

Jean Thierry-Mieg

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

33,817
citations

76326

40
h-index

82547

72
g-index

80
all docs

80
docs citations

80
times ranked

37659
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Initial sequencing and analysis of the human genome. <i>Nature</i> , 2001, 409, 860-921. | 27.8 | 21,074 |
| 2 | The MicroArray Quality Control (MAQC) project shows inter- and intraplatform reproducibility of gene expression measurements. <i>Nature Biotechnology</i> , 2006, 24, 1151-1161. | 17.5 | 1,927 |
| 3 | 2.2 Mb of contiguous nucleotide sequence from chromosome III of <i>C. elegans</i> . <i>Nature</i> , 1994, 368, 32-38. | 27.8 | 1,578 |
| 4 | A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium. <i>Nature Biotechnology</i> , 2014, 32, 903-914. | 17.5 | 883 |
| 5 | The MicroArray Quality Control (MAQC)-II study of common practices for the development and validation of microarray-based predictive models. <i>Nature Biotechnology</i> , 2010, 28, 827-838. | 17.5 | 795 |
| 6 | AceView: a comprehensive cDNA-supported gene and transcripts annotation. <i>Genome Biology</i> , 2006, 7, S12. | 9.6 | 537 |
| 7 | The <i>C. elegans</i> genome sequencing project: a beginning. <i>Nature</i> , 1992, 356, 37-41. | 27.8 | 518 |
| 8 | Telomerase activation by genomic rearrangements in high-risk neuroblastoma. <i>Nature</i> , 2015, 526, 700-704. | 27.8 | 478 |
| 9 | The concordance between RNA-seq and microarray data depends on chemical treatment and transcript abundance. <i>Nature Biotechnology</i> , 2014, 32, 926-932. | 17.5 | 420 |
| 10 | A survey of expressed genes in <i>Caenorhabditis elegans</i> . <i>Nature Genetics</i> , 1992, 1, 114-123. | 21.4 | 385 |
| 11 | A global analysis of <i>Caenorhabditis elegans</i> operons. <i>Nature</i> , 2002, 417, 851-854. | 27.8 | 329 |
| 12 | Comparison of RNA-seq and microarray-based models for clinical endpoint prediction. <i>Genome Biology</i> , 2015, 16, 133. | 8.8 | 325 |
| 13 | Analysis of Interleukin-21-Induced Prdm1 Gene Regulation Reveals Functional Cooperation of STAT3 and IRF4 Transcription Factors. <i>Immunity</i> , 2009, 31, 941-952. | 14.3 | 317 |
| 14 | A rat RNA-Seq transcriptomic BodyMap across 11 organs and 4 developmental stages. <i>Nature Communications</i> , 2014, 5, 3230. | 12.8 | 316 |
| 15 | WormBase: network access to the genome and biology of <i>Caenorhabditis elegans</i> . <i>Nucleic Acids Research</i> , 2001, 29, 82-86. | 14.5 | 290 |
| 16 | Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. <i>PLoS Biology</i> , 2004, 2, e162. | 5.6 | 290 |
| 17 | The Landscape of <i>C. elegans</i> 3' UTRs. <i>Science</i> , 2010, 329, 432-435. | 12.6 | 248 |
| 18 | The principle of BRS symmetry: An alternative approach to Yang-Mills theories. <i>Nuclear Physics B</i> , 1982, 197, 477-508. | 2.5 | 221 |

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|----|--|------|-----------|
| 19 | Magic-BLAST, an accurate RNA-seq aligner for long and short reads. BMC Bioinformatics, 2019, 20, 405. | 2.6 | 216 |
| 20 | Geometrical reinterpretation of Faddeev's "Popov ghost particles and BRS transformations. Journal of Mathematical Physics, 1980, 21, 2834-2838. | 1.1 | 179 |
| 21 | Detecting and correcting systematic variation in large-scale RNA sequencing data. Nature Biotechnology, 2014, 32, 888-895. | 17.5 | 174 |
| 22 | Using RNA sample titrations to assess microarray platform performance and normalization techniques. Nature Biotechnology, 2006, 24, 1123-1131. | 17.5 | 168 |
| 23 | 26G endo-siRNAs regulate spermatogenic and zygotic gene expression in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18674-18679. | 7.1 | 165 |
| 24 | Open-reading-frame sequence tags (OSTs) support the existence of at least 17,300 genes in <i>C. elegans</i> . Nature Genetics, 2001, 27, 332-336. | 21.4 | 159 |
| 25 | Shotgun transcriptome, spatial omics, and isothermal profiling of SARS-CoV-2 infection reveals unique host responses, viral diversification, and drug interactions. Nature Communications, 2021, 12, 1660. | 12.8 | 132 |
| 26 | Predictable dynamic program of timing of DNA replication in human cells. Genome Research, 2009, 19, 2288-2299. | 5.5 | 107 |
| 27 | BRS analysis of Zamolodchikov's spin 2 and 3 current algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 368-372. | 4.1 | 91 |
| 28 | Covariant quantization of non-Abelian antisymmetric tensor gauge theories. Nuclear Physics B, 1983, 228, 259-284. | 2.5 | 78 |
| 29 | RNA-Seq investigations of human post-mortem trigeminal ganglia. Cephalalgia, 2018, 38, 912-932. | 3.9 | 75 |
| 30 | Transcriptome sequencing of the Microarray Quality Control (MAQC) RNA reference samples using next generation sequencing. BMC Genomics, 2009, 10, 264. | 2.8 | 67 |
| 31 | The non-human primate reference transcriptome resource (NHPRTR) for comparative functional genomics. Nucleic Acids Research, 2013, 41, D906-D914. | 14.5 | 67 |
| 32 | Character formulas for irreducible modules of the Lie superalgebras $sl(m/n)$. Journal of Mathematical Physics, 1990, 31, 2278-2304. | 1.1 | 64 |
| 33 | Tissue-specific transcriptome sequencing analysis expands the non-human primate reference transcriptome resource (NHPRTR). Nucleic Acids Research, 2015, 43, D737-D742. | 14.5 | 61 |
| 34 | Scriptable Access to the <i>Caenorhabditis elegans</i> Genome Sequence and Other ACEDB Databases. Genome Research, 1998, 8, 1308-1315. | 5.5 | 61 |
| 35 | The H-Invitational Database (H-InvDB), a comprehensive annotation resource for human genes and transcripts. Nucleic Acids Research, 2007, 36, D793-D799. | 14.5 | 57 |
| 36 | Level one representations of the simple affine Kac-Moody algebras in their homogeneous gradations. Communications in Mathematical Physics, 1987, 111, 181-246. | 2.2 | 55 |

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|----|--|------|-----------|
| 37 | Itch-Associated Peptides: RNA-Seq and Bioinformatic Analysis of Natriuretic Precursor Peptide B and Gastrin Releasing Peptide in Dorsal Root and Trigeminal Ganglia, and the Spinal Cord. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-44. | 2.1 | 54 |
| 38 | Algebraic structure of quantum gravity and the classification of the gravitational anomalies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 145, 53-60. | 4.1 | 48 |
| 39 | let-756, a <i>C. elegans</i> fgf essential for worm development. <i>Oncogene</i> , 1999, 18, 6741-6747. | 5.9 | 47 |
| 40 | Large-scale identification and characterization of alternative splicing variants of human gene transcripts using 56 419 completely sequenced and manually annotated full-length cDNAs. <i>Nucleic Acids Research</i> , 2006, 34, 3917-3928. | 14.5 | 46 |
| 41 | A multi-omic analysis of human na ⁺ ve CD4+ T cells. <i>BMC Systems Biology</i> , 2015, 9, 75. | 3.0 | 43 |
| 42 | HIVE-Hexagon: High-Performance, Parallelized Sequence Alignment for Next-Generation Sequencing Data Analysis. <i>PLoS ONE</i> , 2014, 9, e99033. | 2.5 | 40 |
| 43 | Exterior gauging of an internal supersymmetry and SU(2/1) quantum asthenodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 7068-7072. | 7.1 | 35 |
| 44 | Dynorphin and Enkephalin Opioid Peptides and Transcripts in Spinal Cord and Dorsal Root Ganglion During Peripheral Inflammatory Hyperalgesia and Allodynia. <i>Journal of Pain</i> , 2020, 21, 988-1004. | 1.4 | 35 |
| 45 | Remarks concerning the E8 \tilde{A} - E8 and D16 string theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 156, 199-202. | 4.1 | 34 |
| 46 | The ACEDB Genome Database. , 1994, , 45-55. | | 32 |
| 47 | Extended geometric Supergravity on Group Manifolds with Spontaneous Fibration. <i>Annals of Physics</i> , 1979, 123, 247-273. | 2.8 | 31 |
| 48 | Transcriptomic profiling of rat liver samples in a comprehensive study design by RNA-Seq. <i>Scientific Data</i> , 2014, 1, 140021. | 5.3 | 30 |
| 49 | Geometrical gauge theory of ghost and Goldstone fields and of ghost symmetries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 720-723. | 7.1 | 26 |
| 50 | BRS structure of the antisymmetric tensor gauge theories. <i>Nuclear Physics B</i> , 1990, 335, 334-346. | 2.5 | 25 |
| 51 | Comprehensive Identification and Characterization of Human Secretome Based on Integrative Proteomic and Transcriptomic Data. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 299. | 3.7 | 25 |
| 52 | Soft-group-manifold Becchi-Rouet-Stora transformations and unitarity for gravity, supergravity, and extensions. <i>Physical Review D</i> , 1980, 22, 2371-2379. | 4.7 | 23 |
| 53 | Anomaly cancellation and fermionisation in 10-, 18- and 26-dimensional superstrings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 171, 163-169. | 4.1 | 21 |
| 54 | Cross-platform ultradeep transcriptomic profiling of human reference RNA samples by RNA-Seq. <i>Scientific Data</i> , 2014, 1, 140020. | 5.3 | 21 |

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|----|---|-----|-----------|
| 55 | Cross-oncopanel study reveals high sensitivity and accuracy with overall analytical performance depending on genomic regions. <i>Genome Biology</i> , 2021, 22, 109. | 8.8 | 20 |
| 56 | Impact of RNA-seq data analysis algorithms on gene expression estimation and downstream prediction. <i>Scientific Reports</i> , 2020, 10, 17925. | 3.3 | 18 |
| 57 | AceDB: a genome database management system. <i>Computing in Science and Engineering</i> , 1999, 1, 44-52. | 1.2 | 17 |
| 58 | BBS algebra of the SU(2/1) electroweak ghost-gauge theory. <i>Il Nuovo Cimento A</i> , 1982, 71, 104-118. | 0.2 | 16 |
| 59 | Sequence Assembly with CAFTOOLS. <i>Genome Research</i> , 1998, 8, 260-267. | 5.5 | 16 |
| 60 | Ghost-creating gauges in Yang-Mills theory. <i>Nuclear Physics B</i> , 1985, 261, 55-65. | 2.5 | 15 |
| 61 | The Genome of the Nematode <i>Caenorhabditis elegans</i> . <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1993, 58, 367-376. | 1.1 | 15 |
| 62 | Anomaly-free sequential superunification. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982, 108, 399-402. | 4.1 | 14 |
| 63 | On a new class of gauge transformations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 144, 221-227. | 4.1 | 13 |
| 64 | Irreducible representations of the Lie superalgebras. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 138, 393-396. | 4.1 | 13 |
| 65 | JADE: An approach for interconnecting bioinformatics databases. <i>Gene</i> , 1998, 209, GC39-GC43. | 2.2 | 8 |
| 66 | Scalar anomaly cancellation reveals the hidden superalgebraic structure of the quantum chiral SU(2/1) model of leptons and quarks. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 4.7 | 6 |
| 67 | SU(2/1) superchiral self-duality: a new quantum, algebraic and geometric paradigm to describe the electroweak interactions. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 5 |
| 68 | SU-supergravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 101, 393-395. | 4.1 | 4 |
| 69 | The ghost spectrum of supergravity is not OSP(1) supersymmetric. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 129, 36-38. | 4.1 | 4 |
| 70 | Bosonic Kac-Moody string theories. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 185, 65-72. | 4.1 | 4 |
| 71 | Chirality, a new key for the definition of the connection and curvature of a Lie-Kac superalgebra. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 4 |
| 72 | Generalization of the Sugawara Construction. <i>NATO ASI Series Series B: Physics</i> , 1988, , 567-575. | 0.2 | 4 |

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|----|---|-----|-----------|
| 73 | Pseudoinvariant gauge Lagrangians: Gravity and supergravity. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÀ Italiana Di Fisica, 1978, 23, 489-493. | 0.4 | 3 |
| 74 | ACEDB: The Ace Database Manager. , 2002, , 265-278. | | 1 |
| 75 | Chiral-Yang-Mills theory, non commutative differential geometry, and the need for a Lie super-algebra. Journal of High Energy Physics, 2006, 2006, 038-038. | 4.7 | 0 |
| 76 | SU(2/1) SUPER-UNIFICATION OF THE STANDARD MODEL AND NON COMMUTATIVE GEOMETRY. World Scientific Series in 20th Century Physics, 2006, , 317-409. | 0.0 | 0 |
| 77 | A Lagrangian for SU(2/1) Quantum Asthenodynamics. , 1984, , 101-114. | | 0 |
| 78 | Connections between physics, mathematics, and deep learning. Letters in High Energy Physics, 2019, 2, . | 1.0 | 0 |