# Oren Ostersetzer-Biran

List of Publications by Year
in descending order



| 28 | 1,465 | 516710 16 | 552781 26 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 914 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Plant organellar RNA editing: what 30Âyears of research has revealed. Plant Journal, 2020, 101, 1040-1056. | 5.7 | 193 |
| 2 | AtnMat2, a nuclear-encoded maturase required for splicing of group-II introns in Arabidopsis mitochondria. Rna, 2009, 15, 2299-2311. | 3.5 | 142 |
| 3 | nMAT1, a nuclearâ€encoded maturase involved in the transâ€splicing of nad1 intron 1, is essential for mitochondrial complex I assembly and function. Plant Journal, 2012, 71, 413-426. | 5.7 | 133 |
| 4 | Group II intron splicing factors in plant mitochondria. Frontiers in Plant Science, 2014, 5, 35. | 3.6 | 125 |
| 5 | n<scp>MAT</scp>4, a maturase factor required for nad1 preâ€m<scp>RNA</scp> processing and maturation, is essential for holocomplexÂ<scp>I</scp> biogenesis in <scp>A</scp>rabidopsis mitochondria. Plant Journal, 2014, 78, 253-268. | 5.7 | 110 |
| 6 | A PORR domain protein required for rpl2 and ccmF<sub>C</sub> intron splicing and for the biogenesis of câ€type cytochromes in Arabidopsis mitochondria. Plant Journal, 2012, 69, 996-1005. | 5.7 | 99 |
| 7 | m<scp>CSF</scp>1, a nucleusâ€encoded <scp>CRM</scp> protein required for the processing of many mitochondrial introns, is involved in the biogenesis of respiratory complexes <scp>I</scp> and <scp>IV</scp> in <scp>A</scp>rabidopsis. New Phytologist, 2013, 199, 379-394. | 7.3 | 98 |
| 8 | The Reverse Transcriptase/RNA Maturase Protein MatR Is Required for the Splicing of Various Group II Introns in Brassicaceae Mitochondria. Plant Cell, 2016, 28, 2805-2829. | 6.6 | 91 |
| 9 | Comparative analysis of 11 Brassicales mitochondrial genomes and the mitochondrial transcriptome of Brassica oleracea. Mitochondrion, 2014, 19, 135-143. | 3.4 | 81 |
| 10 | Organellar maturases: A window into the evolution of the spliceosome. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 798-808. | 1.0 | 72 |
| 11 | Photosynthetic activity during olive (Olea europaea) leaf development correlates with plastid biogenesis and Rubisco levels. Physiologia Plantarum, 2008, 134, 547-558. | 5.2 | 49 |
| 12 | Control of organelle gene expression by the mitochondrial transcription termination factor mTERF22 in Arabidopsis thaliana plants. PLoS ONE, 2018, 13, e0201631. | 2.5 | 37 |
| 13 | Characterization of the Molecular Basis of Group II Intron RNA Recognition by CRS1-CRM Domains. Journal of Biological Chemistry, 2008, 283, 23333-23342. | 3.4 | 34 |
| 14 | Analysis of the Roles of the Arabidopsis nMAT2 and PMH2 Proteins Provided with New Insights into the Regulation of Group II Intron Splicing in Land-Plant Mitochondria. International Journal of Molecular Sciences, 2017, 18, 2428. | 4.1 | 34 |
| 15 | Topologies of N<sup>6</sup>â€adenosine methylation (m<sup>6</sup>A) in land plant mitochondria and their putative effects on organellar gene expression. Plant Journal, 2020, 101, 1269-1286. | 5.7 | 26 |
| 16 | Expression of Mitochondrial Gene Fragments within the Tapetum Induce Male Sterility by Limiting the Biogenesis of the Respiratory Machinery in Transgenic Tobacco<sup>F</sup>. Journal of Integrative Plant Biology, 2012, 54, 115-130. | 8.5 | 24 |
| 17 | Why so Complex? The Intricacy of Genome Structure and Gene Expression, Associated with Angiosperm Mitochondria, May Relate to the Regulation of Embryo Quiescence or Dormancyâ€”Intrinsic Blocks to Early Plant Life. Plants, 2020, 9, 598. | 3.5 | 20 |
| 18 | Respiratory complex I and embryo development. Journal of Experimental Botany, 2016, 67, 1205-1207. | 4.8 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | nMAT3 is an essential maturase splicing factor required for holoâ€¢complexÂI biogenesis and embryo development in Arabidopsis thaliana plants. Plant Journal, 2021, 106, 1128-1147. | 5.7 | 15 |
| 20 | Mitochondrial Pentatricopeptide Repeat Protein, EMB2794, Plays a Pivotal Role in NADH Dehydrogenase Subunit nad2 mRNA Maturation in Arabidopsis thaliana. Plant and Cell Physiology, 2020, 61, 1080-1094. | 3.1 | 12 |
| 21 | The Phytotoxicity of Meta-Tyrosine Is Associated With Altered Phenylalanine Metabolism and Misincorporation of This Non-Proteinogenic Phe-Analog to the Plant's Proteome. Frontiers in Plant Science, 2020, 11, 140. | 3.6 | 11 |
| 22 | Aminoacyl-tRNA synthetases and translational quality control in plant mitochondria. Mitochondrion, 2020, 54, 15-20. | 3.4 | 6 |
| 23 | The complete plastid genome sequence and the photosynthetic activity of the putative mycoheterotrophic orchid Limodorum abortivum. Israel Journal of Plant Sciences, 2019, 66, 69-88. | 0.5 | 4 |
| 24 | Group II Intron-Encoded Proteins (IEPs/Maturases) as Key Regulators of Nad1 Expression and Complex I Biogenesis in Land Plant Mitochondria. Genes, 2022, 13, 1137. | 2.4 | 4 |
| 25 | RNA METABOLISM AND TRANSCRIPT REGULATION. , 0, , 143-183. | | 3 |
| 26 | MISF2 Encodes an Essential Mitochondrial Splicing Cofactor Required for nad2 mRNA Processing and Embryo Development in Arabidopsis thaliana. International Journal of Molecular Sciences, 2022, 23, 2670. | 4.1 | 3 |
| 27 | The First Mitochondrial Genomics and Evolution SMBE-Satellite Meeting: A New Scientific Symbiosis. Genome Biology and Evolution, 2017, 9, 3054-3058. | 2.5 | 0 |
| 28 | PLANT MITOCHONDRIA GROUP INTRONS SPLICING: A WINDOW INTO THE EVOLUTION OF THE NUCLEAR SPLICEOSOMAL MACHINERIES. , 2018, , . | | 0 |