

Algal Development: Molecular and Cellular Aspects



Filesize: 4 MB

Reviews

This type of publication is every thing and helped me seeking ahead and much more. It usually fails to charge too much. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Juliet Mertz)

ALGAL DEVELOPMENT: MOLECULAR AND CELLULAR ASPECTS



Springer. Paperback. Book Condition: New. Paperback. 204 pages. Dimensions: 9.6in. x 6.7in. x 0.6in. Although the 32 kDa-polypeptide (O-1) is a minor component of thylakoids in algae and higher plants, much attention has been focused on it. It was shown to be the binding site for herbicides (Pfister et al. 1981), the rapidly synthesized polypeptide of thylakoid membranes (Edelman and Reisfeld 1978; Owens et al. 1982) and to participate in Qa binding (Arntzen et al. 1984; Kyle et al. 1984; Ohad et al. 1984). Measurements of the stoichiometry of the various PS II polypeptides in *C. reinhardtii* showed that thylakoids contain about one herbicide binding polypeptide per one PS II unit and the accelerated light stimulated turnover of the 32 kDa-polypeptide was postulated to be the consequence of its function in quinone reduction. Based on comparison of amino acid sequence and hydropathy profile homologies of O-1 and O-2 with the subunits of the bacterial photosystem, recently a model was presented, in which the reaction center of photosystem II in algae and higher plants is formed by the polypeptides O-1 and O-2 (Trebst 1986). The structural gene of the 32 kDa-polypeptide (psbA) has been mapped on the chloroplast DNA and cloned from various plant species (for a review: Kyle 1985). The polypeptide is synthesized as a precursor on ribosomes bound to unstacked lamellae and there processed to its mature form (Edelman and Reisfeld 1978; Herrin and Michaels 1985). In *C. reinhardtii* the O-1 polypeptide is phosphorylated by a light-activated membrane bound kinase. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



[Read Algal Development: Molecular and Cellular Aspects Online](#)



[Download PDF Algal Development: Molecular and Cellular Aspects](#)

Relevant Books



Molly on the Shore, BFMS 1 Study score

Petrucchi Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Save Document »](#)



The Day I Forgot to Pray

Tate Publishing. Paperback. Book Condition: New. Paperback. 28 pages. Dimensions: 8.7in. x 5.8in. x 0.3in. Alexis is an ordinary five-year-old who likes to run and play in the sandbox. On her first day of Kindergarten, she...

[Save Document »](#)



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in. This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured...

[Save Document »](#)



DK Readers Day at Greenhill Farm Level 1 Beginning to Read

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. This Level 1 book is appropriate for children who are just beginning to read. When the rooster crows, Greenhill Farm springs...

[Save Document »](#)



Harts Desire Book 2.5 La Fleur de Love

Cajunflair Publishing. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 8.0in. x 5.0in. x 0.3in. Its late 1974, and high school student, Melinda Dawson is in serious trouble. Within two hours of revealing her suspected pregnancy...

[Save Document »](#)

**The Whale Tells His Side of the Story Hey God, Ive Got Some Guy Named Jonah in My Stomach and I Think Im Gonna Throw Up**

B&H Kids. Hardcover. Book Condition: New. Cory Jones (illustrator). Hardcover. 32 pages. Dimensions: 9.1in. x 7.2in. x 0.3in. Oh sure, we all heard the story of Jonah and the Whale a hundred times. But have we

[Save Book »](#)

**DK Readers Flying Ace, The Story of Amelia Earhart Level 4 Proficient Readers**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.8in. x 0.2in. Amelia Earhart was a famous woman pilot. She is about to set off on the most dangerous flight ever attempted. Find

[Save Book »](#)

**Gypsy Breynton**

Echo Library. Paperback. Book Condition: New. Paperback. 88 pages. Dimensions: 9.0in. x 6.0in. x 0.2in. Hon. Gypsy Breynton, Esq., M. A., D. D., LL. D., c., c. Gypsy Breynton, R. R.

[Save Book »](#)

**DK READERS Pirates Raiders of the High Seas**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in. Meet Pirates who got away with murder... and pirates who died in the hangman's noose! These 48-page books about

[Save Book »](#)

**Early National City CA Images of America**

Arcadia Publishing. Paperback. Book Condition: New. Paperback. 128 pages. Dimensions: 9.1in. x 6.4in. x 0.4in. Below the surface of bustling National City lies the story of olive and citrus orchards, grand Victorian homes, great wealth, and

[Save Book »](#)