

.....	1
.....	2
.....	2
.....	4
.....	7
.....	9
.....	11
.....	13
.....	15
.....	17
.....	19
.....	20
.....	22
.....	25
.....	26
.....	27

1997

5

3

3

5

2

106

1

1

2

1

33

32

20

2009

	1954	1962		1986	
				1992	
	2003				
			200		2000
	20		1	1	7
8	1	3			
					41
2300				10	
	4				
274	SCI	31			
	4				
	16				
	14				
	1				

6

2

1

4

116

38

78

4

2

2

12

1

SNP

2

3

4

5

128

SIC

100

1

FOREST SCIENCE

90 ,

10

4

120

10

20

863 973

4

50

Plant

Cell Reports

Plant Biology

Biotechnology Letter

SCI

Genetic and Molecular Biology

Journal of Genetics and Genomic

Scientia Horticulturae

Acta Physiologiae Plantarum

30

SCI

2

EI

1

1

SNP

948

1

2

" "

SCI

1

1

1

SCI

Planta

Biochem Biophys Res Commun

Funct Integr Genomics

1

" "

" "

6

PeCPK10

"

"

DREB2

"

4

"

"

" 973"

4

2001

,2006

2007

15            6            4            4            1

20            1000  
120    SCI    21  
          1

                  1                    1  
                  1                    1  
                  3

                  52                    16                    36  
1

1)

2)

3)

,

4)

5)

6)

1

2

1  
40

OBC

IUCN/SSC

SCI

20

863

18

10

China

Botany Novon

40

Taxon Flora of  
Nordic Journal of

5

4

SCI

20

4

1

2

211

50

SCI EI

ISTP

20

1

6

7

1

2

32

2

	12	973	1		2	
1				1		1
	2500					
			1			
	6					
	150		SCI 45			
	7					
2008	27-30		23			2010

1

1

1

152

65

4

2008

1

**1**

**2**

**3**

20

80

6

40

40

4

Plant Physiology

60

20.0

60

5

10

SCI

20

10

Michigan State University

3

3

20

SCI

6

2011

948

20

2

2n

CBL-CIPK

10            4        SCI  
DNA

2011

2001

211

PCR

11

5

3

1

863

973

948

1

3

20

6

200

SCI

50

10

150

100

20

20

50

-

( )

-

( )

30

973

2

1

APX

Na<sup>+</sup>/H<sup>+</sup>

Na<sup>+</sup>/H<sup>+</sup>

H<sup>+</sup>-ATPase

afp

20

-6-

973

Arch. Biochem.

Biophys. Biochem. Biophys. Res. Commun. Comp. Biochem. Physiol. J. Exp.  
Zoolog. Mol. Dev. Evol.

, ( )

973

Plant Cell

1

1

14

5

7

800

5

15

100

SCI

10

30

60

60

2010

25

- 1**
- 2**
- 3**

3

1

-

5

38

ACE

alpha-

863

5

40

10

SCI

1

6

948

863

10

3

1

1

30

2000

2002

2008

211

10

7 1 4 1 1

80 SCI 10 14 400  
1  
4  
1

8  
1  
1

28 1 27  
2 2009  
1 2009

**(2)**

**(3)**

---

(4)

(5)

863

863

863 973

30 SCI 10

863

863

20

SCI

5

1

7

863 973

10

30

SCI 8

2008

7

2011

19

14

7

2

2

2

7 3  
1 1 1  
3 150  
1  
37 SCI 16

19

1

2

3

iPS

Integrative Biology

1 2  
1 973 1  
70 48 SCI "

" "

11

863 973  
50

Protoplasma

Journal of Integrative Plant Biology

Plant Cell Plant SCI  
phototropin