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- Artal-Sanz M, Tavemarakis N. Prohibitin couples diapause signalling to mitochondrial metabolism during ageing in *C. elegans*. *Nature*, 2009, 461, 793–797
- Atsumi S, Higashide W, Liao JC. Direct photosynthetic recycling of carbon dioxide to isobutyraldehyde. *Nature Biotechnology*, 2009, 27, 1177–1180
- Reversade B, Escande-Beillard N, Dimopoulou A, etc. Mutations in PYCR1 cause cutis laxa with progeroid features. *Nature Genetics*, 2009, 41, 1016–1021
- Gao P, Tchemyshyou I, Chang TC, etc. c-Myc suppression of miR-23a/b enhances mitochondrial glutaminase expression and glutamine metabolism. *Nature*, 2009, 58, 762–765
- Du H, Guo L, Fang F, etc. Cyclophilin D deficiency attenuates mitochondrial and neuronal perturbation and ameliorates learning and memory in Alzheimer's disease. *Nature Medicine*, 2009, 14, 1097–1105
- Papandreou I, Lim AL, Laderoute K. Hypoxia signals autophagy in tumor cells via AMPK activity, independent of HIF-1, BNIP3, and BNIP3L. *Cell Death and Differentiation*, 2008, 15, 1572–1581 (IF:9.05)
- Ulanovskaya CA, Janjic J, Suzuki M, etc. Synthesis enables identification of the cellular target of leucascandrolide A and neopeltolide. *Nature Chemical Biology*, 2008, 4, 418–424
- Shutova T, Kenneweg H, Buchta J, etc. The photosystem II-associated Cah3 in Chlamydomonas enhances the O₂ evolution rate by proton removal. *The EMBO Journal*, 2008, 27, 782–791 (IF:10.1)
- Chen ZX, Pervaiz. Bcl-2 induces pro-oxidant state by engaging mitochondrial respiration in tumor cells. *Cell Death and Differentiation*, 2007, 14, 1617–1627
- Estaquier J, Arnoult D. Inhibiting Drp1-mediated mitochondrial fission selectively prevents the release of cytochrome c during apoptosis. *Cell Death and Differentiation*, 2007, 14, 1086–1094
- Frezza C, Cipolat S, Scorrano L. Organelle isolation: functional mitochondria from mouse liver, muscle and cultured fibroblast. *Nature Protocols*, 2007, 2, 287–295
- Barneche F, Winter V, Crèvecoeur M, etc. ATAB2 is a novel factor in the signalling pathway of light-controlled synthesis of photosystem proteins. *The EMBO Journal*, 2006, 25, 5907–5918
- Moreno-Loshuertos R, Acín-Pérez R, Fernández-Silva P, etc. Differences in reactive oxygen species production explain the phenotypes associated with common mouse mitochondrial DNA variants. *Nature Genetics*, 2006, 38, 1261–1268



Borgne-Sanchez A, Dupont S, Langonné A, Targeted Vpr-derived peptides reach mitochondria to induce apoptosis of α V β 3-expressing endothelial cell. *Cell Death and Differentiation*, 2005, 14, 422–435

Almsherq Z, McLachlan CS, Slocinska MB, etc. Reduced cardiac output is associated with decreased mitochondrial efficiency in the non-ischemic ventricular wall of the acute myocardial-infarcted dog. *Cell Research*, 2006, 16, 297–305(IF:8.1)

Schmidt-Mende J, Gogvadze V, Hellström-Lindberg E, etc. Early mitochondrial alterations in ATRA-induced cell death. *Cell Death and Differentiation*, 2005, 13, 119–128

Vahsen N, Candé C, Brière JJ, etc. AIF deficiency compromises oxidative phosphorylation. *The EMBO Journal*, 2004, 23, 4679–4689

Carvalho ACP, Sharpe J, Rosenstock TR, etc. Bax affects intracellular Ca²⁺ stores and induces Ca²⁺ wave propagation. *Cell Death and Differentiation*, 2004, 11, 1265–1276

Strzepek PF, Harrison PJ. Photosynthetic architecture differs in coastal and oceanic diatoms. *Nature*, 2004, 431, 689–692

Niggeweg R, Michael AJ, Martin C. Engineering plants with increased levels of the antioxidant chlorogenic acid. *Nature Biotechnology*, 2004, 22, 746–754

Danial NN, Gramm CF, Scorrano L, etc. BAD and glucokinase reside in a mitochondrial complex that integrates glycolysis and apoptosis. *Nature*, 2003, 424, 952–956

Lee SS, Lee RYN, Fraser AG, etc. A systematic RNAi screen identifies a critical role for mitochondria in *C. elegans* longevity. *Nature Genetics*, 2002, 33, 40–48

Glieder A, Farinas ET, Arnold FH. Laboratory evolution of a soluble, self-sufficient, highly active alkane hydroxylase. *Nature Biotechnology*, 2002, 20, 1135–1139

Villarejo A, Shutova T, Moskvin O, etc. A photosystem II-associated carbonic anhydrase regulates the efficiency of photosynthetic oxygen evolution. *The EMBO Journal*, 2002, 21, 1930–1938

Kimata-Ariga Y, Matsumura T, Kada S, etc. Differential electron flow around photosystem I by two C4-photosynthetic-cell-specific ferredoxins. *The EMBO Journal*, 2000, 19, 5041–5050

Boudreau E, Nickelsen J, Lemaire SD, etc. The Nac2 gene of *Chlamydomonas* encodes a chloroplast TPR-like protein involved in psbD mRNA stability. *The EMBO Journal*, 2000, 19, 3366–3376

Li YP, Björkman O, Shih C, etc. A pigment-binding protein essential for regulation of photosynthetic light harvesting. *Nature*, 2000, 403, 391–395

Kuzmenko A, Tonkov S, English BP, etc. Single molecule tracking fluorescence microscopy in mitochondria reveals highly dynamic but confined movement of Tom40. *Scientific Reports*, 2011.

Lifshitz J, Friberg H, Neumar RW, etc. Structural and Functional Damage Sustained by Mitochondria After Traumatic Brain Injury in the Rat: Evidence for Differentially Sensitive Populations



- in the Cortex and Hippocampus. *Journal of Cerebral Blood Flow & Metabolism*, 2003, 23, 219–231
- Dave KR, Saul I, Bustos R, etc. Ischemic Preconditioning Preserves Mitochondrial Function After Global Cerebral Ischemia in Rat Hippocampus. *Journal of Cerebral Blood Flow & Metabolism*, 2001, 21, 1401–1410
- Haut S, de Villemeur TB, Brivet M, etc. The deleterious G15498A mutation in mitochondrial DNA-encoded cytochrome b may remain clinically silent in homoplasmic carriers. *European Journal of Human Genetics*, 2004, 12, 220–224
- VINCENT A S, LIM BG, TAN J, etc. Sulfite-mediated oxidative stress in kidney cells. *European Journal of Human Genetics*, 2004, 12, 220–224
- Flierl A, Chen Y, Coskun PE, etc. Adeno-associated virus-mediated gene transfer of the heart/muscle adenine nucleotide translocator (ANT) in mouse. *Gene Therapy*, 2005, 12, 570–578
- Berneburg M, Gremmel T, Kürten V, etc. Creatine Supplementation Normalizes Mutagenesis of Mitochondrial DNA as Well as Functional Consequences. *Journal of Investigative Dermatology*, 2005, 125, 213–220
- Hakkaart GA, Dassa EP, Jacobs HT, etc. Allotopic expression of a mitochondrial alternative oxidase confers cyanide resistance to human cell respiration. *EMBO reports*, 2005, 7, 341–345
- Singh IN, Sullivan PG, Deng Y, Time course of post-traumatic mitochondrial oxidative damage and dysfunction in a mouse model of focal traumatic brain injury: implications for neuroprotective therapy. *Journal of Cerebral Blood Flow & Metabolism*, 2006, 26, 1407–1418
- Salerno AG, Silva TR, Amaral MEC, etc. Overexpression of apolipoprotein CIII increases and CETP reverses diet-induced obesity in transgenic mice. *International Journal of Obesity*, 2007, 31, 1586–1595
- Chanséaume E, Tardy AL, Salles J, etc. Chronological Approach of Diet-induced Alterations in Muscle Mitochondrial Functions in Rats. *Obesity*, 2007, 15, 50–59
- Hornig-Do HT, von Kleist-Retzow JC, Lanz K, etc. Human Epidermal Keratinocytes Accumulate Superoxide Due to Low Activity of Mn-SOD, Leading to Mitochondrial Functional Impairment. *Journal of Investigative Dermatology*, 2006, 127, 1084–1093
- Alexeyev M F, Venediktova N, Pastukh V, etc. Selective elimination of mutant mitochondrial genomes as therapeutic strategy for the treatment of NARP and MILS syndromes. *Gene Therapy*, 2008, 15, 516–523
- Schroeder P, Gremmel T, Berneburg M. Partial Depletion of Mitochondrial DNA from Human Skin Fibroblasts Induces a Gene Expression Profile Reminiscent of Photoaged Skin. *Journal of Cerebral Blood Flow & Metabolism*, 2008, 28, 1114–1126
- Deng-Bryant Y, Singh IN, Carrico KM, etc. Neuroprotective effects of tempol, a catalytic scavenger of peroxynitrite-derived free radicals, in a mouse traumatic brain injury model. *Journal of Cerebral Blood Flow & Metabolism*, 2008, 28, 1114–1126



Ashley n, Poulton J. Anticancer DNA intercalators cause p53-dependent mitochondrial DNA nucleoid re-modelling. *Oncogene*, 2009, 28, 3880–3891 (IF:7.4)

Ohkouchi S, Block GJ, Katsha AM, etc. Mesenchymal Stromal Cells Protect Cancer Cells From ROS-induced Apoptosis and Enhance the Warburg Effect by Secreting STC1. *Molecular Therapy*, 2011, 259

Niatsetskaya Z, Chariagoria P, Matsukevich DA, etc. Mild hypoxemia during initial reperfusion alleviates the severity of secondary energy failure and protects brain in neonatal mice with hypoxic-ischemic injury. *Journal of Cerebral Blood Flow & Metabolism*, 2011, 164.

Zhang J, Khvorostov I, Hong JS, etc. UCP2 regulates energy metabolism and differentiation potential of human pluripotent stem cells. *The EMBO Journal*. 2011, 30: 4860–4873

Sayed SME, EI-Magd RMA, Shishido Y, etc. D-amino acid oxidase gene therapy sensitizes glioma cells to the antiglycolytic effect of 3-bromopyruvate. *Cancer Gene Therapy*, 2011, 19, 1–18

Wagner IV, Perwitz N, Drenckhan M, etc. Cannabinoid type 1 receptor mediates depot-specific effects on differentiation, inflammation and oxidative metabolism in inguinal and epididymal white adipocytes. *Nutrition and Diabetes*, 2011.

Hu YM, Lu Wq, Chen G, etc. K-rasG12V transformation leads to mitochondrial dysfunction and a metabolic switch from oxidative phosphorylation to glycolysis. *Cell Research*, 2011.

Miiinor RK, Baur JA, Gomes AP, etc.. SRT1720 improves survival and healthspan of obese mice. *Scientific Reports*. 2011.

Massle CE, Lynch A, Ramos-Montoya A, etc. The androgen receptor fuels prostate cancer by regulating central metabolism and biosynthesis. *The EMBO Journal*, 2011, 30, 2719–2733

Chen Z, Li Y, Zhang H, etc. Hypoxia-regulated microRNA-210 modulates mitochondrial function and decreases ISCU and COX10 expression. *Oncogene*, 2010, 29, 4362–4368

Mckeller MR, Herrera Rodriguez S, Ma W, etc. Vital function of PRELI and essential requirement of its LEA motif. *Cell Death and Disease*, 2010

Lee GH, Yan C, Shin SJ, etc. BAX inhibitor-1 enhances cancer metastasis by altering glucose metabolism and activating the sodium-hydrogen exchanger: the alteration of mitochondrial function. *Oncogene*, 2010, 29, 2130–2141

Zuin A, Carmona M, Morales-lovorra I, etc. Lifespan extension by calorie restriction relies on the Sty1 MAP kinase stress pathway. *The EMBO Journal*, 2010, 29, 981–991

Wang CX, Huang ZY, Du Y, etc. ATF4 regulates lipid metabolism and thermogenesis. *Cell Research*, 2010, 20, 174–184

Johnson X, Wostrikoff K, Finazzi G, etc. MRL1, a Conserved Pentatricopeptide Repeat Protein, Is Required for Stabilization of rbcL mRNA in Chlamydomonas and Arabidopsis. *Plant Cell*, 2010, 22: 234 – 248



Bermudez MA, Paez-Ochoa MA, Gotor C, etc. Arabidopsis S-Sulfocysteine Synthase Activity Is Essential for Chloroplast Function and Long-Day Light-Dependent Redox Control. *Plant Cell*, 2010, 22: 403–416

Shen WY, Wei YD, Dauk M, etc. Involvement of a Glycerol-3-Phosphate Dehydrogenase in Modulating the NADH/NAD1 Ratio Provides Evidence of a Mitochondrial Glycerol-3-Phosphate Shuttle in Arabidopsis. *Plant Cell*, 2006, 18: 422–441

Srcina M, Bouzovitis N, Mullineaux. Mobilization of Photosystem II Induced by Intense Red Light in the Cyanobacterium *Synechococcus* sp PCC7942. *Plant Cell*, 2006, 18: 457–464

Araujo WL, Nunes-Nesi A, Osorio S, etc. Antisense Inhibition of the Iron-Sulphur Subunit of Succinate Dehydrogenase Enhances Photosynthesis and Growth in Tomato via an Organic Acid-Mediated Effect on Stomatal Aperture. *Plant Cell*, 2011, 23: 600–627

Bechtold U, Murphy DJ, Mullineaux PM. Arabidopsis PeptideMethionine Sulfoxide Reductase2 Prevents Cellular Oxidative Damage in Long Nights. *Plant Cell*, 2004, 16: 908–919

Seo S, Okamoto M, Iwai T, etc. Reduced Levels of Chloroplast FtsH Protein in Tobacco Mosaic Virus - Infected Tobacco Leaves Accelerate the Hypersensitive Reaction. *Plant Cell*, 2000, 14: 917–932

Baroli I, Do AD, Yamane T, etc. Zeaxanthin Accumulation in the Absence of a Functional Xanthophyll Cycle Protects *Chlamydomonas reinhardtii* from Photooxidative Stress. *Plant Cell*, 2003, 15: 992–1008

Yabe T, Morimoto K, Kikuchi S, etc. The Arabidopsis Chloroplastic NifU-Like Protein CnfU, Which Can Act as an Iron-Sulfur Cluster Scaffold Protein, Is Required for Biogenesis of Ferredoxin and Photosystem I. *Plant Cell*, 2004, 16: 993–1007

Bianchi S, Dall'osto L, Tognon G, etc. Minor Antenna Proteins CP24 and CP26 Affect the Interactions between Photosystem II Subunits and the Electron Transport Rate in Grana Membranes of Arabidopsis. *Plant Cell*, 2008, 20: 1012–1028

Yang XY, Chen ZW, Vu T, etc. Arabidopsis Kinesin KP1 Specifically Interacts with VDAC3, a Mitochondrial Protein, and Regulates Respiration during Seed Germination at Low Temperature. *Plant Cell*, 2011, 23: 1093–1106

Yoshioka S, Taniguchi F, Miura K, etc. The Novel Myb Transcription Factor LCR1 Regulates the CO₂-Responsive Gene Cah1, Encoding a Periplasmic Carbonic Anhydrase in *Chlamydomonas reinhardtii*. *Plant Cell*, 2004, 16: 1466–1477

Im YJ, Perera IY, Brglez I, etc. Increasing Plasma Membrane Phosphatidylinositol (4,5)Bisphosphate Biosynthesis Increases Phosphoinositide Metabolism in *Nicotiana tabacum*. *Plant Cell*, 2007, 19: 1603–1616

Elrad D, Niyogi KK, Grossman AR, etc. A Major Light-Harvesting Polypeptide of Photosystem II Functions in Thermal Dissipation. *Plant Cell*, 2002, 14: 1801–1816



- Balk J, Leaver C. The PET1-CMS Mitochondrial Mutation in Sunflower Is Associated with Premature Programmed Cell Death and Cytochrome c Release. *Plant Cell*, 2001, 13: 1803–1808
- Pesaresi P, Gardner NA, Masiero S, etc. Cytoplasmic N-Terminal Protein Acetylation Is Required for Efficient Photosynthesis in Arabidopsis. *Plant Cell*, 2003, 15: 1717–1832
- Perez-Ruiz JM, Spinola MC, Kirchsteiger K, etc. Rice NTRC Is a High-Efficiency Redox System for Chloroplast Protection against Oxidative Damage. *Plant Cell*, 2006, 18: 2356–2366
- Kuhn K, Richter U, Meyer EH, etc. Phage-Type RNA Polymerase RPOTmp Performs Gene-Specific Transcription in Mitochondria of *Arabidopsis thaliana*. *Plant Cell*, 2009, 18: 2762–2779
- Ohnishi N, Mukerjee B, Tsujikawa T, etc. Expression of a Low CO₂ - Inducible Protein, LCI1, Increases Inorganic Carbon Uptake in the Green Alga *Chlamydomonas reinhardtii*. *Plant Cell*, 2010, 22: 3105–3117
- Deeken R, Engelmann JC, Efetova M, etc. An Integrated View of Gene Expression and Solute Profiles of *Arabidopsis* Tumors: A Genome-Wide Approach. *Plant Cell*, 2006, 18: 3617–3634
- Graham JWA, Williams TCR, Morgan M, etc. Glycolytic Enzymes Associate Dynamically with Mitochondria in Response to Respiratory Demand and Support Substrate Channeling. *Plant Cell*, 2007, 19: 3723–3738
- Hackenberg C, Kern R, Huge J, etc. Cyanobacterial Lactate Oxidases Serve as Essential Partners in N₂ Fixation and Evolved into Photorespiratory Glycolate Oxidases in Plants. *Plant Cell* 2011 23: 2978–2990
- Nikkinen HL, Hakkia K, Gunnellius L. The SigB σ Factor Regulates Multiple Salt Acclimation Responses of the Cyanobacterium *Synechocystis* sp. PCC 6803. *Plant Physiology*, 2012, 158: 514–523 (微生物, 未下载)
- Drath M, Kloft N, Forchhammer K, etc. Ammonia Triggers Photodamage of Photosystem II in the Cyanobacterium *Synechocystis* sp. Strain PCC 6803. *Plant Physiology*, 2008, 147: 206–215 (微生物, 放氧, 下载)
- Sharma S, Villamor JG, Verslues PE. Catabolism in Growth and Redox Balance at Low Water Potential. *Plant Physiology*, 2011, 157: 292–304 (拟南芥, 耗氧, 下载)
- Green BJ, Li WY, Rumpho ME, etc. Mollusc-Algal Chloroplast Endosymbiosis. Photosynthesis, Thylakoid Protein Maintenance, and Chloroplast Gene Expression Continue for Many Months in the Absence of the Algal Nucleus. *Plant Physiology*, 2000, 124: 331–342 (光合放氧, 下载)
- Hausler RE, Geimer S, Kunz HH, etc. Chlororespiration and Grana Hyperstacking: How an *Arabidopsis* Double Mutant Can Survive Despite Defects in Starch Biosynthesis and Daily Carbon Export from Chloroplasts. *Plant Physiology*, 2009, 149: 515–533 (光合放氧, 下载)
- Miller AG, Hunter K, O'Leary SJB, etc. The Photoreduction of H₂O₂ by *Synechococcus* sp. PCC 7942 and UTEX 625. *Plant Physiology*, 2000, 123: 625–635 (微生物光合放氧, 下载)



Chang CCC, Slesak I, Jorda L, etc. Arabidopsis Chloroplastic Glutathione Peroxidases Play a Role in Cross Talk between Photooxidative Stress and Immune Responses. *Plant Physiology*, 2009, 150: 670–683 (拟南芥光合放氧, 下载)

Tan YF, O' Toole N, Taylor NL, Millar H. Divalent Metal Ions in Plant Mitochondria and Their Role in Interactions with Proteins and Oxidative Stress-Induced Damage to Respiratory Function. *Plant Physiology*, 2010, 152: 747–761 (植物呼吸耗氧, 下载)

Matringe M, Ksas B, Rey P, Havaux M. Tocotrienols, the Unsaturated Forms of Vitamin E, Can Function as Antioxidants and Lipid Protectors in Tobacco Leaves. *Plant Physiology*, 2008, 147: 764–778 (植物光合放氧, 下载)

Giordano M, Pezzoni V, Hell R. Strategies for the Allocation of Resources under Sulfur Limitation in the Green Alga Dunaliella salina. *Plant Physiology*, 2000, 124: 857–864 (光合放氧, 呼吸耗氧, 下载)

Camacho-Pereira J, Meyer LE, Galina A, etc. Reactive Oxygen Species Production by Potato Tuber Mitochondria Is Modulated by Mitochondrially Bound Hexokinase Activity. *Plant Physiology*, 2009, 149: 1099–1110 (下载)

Collakover E, DellaPenna D. Isolation and Functional Analysis of Homogentisate Phytyltransferase from Synechocystis sp. PCC 6803 and Arabidopsis. *Plant Physiology*, 2001, 127: 1113–1124 (微生物和拟南芥, 下载)

Fuentes D, Meneses M, Jordana X. A Deficiency in the Flavoprotein of Arabidopsis Mitochondrial Complex II Results in Elevated Photosynthesis and Better Growth in Nitrogen-Limiting Conditions. *Plant Physiology*, 2011, 157: 1114–1127 (拟南芥, 下载)

Tomaz T, Bagard M, Millar AH. Mitochondrial Malate Dehydrogenase Lowers Leaf Respiration and Alters Photorespiration and Plant Growth in Arabidopsis. *Plant Physiology*, 2010, 154: 1143–1157

Muller-Moule P, Golan T, Niyogi KK. Ascorbate-Deficient Mutants of Arabidopsis Grow in High Light Despite Chronic Photooxidative Stress. *Plant Physiology*, 2004, 134: 1163–1172 (拟南芥, 下载)

Busch F, Huner NPA, Ensminger I. Increased Air Temperature during Simulated Autumn Conditions Does Not Increase Photosynthetic Carbon Gain But Affects the Dissipation of Excess Energy in Seedlings of the Evergreen Conifer Jack Pine. *Plant Physiology*, 2007, 143: 1242–1251 (拟南芥, 下载)

Gonzalez-Perez S, Gutierrez J, Arellano JB. Early Transcriptional Defense Responses in Arabidopsis Cell Suspension Culture under High-Light Conditions. *Plant Physiology*, 2011, 156: 1439–1456 (下载)

Varedi G, Dark E, Lehocaki E. Changes in the Xanthophyll Cycle and Fluorescence Quenching Indicate Light-Dependent Early Events in the Action of Paraquat and the Mechanism of Resistance to Paraquat in Erigeron canadensis (L.) Cronq. *Plant Physiology*, 2000, 123: 1459–1469 (双通道叶片, 下载)



Oliver SN, Lunn JE, Geigenberger, etc. Decreased Expression of Cytosolic Pyruvate Kinase in Potato Tubers Leads to a Decline in Pyruvate Resulting in an in Vivo Repression of the Alternative Oxidase. *Plant Physiology*, 2008, 148: 1640–1654

Ito K, Ogata T, Kakizaki Y. Identification of a Gene for Pyruvate-Insensitive Mitochondrial Alternative Oxidase Expressed in the Thermogenic Appendices in *Arum maculatum*. *Plant Physiology*, 2011, 157: 1721–1732 (下载)

Cardol P, Gloire G, Franck, etc. Photosynthesis and State Transitions in Mitochondrial Mutants of *Chlamydomonas reinhardtii* Affected in Respiration. *Plant Physiology*, 2003, 133: 2010–2020 (下载)

Reinfelder JR, Milligan AJ, Morel FMM. The Role of the C4 Pathway in Carbon Accumulation and Fixation in a Marine Diatom. *Plant Physiology*, 2004, 135: 2106–2111 (下载)

Schottel MA, Kirchhoff H, Weis E. The Role of Plastocyanin in the Adjustment of the Photosynthetic Electron Transport to the Carbon Metabolism in Tobacco. *Plant Physiology*, 2004, 135: 2106–2111 (下载)

Schwarz D, Nodop A, Huge J. FOCUS ISSUE ON PLASTID BIOLOGY: Metabolic and Transcriptomic Phenotyping of Inorganic Carbon Acclimation in the Cyanobacterium *Synechococcus elongatus* PCC 7942. *Plant Physiology*, 2011, 155: 1640–1655 (未下载)

Ewald R, Kolukisaoglu U, Bauwe U, etc. Mitochondrial Protein Lipoylation Does Not Exclusively Depend on the mtKAS Pathway of de Novo Fatty Acid Synthesis in *Arabidopsis*. *Plant Physiology*, 2007, 145: 41–48

Morgan M, Lehmann M, Schwarzlander M, etc. Decrease in Manganese Superoxide Dismutase Leads to Reduced Root Growth and Affects Tricarboxylic Acid Cycle Flux and Mitochondrial Redox Homeostasis. *Plant Physiology*, 2008, 147: 101–114

Jeong WJ, Park Y, Suh K, etc. A Large Population of Small Chloroplasts in Tobacco Leaf Cells Allows More Effective Chloroplast Movement Than a Few Enlarged Chloroplasts. *Plant Physiology*, 2002, 129: 112–121

Angelini R, Tisi A, Rea G, etc. Involvement of Polyamine Oxidase in Wound Healing. *Plant Physiology*, 2008, 146: 162–177

Renberg L, Johansson AI, Shutova T, etc. A Metabolomic Approach to Study Major Metabolite Changes during Acclimation to Limiting CO₂ in *Chlamydomonas reinhardtii*. *Plant Physiology*, 2010, 154: 187–196

Kim HB, Lee H, Oh CJ, etc. Postembryonic Seedling Lethality in the Sterol-Deficient *Arabidopsis cyp51A2* Mutant Is Partially Mediated by the Composite Action of Ethylene and Reactive Oxygen Species. *Plant Physiology*, 2010, 152: 192–205

Yamano T, Miura K, Fukuzawa. Expression Analysis of Genes Associated with the Induction of the Carbon-Concentrating Mechanism in *Chlamydomonas reinhardtii*. *Plant Physiology*, 2008, 147: 340–354



Giraud E, Ho LHM, Clifton RC, etc. The Absence of ALTERNATIVE OXIDASE1a in Arabidopsis Results in Acute Sensitivity to Combined Light and Drought Stress. *Plant Physiology*, 2008, 147:595–610

Meyer EH, Tomaz TT, Carroll AJ, etc. Remodeled Respiration in ndufs4 with Low Phosphorylation Efficiency Suppresses Arabidopsis Germination and Growth and Alters Control of Metabolism at Night. *Plant Physiology*, 2009, 151:603–619

Studart-Guimaraes C, Fait A, Nunes-Nesi A, etc. Reduced Expression of Succinyl-Coenzyme A Ligase Can Be Compensated for by Up-Regulation of the g-Aminobutyrate Shunt in Illuminated Tomato Leaves. *Plant Physiology*, 2007, 145:626–639

Yin LY, Lundin B, Bertrand M, etc. Role of Thylakoid ATP/ADP Carrier in Photoinhibition and Photoprotection of Photosystem II

in Arabidopsis. *Plant Physiology*, 2010, 153:666–677

Nikolopoulos D, Liakopoulos G, Drossopoulos I, etc. The Relationship between Anatomy and Photosynthetic Performance of Heterobaric Leaves. *Plant Physiology*, 2002, 129: 235–243

Huertas IE, Colman B, Espie GS. Mitochondrial-Driven Bicarbonate Transport Supports Photosynthesis in a Marine Microalga. *Plant Physiology*, 2002, 130: 284–291

Vijayan P, Browes J. Photoinhibition in Mutants of Arabidopsis Deficient in Thylakoid Unsaturation. *Plant Physiology*, 2002, 129: 876–885

Lopez-Millan AF, Morales F, Andaluz S, etc. Responses of Sugar Beet Roots to Iron Deficiency Changes in Carbon Assimilation and Oxygen Use. *Plant Physiology*, 2000, 124: 885–897

Allakhverdiev SI, Sakamoto A, Nishiyama Y, etc. Ionic and Osmotic Effects of NaCl-Induced Inactivation of Photosystems I and II in *Synechococcus* sp. *Plant Physiology*, 2000, 123: 1047–1056

Yamasaki T, Yamakawa T, Yamane Y, etc. Temperature Acclimation of Photosynthesis and Related Changes in Photosystem II Electron Transport in Winter Wheat. *Plant Physiology*, 2002, 128: 1087–1097

Hamilton EW, Heckathorn SA. Mitochondrial Adaptations to NaCl. Complex I IsProtected by Anti-Oxidants and Small Heat Shock Proteins, Whereas Complex II Is Protected by Proline and Betaine. *Plant Physiology*, 2001, 126: 1266–1274

Vanacker H, Carver TLM, Foyer CH. Early H₂O₂ Accumulation in Mesophyll Cells Leads to Induction of Glutathione during the Hyper-Sensitive Response in the Barley-Powdery Mildew Interaction. *Plant Physiology*, 2000, 123: 1289–1300

Horvath EM, Peter S0, Joet T. Targeted Inactivation of the Plastid ndhB Gene in Tobacco Results in an Enhanced Sensitivity of Photosynthesis to Moderate Stomatal Closure. *Plant Physiology*, 2000, 123: 1337–1349



- Lauaud J, Rousseau B, van Gorkom HJ, etc. Influence of the Diadinoxanthin Pool Size on Photoprotection in the Marine Planktonic Diatom *Phaeodactylum tricornutum*. *Plant Physiology*, 2002, 129: 1398–1406
- Josse EM, Simkin AJ, Gaffé J, etc. A Plastid Terminal Oxidase Associated with Carotenoid Desaturation during Chromoplast Differentiation. *Plant Physiology*, 2000, 123: 1427–1436
- Allakhverdiev SI, Nishiyama Y, Miyairi S, etc. Salt Stress Inhibits the Repair of Photodamaged Photosystem II by Suppressing the Transcription and Translation of psbA Genes in *Synechocystis*. *Plant Physiology*, 2002, 130: 1443–1453
- Mewes H, Richter M. Supplementary Ultraviolet-B Radiation Induces a Rapid Reversal of the Diadinoxanthin Cycle in the Strong Light-Exposed Diatom *Phaeodactylum tricornutum*. *Plant Physiology*, 2002, 130: 1527–1535
- Vanlerberghe GC, Robson CA, Yip JYH. Induction of Mitochondrial Alternative Oxidase in Response to a Cell Signal Pathway Down-Regulating the Cytochrome Pathway Prevents Programmed Cell Death. *Plant Physiology*, 2002, 129: 1829–1842
- Cournac L, Latouche G, Cerovic Z. In Vivo Interactions between Photosynthesis, Mitorespiration, and Chlororespiration in *Chlamydomonas reinhardtii*. *Plant Physiology*, 2002, 129: 1921–1928
- Rius SP, Casati P, Iglesias AA, etc. Characterization of Arabidopsis Lines Deficient in GAPC-1, a Cytosolic NAD-Dependent Glyceraldehyde-3-Phosphate Dehydrogenase. *Plant Physiology*, 2008, 148: 1655–1667
- Zsigmond L, Rigo G, Szarka A, etc. Arabidopsis PPR40 Connects Abiotic Stress Responses to Mitochondrial Electron Transport. *Plant Physiology*, 2008, 146: 1721–1737
- Umbach AL, Fiorani F, Siedow JN. Characterization of Transformed Arabidopsis with Altered Alternative Oxidase Levels and Analysis of Effects on Reactive Oxygen Species in Tissue. *Plant Physiology*, 2005, 139: 1806–1820
- Eubel H, Meyer EH, Taylor MN, etc. Novel Proteins, Putative Membrane Transporters, and an Integrated Metabolic Network Are Revealed by Quantitative Proteomic Analysis of Arabidopsis Cell Culture Peroxisomes. *Plant Physiology*, 2008, 148: 1809–1829
- Munne-Bosch S, Alegre L. Drought-Induced Changes in the Redox State of -Tocopherol, Ascorbate, and the Diterpene Carnosic Acid in Chloroplasts of Labiate Species Differing in Carnosic Acid Contents. *Plant Physiology*, 2003, 131: 1816–1825
- Allakhverdiev SI, Kinoshita M, Inaba M, etc. Unsaturated Fatty Acids in Membrane Lipids Protect the Photosynthetic Machinery against Salt-Induced Damage in *Synechococcus*. *Plant Physiology*, 2001, 125: 1842–1853
- Robson C, Vanlerberghe. Transgenic Plant Cells Lacking Mitochondrial Alternative Oxidase Have Increased Susceptibility to Mitochondria-Dependent and -Independent Pathways of Programmed Cell Death. *Plant Physiology*, 2002, 129: 1908–1920



- Bissati K, Kirilovsky D. Regulation of psbA and psaE Expression by Light Quality in Synechocystis Species PCC 6803. A Redox Control Mechanism. *Plant Physiology*, 2001, 125: 1988–2000
- Pollari M, Gunnellius L, Tuominen I, etc. Characterization of Single and Double Inactivation Strains Reveals New Physiological Roles for Group 2 s Factors in the Cyanobacterium Synechocystis sp. PCC 6803. *Plant Physiology*, 2008, 147: 1994–2005
- Leu E, Krieger-Liszakay A, Goussias C, etc. Polyphenolic Allelochemicals from the Aquatic Angiosperm *Myriophyllum spicatum* Inhibit Photosystem II. *Plant Physiology*, 2002, 130: 2011–2018
- Loizeau K, Brouwer VD, Gambonnet B, etc. A Genome-Wide and Metabolic Analysis Determined the Adaptive Response of Arabidopsis Cells to Folate Depletion Induced by Methotrexate. *Plant Physiology*, 2008, 148: 2083–2095
- Giordano M, Norici A, Forssen M, etc. An Anaplerotic Role for Mitochondrial Carbonic Anhydrase in Chlamydomonas reinhardtii. *Plant Physiology*, 2003, 132: 2126–2134
- Bourque SB, Lemoine R, Sequeira-Legrand A, etc. The Elicitor Cryptogein Blocks Glucose Transport in Tobacco Cells. *Plant Physiology*, 2003, 132: 2126–2134
- Gaber A, Yoshimura K, Tamoi M, etc. Induction and Functional Analysis of Two Reduced Nicotinamide Adenine Dinucleotide Phosphate-Dependent Glutathione Peroxidase-Like Proteins in Synechocystis PCC 6803 during the Progression of Oxidative Stress. *Plant Physiology*, 2004, 136: 2855–2861
- Nogues S, Tcherkez G, Cornic G, etc. Respiratory Carbon Metabolism following Illumination in Intact French Bean Leaves Using $^{13}\text{C}/^{12}\text{C}$ Isotope Labeling. *Plant Physiology*, 2004, 136: 3245–3254
- Mackennaie TDB, Burns RA, Campbell A. Carbon Status Constrains Light Acclimation in the Cyanobacterium *Synechococcus* elongates. *Plant Physiology*, 2004, 136: 3301–3312
- Jeong ML, Jiang HY, Chen HS, etc. Metabolic Profiling of the Sink-to-Source Transition in Developing Leaves of Quaking Aspen. *Plant Physiology*, 2004, 136: 3364–3375
- Mary ER, Elizabeth JS, James RM. Solar-Powered Sea Slugs. Mollusc/Algal Chloroplast Symbiosis. *Plant Physiol*, 2000, 29–38 (氧电极)
- Yamamoto Y, Kobayashi Y, Devi S. R. Aluminum Toxicity Is Associated with Mitochondrial Dysfunction and the Production of Reactive Oxygen Species in Plant Cells. *Plant Physiology*, 2002, 1(128) : 63 - 72 (氧电极)
- Agata SP, Adriano NN, Ronan S. Mild Reductions in Mitochondrial Citrate Synthase Activity Result in a Compromised Nitrate Assimilation and Reduced Leaf Pigmentation But Have No Effect on Photosynthetic Performance or Growth. *Plant Physiology*, 2008, 5(147) : 115 - 127 (氧电极)
- Downie AB, Zhang DQ, Lynnette M. A. Communication between the Maternal Testa and the Embryo and/or Endosperm Affect Testa Attributes in Tomato. *Plant Physiology*, 2003, 9(133) : 145 – 160 (氧电极)



Daniela M, Angela D, Peter J. Knock-Out of the Genes Coding for the Rieske Protein and the ATP-Synthase -Subunit of Arabidopsis. Effects on Photosynthesis, Thylakoid Protein Composition, and Nuclear Chloroplast Gene Expression. *Plant Physiology*, 2003, 9(133): 191 - 202 (氧电极)

Tcherkez G, Nogue's S, Bleton J, Metabolic Origin of Carbon Isotope Composition of Leaf Dark-Respired CO₂ in French Bean. *Plant Physiology*, 2003, 1(131): 237 - 244 (氧电极)

Guy TH, Yoko KA, Isao T. A Post Genomic Characterization of Arabidopsis Ferredoxins. *Plant Physiology*, 2004, 1(134): 255 - 264 (LH7 红光光源)

Allakhverdiev SI, Nishiyama Y, Takahashi S. Systematic Analysis of the Relation of Electron Transport and ATP Synthesis to the Photodamage and Repair of Photosystem II in Synechocystis. *Plant Physiology*, 2005, 1(137): 263 - 273 (氧电极)

Christelle, Simon D, Gabriel C. Functional Mitochondrial Complex I Is Required by Tobacco Leaves for Optimal Photosynthetic Performance in Photorespiratory Conditions and during Transients. *Plant Physiology*, 2003, 1(131): 264 - 275 (氧电极)

Kupper FC, Kloareg B, Guern J. Oligoguluronates Elicit an Oxidative Burst in the Brown Algal Kelp *Laminaria digitata*. *Plant Physiology*, 2001, 1(125): 278 - 291 (氧电极)

Chang CW, Moseley JL, Wykoff D. The LPB1 Gene Is Important for Acclimation of Chlamydomonas reinhardtii to Phosphorus and Sulfur Deprivation. *Plant Physiology*, 2005, 5(138): 319 - 329 (氧电极)

Stupnikova I, Benamar A, Tolleter D. Pea Seed Mitochondria Are Endowed with a Remarkable Tolerance to Extreme Physiological Temperatures. *Plant Physiology*, 2006, 1(140): 326 - 335 (氧电极)

Bartoli CG., Pastori GM, Foyer CH. Ascorbate Biosynthesis in Mitochondria Is Linked to the Electron Transport Chain between Complexes III and IV. *Plant Physiology*, 2000, 5(123): 335 - 343 (氧电极)

Herranen M, Battchikova N, Zhang PP. Towards Functional Proteomics of Membrane Protein Complexes in Synechocystis sp. PCC 6803. *Plant Physiology*, 2004, 1(134): 470 - 481 (氧电极)

Mommer L, Pons T, Mieke WA. Submergence-Induced Morphological, Anatomical, and Biochemical Responses in a Terrestrial Species Affect Gas Diffusion Resistance and Photosynthetic Performance. *Plant Physiology*, 2005, 9(139): 497 - 508 (氧电极)

Adriano NN, Fernando C, Anna L. Enhanced Photosynthetic Performance and Growth as a Consequence of Decreasing Mitochondrial Malate Dehydrogenase Activity in Transgenic Tomato Plants. *Plant Physiology*, 2005, 2(137): 611 - 622 (氧电极)

Logan DC, Millar AH, Sweetlove LJ. Mitochondrial Biogenesis during Germination in Maize Embryos. *Plant Physiology*, February 2001, 2(125): 662 - 672 (氧电极)

Chen XW, Qiu CE, Shao JZ. Evidence for K+-Dependent HCO₃- Utilization in the Marine Diatom *Phaeodactylum tricornutum*. *Plant Physiology*, 2006, 6(141): 731 - 736 (氧电极)



Rounds CM, Hepler PK, Fuller SJ. Oscillatory Growth in Lily Pollen Tubes Does Not Require Aerobic Energy Metabolism. *Plant Physiology*, 2006, 6(141): 731 - 736 (氧电极)

Draborg H, Villadsen D, Nielsen TH. Transgenic Arabidopsis Plants with Decreased Activity of Fructose-6-Phosphate, 2-Kinase/Fructose-2, 6-Bisphosphatase Have Altered Carbon Partitioning. *Plant Physiology*, 2001, 6(126): 750 - 758 (氧电极)

Ohnishi N, Murata N. Glycinebetaine Counteracts the Inhibitory Effects of Salt Stress on the Degradation and Synthesis of D1 Protein during Photoinhibition in *Synechococcus* sp. PCC 7942. *Plant Physiology*, 2006, 6(141): 758 - 765 (氧电极)

Cona A, Cenci F, Cervelli M. Polyamine Oxidase, a Hydrogen Peroxide-Producing Enzyme, Is Up-Regulated by Light and Down-Regulated by Auxin in the Outer Tissues of the Maize Mesocotyl1. *Plant Physiology*, 2003, 2(131): 803 - 813 (氧电极)

Michels AK, Wede N, Kroth PG. Diatom Plastids Possess a Phosphoribulokinase with an Altered Regulation and No Oxidative Pentose Phosphate Pathway. *Plant Physiology*, 2005, 3(137): 911 - 920 (氧电极)

Lee S, Ryu JY, Kim SY. Transcriptional Regulation of the Respiratory Genes in the Cyanobacterium *Synechocystis* sp. PCC 6803 during the Early Response to Glucose Feeding. *Plant Physiology*, 2007, 11(145): 1018 - 1030 (氧电极)

Zabalza A, Dongen JT, Froehlich A. Regulation of Respiration and Fermentation to Control the Plant Internal Oxygen Concentration. *Plant Physiology*, 2009, 2(149): 1087 - 1098 (氧电极)

Riewe D, Grosman L, Fernie AR. The Potato-Specific Apyrase Is Apoplastically Localized and Has Influence on Gene Expression, Growth, and Development. *Plant Physiology*, 2008, 7(147): 1092 - 1109 (氧电极)

Chen S, Hajirezaei M, Bochner F. Differential Expression of Sucrose-Phosphate Synthase Isoenzymes in Tobacco Reflects Their Functional Specialization during Dark-Governed Starch Mobilization in Source Leaves. *Plant Physiology*, 2005, 11(139): 1163 - 1174 (氧电极)

Allakhverdiev SI, Sakamoto A, Nishiyama Y. Inactivation of Photosystems I and II in Response to Osmotic Stress in *Synechococcus*. Contribution of Water Channels. *Plant Physiology*, 2000, 4(122): 1201 - 1208 (氧电极)

Dubbs WE, Grimes HD. Specific Lipoxygenase Isoforms Accumulate in Distinct Regions of Soybean Pod Walls and Mark a Unique Cell Layer. *Plant Physiology*, 2000, 8(123): 1269 - 1279 (氧电极)

Wu F, Yang ZL, Kuang TY. Impaired Photosynthesis in Phosphatidylglycerol-Deficient Mutant of Cyanobacterium *Anabaena* sp. PCC7120 with a Disrupted Gene Encoding a Putative Phosphatidylglycerophosphatase. *Plant Physiology*, 2006, 8(141): 1274 - 1283 (氧电极)

Carrari F, Adriano NN, Gibon Y. Reduced Expression of Aconitase Results in an Enhanced Rate of Photosynthesis and Marked Shifts in Carbon Partitioning in Illuminated Leaves of Wild Species Tomato. *Plant Physiology*, 2003, 9(133): 1322 - 1335 (氧电极)



Garmier M, Carroll AJ, Delannoy E. Complex I Dysfunction Redirects Cellular and Mitochondrial Metabolism in Arabidopsis. *Plant Physiology*, 2008, 11(148): 1324 - 1341 (氧电极)

Baurain D, Dinant M, Coosemans N. Regulation of the Alternative Oxidase Aox1 Gene in Chlamydomonas reinhardtii. Role of the Nitrogen Source on the Expression of a Reporter Gene under the Control of the Aox1 Promoter. *Plant Physiology*, 2003, 3(131): 1418 - 1430 (氧电极)

Bannenberg G, Martínez M, Rodríguez MJ. Functional Analysis of a-DOX2, an Active a-Dioxygenase Critical for Normal Development in Tomato Plants. *Plant Physiology*, 2009, 11(151): 1421 - 1432 (氧电极)

Eubel H, Heinemeyer J, Braun HP. Identification and Characterization of Respirasomes in Potato Mitochondria. *Plant Physiology*, 2004, 4(134): 1450 - 1459 (氧电极)

Tamasloukht MB, Nathalie SD, Kluever A. Root Factors Induce Mitochondrial-Related Gene Expression and Fungal Respiration during the Developmental Switch from Asymbiosis to Presymbiosis in the Arbuscular Mycorrhizal Fungus Gigaspora rosea. *Plant Physiology*, 2003, 3(131): 1468 - 1478 (氧电极)

Riewe D, Grosman L, Zauber H. Metabolic and Developmental Adaptations of Growing Potato Tubers in Response to Specific Manipulations of the Adenylate Energy Status. *Plant Physiology*, 2008, 4(146): 1579 - 1598 (氧电极)

Pratt J, Boisson AM, Gout E. Phosphate (Pi) Starvation Effect on the Cytosolic Pi Concentration and Pi Exchanges across the Tonoplast in Plant Cells: An in Vivo 31P-Nuclear Magnetic Resonance Study Using Methylphosphonate as a Pi Analog. *Plant Physiology*, 2009, 11(151): 1646 - 1657 (氧电极)

未分类部分

A Large Population of Small Chloroplasts in Tobacco Leaf Cells Allows More Effective Chloroplast Movement Than a Few Enlarged Chloroplasts. *Plant Physiology*, 2002, 129: 112 - 121 氧电极 + PEA

Adams III WW, Osmond CB, Sharkey TD. Response of two CAM species to different irradiances during growth and susceptibility to photoinhibition by high light, *Plant Physiol.* (1987) 83:213-218
an in Vivo Repression of the Alternative Oxidase. *Plant Physiology*, 2008, 148: 1640 - 1654

Ana Zabalza2, Joost T. van Dongen2*, Anja Froehlich, Sandra N. Oliver, Benjamin Faix, Kapuganti Jagadis Gupta, Elmar Schmautzlin, Maria Igal, Luis Orcaray, Mercedes Royuela, and Peter Geigenberger. Regulation of Respiration and Fermentation to Control the Plant Internal Oxygen Concentration1[OA]. *Plant Physiology*, February 2009, Vol. 149, pp. 1087 - 1098

Ana-Carolina M. Arisi, Gabriel Cornic, Lise Jouanin, and Christine H. Foyer. Overexpression of Iron Superoxide Dismutase in Transformed Poplar Modifies the Regulation of Photosynthesis at Low CO₂



Anthony G. Miller, Kristopher J. Hunter, Stephen J.B. O' Leary³, and Leslie J. Hart. The Photoreduction of H₂O₂ by Synechococcus sp. PCC 7942 and UTEX 625. *Plant Physiology*, 2000, 123: 625 – 635

B. Kozlowska-Szerenos, A. Jarosz, S. Maleszewski. Photosynthetic net O₂ evolution enhancement as a sign of acclimation to phosphorus deficiency in bean (*Phaseolus vulgaris L.*) leaves. *Photosynthetica*, 2009, 47(2) : 271–276.

Bailey K, Walker DA. Changes in Fluorescence quenching brought about by feeding dithiothreitol to illuminated leaves. *Plant Physiology*, 1992, 99: 124–129 氧电极

Barry A. Logan^{2*} and Russell K. Monson. Thermotolerance of Leaf Discs from Four Isoprene-Emitting Species Is Not Enhanced by Exposure to Exogenous Isoprene¹. *Plant Physiology*, July 1999, Vol. 120, pp. 821 – 825,

Bilger W, Bjorkman, Thayer SS. Light induced spectral absorbance changes in relation to photosynthesis and the epoxidation state of xanthophyll cycle components in cotton leaves. *Plant Physiology*, 1989, 91: 542–551

Boese SR, Humer NPA. Developmental history affects the susceptibility of spinach leaves to in vivo low temperature photoinhibition. *Plant Physiol.* (1992) 99: 1141–1145

Brian J. Green, Wei-Ye Li, James R. Manhart, Theodore C. Fox, Elizabeth J. Summer, Robert A. Kennedy, Sidney K. Pierce³, and Mary E. Rumpho. Mollusc-Algal Chloroplast Endosymbiosis. Photosynthesis, Thylakoid Protein Maintenance, and Chloroplast Gene Expression Continue for Many Months in the Absence of the Algal Nucleus. *Plant Physiology*, 2000, 124: 331 – 342

Christine C. C. Chang, Ireneusz S'lesak, Luci'a Jorda', Alexey Sotnikov, Michael Melzer, Zbigniew Miszalski, Philip M. Mullineaux, Jane E. Parker, Barbara Karpin'ska, and Stanisław Karpin'ski. Arabidopsis Chloroplastic Glutathione Peroxidases Play a Role in Cross Talk between Photooxidative Stress and Immune Responses, *Plant Physiology*, 2009, 150: 670 – 683 FMS-1 + 氧电极

David Rieve, Lukasz Grosman, Alisdair R. Fernie, Cornelia Wucke, and Peter Geigenberger. The Potato-Specific Apoplastic Apyrase Is Apoplastically Localized and Has Influence on Gene Expression, Growth, and Development¹[W][OA]. *Plant Physiology*, July 2008, Vol. 147, pp. 1092 – 1109

Day TA, Heckathom SA, Delucia EH. Limitation of photosynthesis in *Pinus taeda* L. at low soil temperature. *Plant Physiology*, 1991, 96: 1246–1254

Donald A. Heck, Donald Miles, and Parag R. Chitnis. Characterization of Two Photosynthetic Mutants of Maize. *Plant Physiology*, 1999, 120: 1129 – 1136

Estelle Giraud, Lois H.M. Ho, Rachel Clifton, Adam Carroll, Gonzalo Estavillo, Yew-Foon Tan, Katharine A. Howell, Aneta Ivanova, Barry J. Pogson, A. Harvey Millar, and James Whelan*. The Absence of ALTERNATIVE OXIDASE1a in Arabidopsis Results in Acute Sensitivity to Combined Light and Drought Stress[W][OA]. *Plant Physiology*, June 2008, Vol. 147, pp. 595 – 610



Eva Collakova and Dean DellaPenna. Isolation and Functional Analysis of Homogentisate Phytyltransferase from Synechocystis sp. PCC 6803. and Arabidopsis1. Plant Physiology, November 2001, Vol. 127, pp. 1113 - 1124

Florian Busch, Norman P. A. Hünner, and Ingo Ensminger. Increased Air Temperature during Simulated Autumn Conditions Does Not Increase Photosynthetic Carbon Gain But Affects the Dissipation of Excess Energy in Seedlings of the Evergreen Conifer Jack Pine. Plant Physiology, 2007, 143: 1242 - 1251

Gautier H, Vavasseur A, Lasceve G, etc. Redox processes in the blue light response of guard cell protoplasts of *commelina communis* L. Plant physiology, 1992, 98: 34-38

Gautier H, Vavasseur Gans P, etc. Relation between respiration and photosynthesis in guard cell and mesophyll cell protoplasts of *commelina communis* L. Plant Physiology, 1991, 636-641

Giuseppe Torzillo, Alberto Scoma, et al. Increased hydrogen photoproduction by means of a sulfur-deprived *Chlamydomonas reinhardtii* D1 protein mutant. International Journal of Hydrogen Energy, 2008, 1-8

Groom QJ, Baker NR, Analysis of light-induced depressions of photosynthesis in leaves of wheat crop during the winter. Plant Physiolog 1992, 100: 1217-1223y

Gyula Va' radi, E' va Darko' , and Endre Lehoczki. Changes in the Xanthophyll Cycle and Fluorescence Quenching Indicate Light-Dependent Early Events in the Action of Paraquat and the Mechanism of Resistance to Paraquat in *Erigeron canadensis* (L.) Cronq. Plant Physiology, 2000, 123: 1459 - 1469 氧电极

Harding SA, Guikema JA, Paulsen GM. Photosynthetic decline from high temperature stress during maturation of wheat. Plant physiology, 1990, 92: 648-653

Havaux M, Niyogi KK. The violaxanthin cycle protects plants from photooxidative damage by more than one mechanism. Proc Natl Acad Sci USA., 1999, 96: 8762-8767

Heineke D, Stutt M, Heldt HW. Effects of inorganic phosphate on the light dependent thylakoid energization of intact spinach chloroplasts. Plant Physiology, 1989, 91: 221-226

Holger Ebel2, Etienne H. Meyer2, Nicolas L. Taylor2, John D. Bussell2, Nicholas O' Toole, Joshua L. Heazlewood, Ian Castleden, Ian D. Small, Steven M. Smith, and A. Harvey Millar. Novel Proteins, Putative Membrane Transporters, and an Integrated Metabolic Network Are Revealed by Quantitative Proteomic Analysis of *Arabidopsis* Cell Culture Peroxisomes[W][OA]. Plant Physiology, December 2008, Vol. 148, pp. 1809 - 1829

Huner NP, Oquist G, Sundblad L. Low measuring temperature induced artifactual increase in chlorophyll a fluorescence. Plant Physiology,, 1992, 98: 749-752

Hurry VM, Huner NP. Low growth temperature effects a differential inhibition of photosynthesis in spring and winter wheat. Plant Physiology, 1991, 96: 491-497



Isamu Sakurai, Naoki Mizusawa, Shunsuke Ohashi, Masami Kobayashi, and Hajime Wada. Effects of the Lack of Phosphatidylglycerol on the Donor Side of Photosystem III. *Plant Physiology*, 2007, 144:1336 – 1346, FMS-1 氧电极

John R. Reinfelder*, Allen J. Milligan, and Francois M. M. Morel. The Role of the C4 Pathway in Carbon Accumulation and Fixation in a Marine Diatom. *Plant Physiology*, 2004, 135: 2106 – 2111

Juliana Camacho-Pereira², Laudiene Evangelista Meyer², Lilia Bender Machado, Marcus Fernandes Oliveira, and Antonio Galina.. Reactive Oxygen Species Production by Potato Tuber Mitochondria Is Modulated by Mitochondrially Bound Hexokinase Activity. *Plant Physiology*, 2009, 149: 1099 – 1110

Karen Loizeau, Veerle De Brouwer, Bernadette Gambonnet, Agne's Yu, Jean-Pierre Renou, Dominique Van Der Straeten, Willy E. Lambert, Fabrice Re'beille', and Ste'phane Ravanel. A Genome-Wide and Metabolic Analysis Determined the Adaptive Response of Arabidopsis Cells to Folate Depletion Induced by Methotrexate^{1[W]}. *Plant Physiology*, December 2008, Vol. 148, pp. 2083 – 2095

Li ZX, Qin SJ, lu DG, Ma HY. Effects of phenolic compounds on root respiration and root activity of cerasus sachalinensis kom. *Allelopathy Journal*, 2009, 113–122 (植物根系呼吸途径的研究)

Loreto F, Bongi G. Combined low temperature-high light effects on gas exchange properties of jojoba leaves. *Plant physiology*, 1989, 91: 1580–1585 FMS

Maenpaa P, Aro EM, Somersalo S, etc. Rearrangement of the chloroplast thylakoid by chilling temperature in the light. *Plant Physiology*, 1998, 87: 762–766 氧电极

Maija Pollari, Liisa Gunnellius, Ilona Tuominen, Virpi Ruotsalainen, Esa Tyystjärvvi, Tiina Salminen, and Taina Tyystjärvvi. Characterization of Single and Double Inactivation Strains Reveals New Physiological Roles for Group 2 s Factors in the Cyanobacterium Synechocystis sp. PCC 6803^{1[W]}. *Plant Physiology*, August 2008, Vol. 147, pp. 1994 – 2005

Marie Garmier², Adam J. Carroll, Etienne Delannoy, Corinne Vallet, David A. Day, and D. Small, and A. Harvey Millar. plex I Dysfunction Redirects Cellular and mitochondrial Metabolism in Arabidopsis^{1[W][OA]}. *Plant Physiology*, November 2008, Vol. 148, pp. 1324 – 1341

Mario Giordano, Valerio Pezzoni, and Ru' diger Hell. Strategies for the Allocation of Resources under Sulfur Limitation in the Green Alga Dunaliella salina. *Plant Physiology*, 2000, 124: 857 – 864

Mark Aurel Schottler*, Helmut Kirchhoff, and Engelbert Weis. The Role of Plastocyanin in the Adjustment of the Photosynthetic Electron Transport to the Carbon Metabolism in Tobacco. *Plant Physiology*, 2004, 136: 4265 – 4274

Martin B, Ruiz NA. Effects of water deficit stress on photosynthesis, its components and component limitations, and on water use efficiency in wheat. *Plant Physiology*, 1992, 100: 733–739



Michel Matringe, Brigitte Ksas, Pascal Rey, and Michel Havaux Tocotrienols, the Unsaturated Forms of Vitamin E, Can Function as Antioxidants and Lipid Protectors in Tobacco Leaves. Plant Physiology, 2008, 147: 764 - 778

Miriam Drath, Nicole Kloft, Alfred Batschauer, Kay Marin, Jens Novak, and Karl Forchhammer. Ammonia Triggers Photodamage of Photosystem II in the Cyanobacterium Synechocystis sp. Strain PCC 68031[OA]. Plant Physiology, May 2008, Vol. 147, pp. 206 - 215

Partial Pressures or Following Exposure to the Prooxidant Herbicide Methyl Viologen. Plant Physiol. (1998) 117: 565 - 574

Patricia Müller-Moule', Talila Golan, and Krishna K. Niyogi Ascorbate-Deficient Mutants of Arabidopsis Grow in High Light Despite Chronic Photooxidative Stress. Plant Physiology, 2004, 134: 1163 - 1172 FMS-2 + 氧电极

Peeler T, Naylor AW. A comparison of the effects of chilling on leaf gas exchange in pea and cucumber. Plant Physiology, 1998, 86: 143-146 氧电极

Photosynthesis and State Transitions in Mitochondrial Mutants of Chlamydomonas reinhardtii Affected in Respiration. Plant Physiology, 2003, 133: 2010 - 2020

Pierre Cardol, Geoffrey Gloire2, Michel Havaux, Claire Remacle, René' Matagne, and Fabrice Franck PP Toth, KJ Sumerix, S Ferguson-Miller, CH Suelter Respiratory control and ADP:O coupling ratios of isolated chick heart mitochondria Arch Biochem Biophys (1990) 276: 199-211.

PP Toth, KJ Sumerix, S Ferguson-Miller, CH Suelter Respiratory control and ADP:O coupling ratios of isolated chick heart mitochondria Arch Biochem Biophys (1990) 276: 199-211.

Rainer E. Haussler, Stefan Geimer, Hans Henning Kunz, Jessica Schmitz, Peter Doermann, Kirsten Bell, Sonja Hetfeld, Andre Guballa, and Ulf-Ingo Flugge Chlororespiration and Grana Hyperstacking: How an Arabidopsis Double Mutant Can Survive Despite Defects in Starch Biosynthesis and Daily Carbon Export from Chloroplasts. Plant Physiology, 2009, 49: 515 - 533

Sandra N. Oliver2, John E. Lunn, Ewa Urbanczyk-Wochniak3, Anna Lytovchenko, Joost T. van Dongen, Benjamin Faix, Elmar Schmaßl, Alisdair R. Fernie, and Peter Geigenberger. Decreased Expression of Cytosolic Pyruvate Kinase in Potato Tubers Leads to a Decline in Pyruvate Resulting in

Sarah Joshua, Shaun Bailey, Nicholas H. Mann, and Conrad W. Mullineaux. Involvement of Phycobilisome Diffusion in Energy Quenching in Cyanobacteria. Plant Physiology, 2005, 138: 1577 - 1585, FMS-1

Sebastián P. Rius, Paula Casati, Alberto A. Iglesias, and Diego F. Gomez-Casati*. Characterization of Arabidopsis Lines Deficient in APC-1, a Cytosolic NAD-Dependent Lyceraldehyde-3-Phosphate Dehydrogenase1[C]. Plant Physiology, November 2008, Vol. 148, pp. 1655 - 1667

Torre A, Delgado B, Lara C. Nitrate dependent O₂ evolution in intact leaves. Plant Physiology, 1991, 96: 898-901



Wesley E. Dubbs and Howard D. Grimes. Specific Lipoxygenase Isoforms Accumulate in Distinct Regions of Soybean Pod Walls and Mark a Unique Cell Layer. *Plant Physiology*, 2000, 123: 1269 - 1279

Whitehead D, Boelman NT, Turnbul MH, etc. Photosynthesis and reflectance indices for rainforest species in ecosystems undergoing progression and retrogression along a soil fertility chronosequence in New Zealand. *Oecologia*, 2005

Wise RR, Ort DR, Photophosphorylation after chilling in the light. *Plant Physiology*, 1989, 90: 657-664

Won Joong Jeong, Youn-II Park, KyeHong Suh, John A. Raven, Ook Joon Yoo, and Jang Ryol Liu

Ziska LH, Teramura AH. CO₂ enhancement of growth and photosynthesis in rice. *Plant Physiology*, 1992, 99: 473-481

部建雯, 姚广, 高辉远. 核盘菌(*Sclerotinia sclerotiorum* (Lib.) de Bary)侵染抑制黄瓜光合作用的机理. *植物病理学报*, 2009, 39(6): 613- 621

高奔, 宋杰, 刘金萍, 等. 盐胁迫对不同生境盐地碱蓬光合及离子积累的影响. *植物生态学报* 2010, 34 (6): 671 - 677

高奔, 宋杰, 刘金萍, 史功伟. 盐胁迫下囊果碱蓬出苗状况及苗期抗盐性. *生态学报*, 2009, 29(11): 6131-6135

高相彬, 赵凤霞, 沈向. 肉桂酸对平邑甜茶幼苗根系呼吸速率及相关酶活性的影响. *中国农业科学* 2009, 42(12): 4308-4314

龚双军, 刘西莉, 陈长军. 邻烯丙基苯酚对番茄灰霉病菌全细胞呼吸的影响. *植物病理学报*, 2009, 39(5): 521-527.

郭修武, 李坤, 孙英妮, 等. 葡萄根系分泌物的化感效应及化感物质的分离鉴定. *园艺学报*, 2010, 37(6): 86 - 868

姜飞, 刘业霞, 艾希珍, 郑楠, 王洪涛. 嫁接辣椒根际土壤微生物及酶活性与根腐病抗性的关系. *中国农业科学* 2010, 43(16): 3367-3374

李枫, 邹定辉, 刘兆普, 赵耕毛, 等. 氮磷水平对龙须菜生长和光合特性的影响. *植物生态学报*, 2009, 33 (6): 1140-1147

李利红, 马培芳, 杨亚军, 赵会杰. 外源Ca²⁺对高温强光胁迫下小麦叶绿体D1蛋白磷酸化及光系统功能的影响. 2010, 21(3): 683-688

李利红, 杨亚军, 赵会杰, 马培芳. 外源Ca²⁺对高温强光胁迫下灌浆期小麦叶片光合机构运转的影响. *植物生理学通讯*, 2009, 45(9): 851-854



李志霞, 秦嗣军, 高鹤, 吕德国, 马怀宇. 根施酚类物质对东北山樱幼苗呼吸代谢的影响. 园艺学报, 2009, 36 (10): 1417-1424

彭丽洁, 唐小丽, 柳劲松, 孟海涛, 等. 甲状腺激素对白头鹤基础产热的影响. 生态学报, 2010, 30 (6): 1500-1507

生利霞, 冯立国, 束怀瑞. 氮对低氧胁迫下樱桃根系抗氧化酶活性及线粒体功能的影响. 园艺学报, 2009, 36 (11): 1575-1580

王闯, 胡艳丽, 高相彬, 沈向. 硝态氮对淹水条件下甜樱桃根系呼吸速率及相关酶活性的影响. 植物营养与肥料学报, 2009, 15(6) : 1433-1438

夏建荣, 田其然, 高坤山, 等. 经济海藻红毛菜原位光合作用日变化. 生态学报, 2010, 30(6): 1524 -1531

姚婷婷, 朱丽琴, 杨双, 等. 一氧化氮对采后李果实时线粒体膜氧化损伤的影响. 中国农业科学 2010, 43(13): 2767-2774

赵鹏飞, 王林华, 赵会杰, 等. 水杨酸对高温强光胁迫下小麦叶绿体基因 psbA 表达的调节. 植物生理学通讯, 2010, 46(6): 537-540

动物部分

Hansson MJ, Persson T, Friberg H, Keep MF, Rees A, Wieloch T, Elmér E. Powerful cyclosporin inhibition of calcium-induced permeability transition in brain mitochondria. Brain Research, 2003, 99-111

Schroeter H, Boyd CS, Ahmed R, Spencer JPE, Duncan RF, Rice-evans C, Cadenas E. c-Jun N-terminal kinase (JNK)-mediated modulation of brain mitochondria function: new target protein for JNK signaling in mitochondrion-dependent apoptosis. Biochem, 2003, 372: 359-369

Veauvy CM, Wang YX, Ealsh PJ, Perez-pinzon MA. Comparison of the effects of ammonia on brain mitochondrial function in rats and gulf toadfish. Am J Physiol Regul Integr Comp Physiol, 2002, 283: 598-603

Walsh B, Tonkonogi M, Söderlund K, etc. The role of phosphorylcreatine and creatine in the regulation of mitochondrial respiration in human skeletal muscle. Journal of Physiology, 2001, 537. 3: 971-978



Xu Y, Liu JZ, Xia C. Effects of palmitic acid on activity of uncoupling proteins and proton leak in *in vitro* cerebral mitochondria from the rats exposed to simulated high altitude hypoxia. *Acta Physiologica Sinica*, 2008, 60(1): 59–64

植物部分

Boudreaux B, MacMillan F, Teutloff C, Agalarov R, Gu F, Grimaldi S, Bittl R, Brettel K, Redding K. Mutations in both side of the photosystem I reaction center identify the phylloquinone observed by electron paramagnetic resonance spectroscopy. *The Journal of biological Chemistry*, 2001, 276: 37299–37306

Chen LS, Li PM, Cheng LL. Effects of high temperature coupled with high light on the balance between photooxidation and photoprotection in the sun-exposed peel of apple. *Planta*, 2008,

Fan MS, Zhu JM, Richards C, Brown KM, Lynch JP. Physiological roles for aerenchyma in phosphorus-stressed roots. *Functional Plant Biology*, 2003, 30: 493–506

Hamerlynck E, Knapp A. Photosynthetic and stomatal responses to high temperature and light in two oaks at the western limit of their range. *Tree Physiology*, 1996, 16: 557–565

Heck DA, Miles D, Chitnis PR. Characterization of two photosynthetic mutants of maize. *Plant Physiology*, 1999, 120: 1129–1136

Hippler M, Biebler K, Krieger-Liszkay A, van Dillewijn J, Rochaix JD. Limitation in electron transfer in photosystem I donor side mutants of *Chlamydomonas reinhardtii*. *The Journal of Biological Chemistry*, 2000, 275(8): 5852–5859

Lee TM, Chang YC, Lin YH. Difference in physiological responses between winter and summer *Gracilaria tenuistipitata* (Gigartinales, Rhodophyta) to varying temperature. *Bot. Bull. Acad. Sin.*, 1999, 49: 93–100

Li ZX, Qin SJ, Gao H, Lv DG, Ma HY. Effects of phenolic compounds on root respiration and root activity of *Carasus sachalinensis* Kom. *Allelopathy Journal*, 2009, 24(1): 113–122

Schluter U, Crawford RMM. Long-Term anoxia tolerance in leaves of *Acorus calamus* L. and *Iris pseudacorus* L. *Journal of Experimental Botany*, 2001, 52: 2213–2225

Zhang LT, Zhang ZS, Gao HY, Xue ZC, Yang C, Meng XL, Meng QW. Mitochondrial alternative oxidase pathway protects plants against photoinhibition by alleviating inhibition of the repair of photodamaged PSII through preventing formation of reactive oxygen species in *Rumex K-1* leaves. *Physiologia Plantarum* 2011, 143: 396–407



微生物部分

Brun S, Aubry C, Lima O, Filmon R, etc. Relationship between respiration and susceptibility to azole antifungals in *Candida glabrata*. Antimicrobial Agents and Chemotherapy. 2003, 47(3): 847-853

Havaux M, Niyogi KK. The violaxanthin cycle protects plants from photooxidative damage by more than one mechanism. Proc Natl Acad Sci USA., 1999, 96: 8762-8767

Lee TM, Chang YC, Lin YH. Difference in physiological responses between winter and summer *Gracilaria tenuistipitata* (Gigartinales, Rhodophyta) to varying temperature. Bot. Bull. Acad. Sin., 1999, 49: 93-100

Stoj C, Kosman DJ. Cuprous oxidase activity of yeast Fet3p and human ceruloplasmin: implication for function. FEBS Letters, 2003, 554: 422-426

Whitehead D, Boelman NT, Turnbul MH, etc. Photosynthesis and reflectance indices for rainforest species in ecosystems undergoing progression and retrogression along a soil fertility chronosequence in New Zealand. Oecologia, 2005

郭彤等 铜离子对引起猪腹泻的大肠杆菌K88杀菌机理的研究 中国预防兽医学报, 2004, 26(2), 127-130