

A S Lewin

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,717
citations

257450

24
h-index

254184

43
g-index

44
all docs

44
docs citations

44
times ranked

1885
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Ribozyme rescue of photoreceptor cells in a transgenic rat model of autosomal dominant retinitis pigmentosa. <i>Nature Medicine</i> , 1998, 4, 967-971. | 30.7 | 396 |
| 2 | Restoration of visual function in P23H rhodopsin transgenic rats by gene delivery of BiP/Grp78. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5961-5966. | 7.1 | 265 |
| 3 | Gene therapy rescues photoreceptor blindness in dogs and paves the way for treating human X-linked retinitis pigmentosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2132-2137. | 7.1 | 237 |
| 4 | Ribozyme rescue of photoreceptor cells in P23H transgenic rats: Long-term survival and late-stage therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11488-11493. | 7.1 | 195 |
| 5 | Gene delivery to mitochondria by targeting modified adenoassociated virus suppresses Leber's hereditary optic neuropathy in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1238-47. | 7.1 | 153 |
| 6 | [48] Production and purification of recombinant adeno-associated virus. <i>Methods in Enzymology</i> , 2000, 316, 743-761. | 1.0 | 152 |
| 7 | Citrate synthase encoded by the CIT2 gene of <i>Saccharomyces cerevisiae</i> is peroxisomal.. <i>Molecular and Cellular Biology</i> , 1990, 10, 1399-1405. | 2.3 | 121 |
| 8 | Cytoplasmically made subunits of yeast mitochondrial F1-ATPase and cytochrome c oxidase are synthesized as individual precursors, not as polyproteins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 3998-4002. | 7.1 | 111 |
| 9 | Ribozyme gene therapy: applications for molecular medicine. <i>Trends in Molecular Medicine</i> , 2001, 7, 221-228. | 6.7 | 106 |
| 10 | Preservation of photoreceptor morphology and function in P23H rats using an allele independent ribozyme. <i>Experimental Eye Research</i> , 2007, 84, 44-52. | 2.6 | 85 |
| 11 | rAAV2/5 gene-targeting to rods:dose-dependent efficiency and complications associated with different promoters. <i>Gene Therapy</i> , 2010, 17, 1162-1174. | 4.5 | 70 |
| 12 | Suppression of mouse rhodopsin expression in vivo by AAV mediated siRNA delivery. <i>Vision Research</i> , 2007, 47, 1202-1208. | 1.4 | 61 |
| 13 | Citrate synthase encoded by the CIT2 gene of <i>Saccharomyces cerevisiae</i> is peroxisomal. <i>Molecular and Cellular Biology</i> , 1990, 10, 1399-1405. | 2.3 | 58 |
| 14 | Ribozyme-targeted destruction of RNA associated with autosomal-dominant retinitis pigmentosa. <i>Investigative Ophthalmology and Visual Science</i> , 1998, 39, 681-9. | 3.3 | 53 |
| 15 | LHON Gene Therapy Vector Prevents Visual Loss and Optic Neuropathy Induced by G11778A Mutant Mitochondrial DNA: Biodistribution and Toxicology Profile. <i>Investigative Ophthalmology and Visual Science</i> , 2014, 55, 7739-7753. | 3.3 | 52 |
| 16 | Autocatalytic activities of intron 5 of the cob gene of yeast mitochondria.. <i>Molecular and Cellular Biology</i> , 1988, 8, 2562-2571. | 2.3 | 44 |
| 17 | Ribozyme uses in retinal gene therapy. <i>Progress in Retinal and Eye Research</i> , 2000, 19, 689-710. | 15.5 | 37 |
| 18 | Extramitochondrial citrate synthase activity in bakers' yeast.. <i>Molecular and Cellular Biology</i> , 1986, 6, 488-493. | 2.3 | 34 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Gene Augmentation for adRP Mutations in RHO. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a017400-a017400. | 6.2 | 33 |
| 20 | Reduction in Preretinal Neovascularization by Ribozymes That Cleave the A 2B Adenosine Receptor mRNA. Circulation Research, 2003, 93, 500-506. | 4.5 | 32 |
| 21 | Submitochondrial localization, cell-free synthesis, and mitochondrial import of 2-isopropylmalate synthase of yeast.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 1270-1274. | 7.1 | 31 |
| 22 | Alternative topogenic signals in peroxisomal citrate synthase of Saccharomyces cerevisiae.. Molecular and Cellular Biology, 1992, 12, 5593-5599. | 2.3 | 29 |
| 23 | Ribozyme Gene Therapy for Autosomal Dominant Retinal Disease. Clinical Chemistry and Laboratory Medicine, 2000, 38, 147-53. | 2.3 | 28 |
| 24 | Assembly of F1-ATPase in isolated mitochondria.. Journal of Biological Chemistry, 1983, 258, 6750-6755. | 3.4 | 27 |
| 25 | Splicing of COB intron 5 requires pairing between the internal guide sequence and both flanking exons.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8192-8196. | 7.1 | 23 |
| 26 | Cotranscriptional Splicing of a Group I Intron Is Facilitated by the Cbp2 Protein. Molecular and Cellular Biology, 1995, 15, 6971-6978. | 2.3 | 22 |
| 27 | Protein-induced Folding of a Group I Intron in Cytochrome b Pre-mRNA. Journal of Biological Chemistry, 1995, 270, 21552-21562. | 3.4 | 22 |
| 28 | Autocatalytic Activities of Intron 5 of the <i>cob</i> Gene of Yeast Mitochondria. Molecular and Cellular Biology, 1988, 8, 2562-2571. | 2.3 | 22 |
| 29 | Assembly of F1-ATPase in isolated mitochondria. Journal of Biological Chemistry, 1983, 258, 6750-5. | 3.4 | 22 |
| 30 | Extramitochondrial citrate synthase activity in bakers' yeast. Molecular and Cellular Biology, 1986, 6, 488-493. | 2.3 | 21 |
| 31 | The Cbp2 Protein Stimulates the Splicing of the \hat{A} Intron of Yeast Mitochondria. Nucleic Acids Research, 1997, 25, 1597-1604. | 14.5 | 20 |
| 32 | Derepression of citrate synthase in Saccharomyces cerevisiae may occur at the level of transcription.. Molecular and Cellular Biology, 1984, 4, 247-253. | 2.3 | 19 |
| 33 | The rate and specificity of a group I ribozyme are inversely affected by choice of monovalent salt. Nucleic Acids Research, 1991, 19, 605-609. | 14.5 | 19 |
| 34 | Gene Augmentation for X-Linked Retinitis Pigmentosa Caused by Mutations in RPGR. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a017392-a017392. | 6.2 | 19 |
| 35 | An allele-specific hammerhead ribozyme gene therapy for a porcine model of autosomal dominant retinitis pigmentosa. Molecular Vision, 2001, 7, 6-13. | 1.1 | 19 |
| 36 | Anti-clarin-1 AAV-delivered ribozyme induced apoptosis in the mouse cochlea. Hearing Research, 2007, 230, 9-16. | 2.0 | 14 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | [49] Ribozymes in treatment of inherited retinal disease. <i>Methods in Enzymology</i> , 2000, 316, 761-776. | 1.0 | 12 |
| 38 | Mutational evidence for competition between the P1 and the P10 helices of a mitochondrial group I intron. <i>Nucleic Acids Research</i> , 1992, 20, 2349-2353. | 14.5 | 11 |
| 39 | Derepression of Citrate Synthase in <i>Saccharomyces cerevisiae</i> May Occur at the Level of Transcription. <i>Molecular and Cellular Biology</i> , 1984, 4, 247-253. | 2.3 | 11 |
| 40 | Nuclear and mitochondrial revertants of a mitochondrial mutant with a defect in the ATP synthetase complex. <i>Molecular Genetics and Genomics</i> , 1987, 207, 106-113. | 2.4 | 9 |
| 41 | The Cbp2 protein suppresses splice site mutations in a group I intron. <i>Nucleic Acids Research</i> , 1996, 24, 3415-3423. | 14.5 | 8 |
| 42 | Alternative Topogenic Signals in Peroxisomal Citrate Synthase of <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1992, 12, 5593-5599. | 2.3 | 7 |
| 43 | An RNA Binding Motif in the Cbp2 Protein Required for Protein-stimulated RNA Catalysis. <i>Journal of Biological Chemistry</i> , 1999, 274, 30393-30401. | 3.4 | 6 |
| 44 | Inhibition of Gene Expression by Ribozymes William W. Hauswirth, Lynn C. Shaw, Patrick O. Whalen, Jason J. Fritz, , 2001, 47, 105-124. | | 1 |