 | Extra-weakly interacting dark matter. Physical Review D, 2007, 75, . | 1.6 | 97 |
| 77 | Proton stability in grand unified theories, in strings and in branes. Physics Reports, 2007, 441, 191-317. | 10.3 | 319 |
| 78 | DARK MATTER IN SUGRA, STRINGS AND BRANES. , 2007, , . | | 0 |
| 79 | Fermion mass generation inSO(10)with a unified Higgs sector. Physical Review D, 2006, 74, . | 1.6 | 42 |
| 80 | An improved analysis ofbâ†'sÎ³in supersymmetry. Physical Review D, 2006, 74, . | 1.6 | 55 |
| 81 | HOW STUECKELBERG EXTENDS THE STANDARD MODEL AND THE MSSM. , 2005, , . | | 1 |
| 82 | WMAP dark matter constraints and Yukawa unification in supergravity models withCPphases. Physical Review D, 2005, 72, . | 1.6 | 40 |
| 83 | SOFT BREAKING IN SUSY, STRING AND INTERSECTING D BRANE MODELS. International Journal of Modern Physics A, 2005, 20, 1320-1327. | 0.5 | 0 |
| 84 | Unified framework for symmetry breaking in SO(10). Physical Review D, 2005, 72, . | 1.6 | 47 |
| 85 | Modular invariant soft breaking, WMAP, dark matter, and sparticle mass limits. Physical Review D, 2004, 70, . | 1.6 | 2 |
| 86 | Sensitivity of supersymmetric dark matter to thebquark mass. Physical Review D, 2004, 70, . | 1.6 | 32 |
| 87 | Effective Lagrangian for theÏ‡i+Ï‡j0Hâ^'interaction in the minimal supersymmetric standard model and charged Higgs decays. Physical Review D, 2004, 70, . | 1.6 | 14 |
| 88 | Coupling the supersymmetric 210 vector multiplet to matter in SO(10). Nuclear Physics B, 2004, 676, 64-98. | 0.9 | 17 |
| 89 | Effective action and soft supersymmetry breaking for intersecting D-brane models. Nuclear Physics B, 2004, 681, 77-119. | 0.9 | 61 |
| 90 | WMAP constraints, supersymmetric dark matter, and implications for the direct detection of supersymmetry. Physical Review D, 2003, 68, . | 1.6 | 238 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Neutralino exchange corrections to the Higgs boson mixings with explicitCPviolation. Physical Review D, 2002, 66, . | 1.6 | 64 |
| 92 | bâˆ’Ï„unification,gÎ¼âˆ’2,thebâ†'s+Î³constraint, and nonuniversalities. Physical Review D, 2002, 65, . | 1.6 | 72 |
| 93 | Theoretical Status of Muon (gâˆ’2). AIP Conference Proceedings, 2002, , . | 0.3 | 0 |
| 94 | LARGE PHASES AND CP VIOLATION IN SUSY. , 2002, , . | | 2 |
| 95 | Complete cubic and quartic couplings of 16 and in SO(10) unification. Nuclear Physics B, 2001, 618, 138-156. | 0.9 | 37 |
| 96 | Analysis of couplings with large tensor representations in SO(2N) and proton decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 506, 68-76. | 1.5 | 43 |
| 97 | Upper Limits on Sparticle Masses fromgâˆ’2and the Possibility for Discovery of Supersymmetry at Colliders and in Dark Matter Searches. Physical Review Letters, 2001, 86, 5854-5857. | 2.9 | 102 |
| 98 | Gaugino mass nonuniversality and dark matter in supergravity, strings, and D-brane models. Physical Review D, 2001, 64, . | 1.6 | 142 |
| 99 | Corrections to the Higgs boson masses and mixings from chargino,W, and charged Higgs exchange loops and largeCPphases. Physical Review D, 2001, 63, . | 1.6 | 99 |
| 100 | RECENT DEVELOPMENTS IN SUPERSYMMETRIC DARK MATTER. , 2001, , . | | 0 |
| 101 | OUT-GOING MUON FLUX FROM NEUTRALINO ANNIHILATION IN THE SUN AND THE EARTH IN SUPERGRAVITY UNIFICATION. International Journal of Modern Physics A, 2000, 15, 905-914. | 0.5 | 25 |
| 102 | Effects of largeCPphases on the proton lifetime in supersymmetric unification. Physical Review D, 2000, 62, . | 1.6 | 16 |
| 103 | LargeCPphases and the cancellation mechanism in EDMs in SUSY, string, and brane models. Physical Review D, 2000, 61, . | 1.6 | 104 |
| 104 | Cosmological constraints on supergravity unified models. Physics Reports, 1998, 307, 215-226. | 10.3 | 1 |
| 105 | Naturalness, weak scale supersymmetry, and the prospect for the observation of supersymmetry at the Fermilab Tevatron and at the CERN LHC. Physical Review D, 1998, 58, . | 1.6 | 317 |
| 106 | Neutron and electron electric dipole moment inN=1supergravity unification. Physical Review D, 1998, 57, 478-488. | 1.6 | 298 |
| 107 | Neutron and lepton electric dipole moments in the minimal supersymmetric standard model, largeCPviolating phases, and the cancellation mechanism. Physical Review D, 1998, 58, . | 1.6 | 247 |
| 108 | ACCURATE COSMOLOGICAL PARAMETERS AND SUPERSYMMETRIC PARTICLE PROPERTIES. Modern Physics Letters A, 1998, 13, 2239-2245. | 0.5 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | SUPERGRAVITY UNIFIED MODELS. Advanced Series on Directions in High Energy Physics, 1998, , 442-461. | 0.7 | 1 |
| 110 | Non-universal Soft SUSY Breaking and Dark Matter. , 1998, , . | | 3 |
| 111 | IMPLICATIONS OF PLANCK AND MAP MEASUREMENTS ON SPARTICLE SPECTRA. , 1998, , . | | 0 |
| 112 | Nonuniversal soft supersymmetry breaking and dark matter. Physical Review D, 1997, 56, 2820-2832. | 1.6 | 201 |
| 113 | Rbin supergravity grand unification with nonuniversal soft supersymmetry breaking. Physical Review D, 1997, 56, 4194-4197. | 1.6 | 1 |
| 114 | Detecting physics at the post-grand-unified-theory and string scales by linear colliders. Physical Review D, 1997, 56, 2833-2841. | 1.6 | 14 |
| 115 | Textured minimal and extended supergravity unification and implications for proton stability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 381, 147-153. | 1.5 | 16 |
| 116 | Probing supergravity grand unification in the Brookhaveng-2 experiment. Physical Review D, 1996, 53, 1648-1657. | 1.6 | 210 |
| 117 | Predictions of neutralino dark matter event rates in minimal supergravity unification. Physical Review D, 1996, 54, 2374-2384. | 1.6 | 71 |
| 118 | Hierarchies and Textures in Supergravity Unification. Physical Review Letters, 1996, 76, 2218-2221. | 2.9 | 32 |
| 119 | Constraints on the minimal supergravity model from thebâ†'sÎ³ decay. Physical Review D, 1995, 51, 1371-1376. | 1.6 | 23 |
| 120 | Event Rates in Dark Matter Detectors for Neutralinos Including Constraints frombâ†'sÎ³Decay. Physical Review Letters, 1995, 74, 4592-4595. | 2.9 | 86 |
| 121 | Landau pole effects and the parameter space of the minimal supergravity model. Physical Review D, 1995, 52, 4169-4177. | 1.6 | 12 |
| 122 | Effects of gravitational smearing on predictions of supergravity grand unification. Physical Review D, 1995, 52, 5366-5369. | 1.6 | 41 |
| 123 | NEUTRALINO EVENT RATES IN DARK MATTER DETECTORS. Modern Physics Letters A, 1995, 10, 1257-1267. | 0.5 | 18 |
| 124 | Testing supergravity grand unification at future accelerator and underground experiments. Physical Review D, 1994, 49, 1479-1485. | 1.6 | 40 |
| 125 | Predictions in SU(5) supergravity grand unification with proton stability and relic density constraints. Physical Review Letters, 1993, 70, 3696-3699. | 2.9 | 150 |
| 126 | Supersymmetry and Unification of Fundamental Interactions (SUSY 93). , 1993, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Supersymmetric mass spectrum in SU(5) supergravity grand unification. Physical Review Letters, 1992, 69, 725-728. | 2.9 | 243 |
| 128 | Loop corrections to radiative breaking of electroweak symmetry in supersymmetry. Physical Review D, 1992, 46, 3981-3986. | 1.6 | 129 |
| 129 | CPviolation via electroweak gauginos and the electric dipole moment of the electron. Physical Review Letters, 1991, 66, 2565-2568. | 2.9 | 169 |
| 130 | Î¼â†'e+Î³ and Ï„â†'Î¼+Î³ decays in string models withE6symmetry. Physical Review Letters, 1991, 66, 2708-2711. | 2.9 | 26 |
| 131 | Light Higgs bosons in three-generation Calabi-Yau superstring theory. Physical Review D, 1991, 43, 3739-3747. | 1.6 | 1 |
| 132 | (27)3 YUKAWA COUPLINGS AND EMBEDDINGS OF DISCRETE GROUPS IN THE $CP^3imes CP^2/Z_3imes Z'_3$ MODEL. International Journal of Modern Physics A, 1991, 06, 381-393. | 0.5 | 6 |
| 133 | Predictions from three-generation Calabi-Yau string theory. Physical Review D, 1990, 42, 2948-2951. | 1.6 | 8 |
| 134 | Proton decay in three-generation matter-parity-invariant superstring models. Physical Review Letters, 1989, 62, 2225-2228. | 2.9 | 46 |
| 135 | Matter-parity constraints on particle spectrum in three-generation Calabi-Yau manifolds. Physical Review D, 1989, 40, 191-199. | 1.6 | 23 |
| 136 | Matter parity, intermediate scale breaking, andsin2Î¸Win Calabi-Yau superstring models. Physical Review Letters, 1989, 62, 1437-1440. | 2.9 | 12 |
| 137 | Symmetry breaking in three-generation Calabi-Yau manifolds. Physical Review D, 1989, 39, 2006-2012. | 1.6 | 37 |
| 138 | Intermediate mass scale in rank-six superstring models. Physical Review Letters, 1988, 60, 1817-1820. | 2.9 | 24 |
| 139 | Limits on photino and squark masses from proton lifetime in supergravity models. Physical Review D, 1988, 38, 1479-1484. | 1.6 | 58 |
| 140 | WEAK GAUGINO PRODUCTION AT THE SSC. International Journal of Modern Physics A, 1987, 02, 1113-1120. | 0.5 | 15 |
| 141 | Supersymmetry signals in leptonic decays ofWandZbosons. Physical Review D, 1987, 35, 1085-1087. | 1.6 | 12 |
| 142 | Fourth generation and nucleon decay in supersymmetric theories. Physical Review D, 1987, 36, 3423-3428. | 1.6 | 4 |
| 143 | Probing the Four-Generation Kobayashi-Maskawa Matrix with Supergravity Proton Decay. Annals of the New York Academy of Sciences, 1987, 518, 337-343. | 1.8 | 1 |
| 144 | Supersymmetric ten-dimensional low-energy limit of superstring theory. Physical Review D, 1986, 34, 3769-3779. | 1.6 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Nucleon decay branching ratios in supergravity SU(5) GUTs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 156, 215-219. | 1.5 | 53 |
| 146 | Nucleon decay in supergravity unified theories. Physical Review D, 1985, 32, 2348-2358. | 1.6 | 143 |
| 147 | Supergravity and unification. AIP Conference Proceedings, 1984, , . | 0.3 | 0 |
| 148 | Gauge hierarchy in supergravity GUTS. Nuclear Physics B, 1983, 227, 121-133. | 0.9 | 236 |
| 149 | Masses of Superpartners of Quarks, Leptons, and Gauge Mesons in Supergravity Grand Unified Theories. Physical Review Letters, 1983, 50, 232-235. | 2.9 | 126 |
| 150 | Comment on effective-Lagrangian formulations of the U(1) axial anomaly. Physical Review D, 1982, 25, 595-600. | 1.6 | 4 |
| 151 | Locally Supersymmetric Grand Unification. Physical Review Letters, 1982, 49, 970-974. | 2.9 | 1,387 |
| 152 | U(1) problem: Current algebra and theÎ¸vacuum. Physical Review D, 1981, 23, 473-476. | 1.6 | 169 |
| 153 | Riemannian superspace reduction and supergravity geometry in superspace. , 1980, , . | | 0 |
| 154 | Superconnections in Extended Supergravity. Physical Review Letters, 1980, 44, 223-226. | 2.9 | 3 |
| 155 | Ultraviolet Finiteness of All Quantum Loops in Gauge Supersymmetry. Physical Review Letters, 1979, 42, 138-141. | 2.9 | 10 |
| 156 | Globally supersymmetric Green's functions in quantum gauge supersymmetry. Physica A: Statistical Mechanics and Its Applications, 1979, 96, 111-119. | 1.2 | 3 |
| 157 | Quantum effects on the vacuum symmetries of gauge supersymmetry. Physical Review D, 1978, 18, 2759-2767. | 1.6 | 6 |
| 158 | Origin of internal symmetry. Physical Review D, 1977, 15, 1033-1043. | 1.6 | 11 |
| 159 | Riemannian geometry in spaces with Grassman coordinates. General Relativity and Gravitation, 1976, 7, 89-103. | 0.7 | 44 |
| 160 | Spontaneous Symmetry Breaking of Gauge Supersymmetry. Physical Review Letters, 1976, 36, 1526-1529. | 2.9 | 29 |
| 161 | Generalized Potential for the Pion-Nucleon System. Physical Review, 1968, 166, 1532-1538. | 2.7 | 1 |
| 162 | Asymptotic Behavior of Form Factors. Physical Review, 1967, 160, 1406-1410. | 2.7 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Reggeized Bootstrap of theK*Meson. Physical Review, 1967, 163, 1815-1819. | 2.7 | 1 |
| 164 | Kronecker-Delta-Type Singularities and Reggeization. Physical Review, 1966, 142, 982-983. | 2.7 | 2 |
| 165 | Is the Nucleon aï€NBound State?. Physical Review, 1966, 152, 1254-1258. | 2.7 | 4 |
| 166 | Effect of an Inelastic Channel on the Position and Width of a Resonance. Physical Review, 1965, 138, B404-B407. | 2.7 | 3 |
| 167 | Multichannel Effective-Range Theory from theNDFormalism. Physical Review, 1965, 138, B702-B706. | 2.7 | 5 |
| 168 | Uncoupled-Phase Method in the MultichannelNDFormalism. Physical Review, 1965, 137, B711-B716. | 2.7 | 3 |
| 169 | Coupled-Channel Scattering with Complex Angular Momentum. Physical Review, 1965, 138, B726-B731. | 2.7 | 2 |
| 170 | The Uncoupled Phase Method for Interactions with Hard Cores. Physical Review, 1964, 133, B1085-B1089. | 2.7 | 5 |