Library Service Introduction

Patrick Danowski
Who we are

Rodrigo & Barbara & Patrick & Marton

&

Jana on leave
The library is at your desktop
Resources

• ~ 6000 eJournals
• Web of Science & Scopus
• JSTOR (Science Archive!)
• ACM Digital Library & IEEE
• JOVE - Journal of Virtual Experiments
• Video Courses
• eBooks
List of journals

http://ist.ac.at/en/library/library-services/electronic-resources/ejournals/browse/

Search
nature
List by Title  Extended search

You searched for:
- Title element "nature"

30 hit(s):
- freely available
- licensed and accessible at IST Austria
- only some of the volumes accessible
- only accessible via IST document delivery form

Exactly hits:
- Nature

Search results:
- Applications of Computer and Information Sciences to Nature Research (ACISNR)
- Human Nature
- Journal for Nature Conservation
In Vitro Differentiation of Mature Myofibers for Live Imaging
Video Courses
lynda.com

- >4500 courses
- programming
- data analysis
- digital imaging
- soft skills (presentations, writing, ...)
- Register at: http://iplogin.lynda.com/
eBooks

- Springer Protocols
- Lecture Notes in Computer Science, Mathematics, Physics
- EBSCO Academic Collection
- Current Topics in Developmental Biology
- Progress in Brain Research
- Methods in Enzymology, Cell Biology
What's about Books?

Small physical library
Basic literature
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Publisher</th>
<th>Availability</th>
</tr>
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<tbody>
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<tr>
<td></td>
<td></td>
<td></td>
<td>checked out (1)</td>
</tr>
</tbody>
</table>

Not what you expected? Check for suggestions.
Understanding Machine Learning: From Theory to Algorithms.
by Shalev-Shwartz, Shai
Publisher: Cambridge University Press, 2014
Tags from this library: No tags from this library for this title.  Add tag(s)

Holdings (4)  Comments (0)

<table>
<thead>
<tr>
<th>Item type</th>
<th>Location</th>
<th>Call number</th>
<th>Status</th>
<th>Date due</th>
<th>Item holds</th>
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<td>Book</td>
<td>Library</td>
<td>00x (Browse shelf)</td>
<td>Checked out</td>
<td>26/10/2014</td>
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<td>13/02/2015</td>
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<tr>
<td>Reference Book</td>
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<td>Not for loan</td>
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Total holds: 0
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Check out, return or renew an item:

Scan a new item or enter its barcode:

[Barcode field] Submit

Finish

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<th>Call no.</th>
<th>Due</th>
<th>Renew</th>
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<td>Moodle 2.0 E-Learning Course Development</td>
<td></td>
<td>29/01/2015</td>
<td>Renew item</td>
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<td>Rice, William. (ATISTA#000711)</td>
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By: Gutierrez-Rojas, Ivonne; Moreno-Sarmiento, Nubia; Montoya, Dolly
REVISIONE IBEROAMERICANA DE MICOLOGIA Volume: 32 Issue: 1 Pages: 1-12 Published: DEC 31 2015

2. Expression of the protein serum amyloid A in response to Aspergillus fumigatus in murine models of allergic airway inflammation
By: Moran, Gabriela; Carcamo, Carolina; Concha, Margarita, et al.
REVISTA IBEROAMERICANA DE MICOLOGIA Volume: 32 Issue: 1 Pages: 25-29 Published: DEC 31 2015

3. Detection of nitrifiers and evaluation of partial nitrification for wastewater treatment: A review
By: Ge, Shijian; Wang, Shanyun; Yang, Xiong, et al.
CHEMOSPERHE Volume: 140 Special Issue: SI Pages: 85-98 Published: DEC 2015

4. Bioaugmentation and its application in wastewater treatment: A review
By: Herrero, M.; Stuckey, D. C.
CHEMOSPERHE Volume: 140 Special Issue: SI Pages: 119-128 Published: DEC 2015

5. Identification of innovative potential quality markers in rocket and melon fresh-cut produce
By: Covello, Nicita; Coceta, Giacomo; Buitolfi, Roberto, et al.
FOOD CHEMISTRY Volume: 168 Pages: 225-233 Published: DEC 1 2015
Transcriptome Analysis Reveals that Red and Blue Light Regulate Growth and Phytohormone Metabolism in Norway Spruce (Picea abies (L.) Karst.)


Abstract

The mechanisms by which different light spectra regulate plant shoot elongation vary, and phytohormones respond differently to such spectrum-associated regulatory effects. Light supplementation can effectively control seedling growth in Norway spruce. However, knowledge of the effects of spectrum for promoting growth and phytohormone metabolism in this species is lacking. In this study, 3-year-old Norway spruce clones were illuminated for 12 h after sunset under blue or red light-emitting diode (LED) light for 60 d, and stem increments and other growth traits were determined. Endogenous hormone levels and transcriptomic differences in the current needles were assessed to identify genes related to leaf and blue light regulatory responses. The results showed that the stem increment and gibberellic acid (GA) levels of the seedlings illuminated by red light were 8.6% and 29.0% higher, respectively, than those of the seedlings illuminated by blue light. The indoleacetic acid (IAA) level of the seedlings illuminated by red light was 54.6% lower than that of the seedlings illuminated by blue light, and there were no significant differences in abscisic acid (ABA) or zeatin riboside (ZR) between the two groups of seedlings. The transcriptome results revealed 58,736,166 and 60,542,418 reads for the blue-light- and red-light-exposed samples, respectively. Illumina sequencing revealed 21,923 unigenes, and 2744 (approximately 4.0%) of these were differentially expressed genes (DEGs) were found to be upregulated under blue light. The main KEGG classifications of these DEGs were metabolic pathways (29%), biosynthesis of secondary metabolites (20.49%) and hormone signal transduction (8.39%). DEGs related to AUXIN-RESISTANT1 (aux1), AUX/IAA genes, auxin-inducible genes, and early auxin-responsive genes were upregulated under blue light; the auxin-responsive factor (ARF) and small auxin-up RNA (SAUR) were all upregulated under blue light compared with red light, which might be related to the lower GA level. Light quality also affects endogenous hormones by influencing secondary metabolism. Blue light promotes propanoid biosynthesis, phenylalanine metabolism, flavonoid biosynthesis and flavone and flavonol biosynthesis, which are related to plant development. In conclusion, red light may promote stem growth by regulating secondary metabolism and enhance plant growth, whereas blue light promotes flavonoid, lignin, phenylpropanoid and some hormones (such as jasmonic acid) which were related to plant development. These results might help to reduce the primary metabolites available for plant growth.
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**DOI**

**Type**
- Copy of article
- Book part
- Book

**Delivery method**
- Papercopy
- Email as PDF (if possible)

**Priority**
- normal

**Department** = Research Group

**First name**

**Last name**

**Email**

**Department**

[*required]*

**Author**
- Medina, M

**Title of article**
- Two "EvoDevs"

**Journal**
- Biology Theory

**ISSN**
- 1555–5542

**Year**
- 2010

**Volume**
- 5

**Issue**
- 1

**Pages**
- 7–11

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Publist

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1.  [remove]

[add more authors]

Title (required):
Titles in lower-case letters
Exception: first letter of title & proper nouns
No points at the end
(e.g. Computing elevation maxima by searching the Gauss sphere)

Select a type:
- Batch Import
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- Edited Conference Proceeding
- Edited Journal
- Conference Abstract
- Conference Paper
- Conference Poster
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- Journal Article
- Monograph
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- Other Non Academic Publication
- Patent
- Preprint
- Presentation / Lecture
- Technical Report
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- Web Page
- Web Article
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- Generic
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Upcoming Events

- May 25, 2016
  Nuclear Mechanics of Genome Reprogramming
- May 27, 2016
  Bacterial Biofilms, Phage Therapy, and Chronic Bacterial Infections – Complexity, Efficacy, and Mystery
- May 30, 2016
  Schrödinger’s smoke
- May 30, 2016
  An attempt at theoretical identification of the onset of transient turbulence in wall-bounded shear flows
- May 31, 2016
  Spin and Majorana qubits

→ View all events

Library News

- January 14, 2016
  IST Austria Open Access Publishing Fund
- December 9, 2015
  Springer Compact – Open Access publishing for authors of IST Austria for free
- August 20, 2015
  IFLA World Library and Information Congress
SSU Library
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