

Zimmer W., Bothe H. (1988) The phytohormonal interactions between *Azospirillum* and wheat. **Plant Soil** **110**, 6522-6526. This paper was cited 43 times until 2010.

Title: Phylogenetic diversity of non-nodulating Rhizobium associated with pine ectomycorrhizae

Author: Tanaka M (REPRINT) ; Nara K

Journal: FEMS MICROBIOLOGY ECOLOGY , 2009 , V 69 , N3 (SEP) , P 329-343

ISSN: 0168-6496 Publication Date: 20090900

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Effects of Azospirillum brasilense indole-3-acetic acid production on inoculated wheat plants

Author: Spaepen S; Dobbelaere S; Croonenborghs A; Vanderleyden J (REPRINT)

Journal: PLANT AND SOIL , 2008 , V 312 , N1-2 (NOV) , P 15-23

ISSN: 0032-079X Publication Date: 20081100

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Effects of rhizobacterial ACC deaminase activity on Arabidopsis indicate that ethylene mediates local root responses to plant growth-promoting rhizobacteria

Author: Contesto C; Desbrosses G; Lefoulon C; Bena G; Borel F; Galland M; Gamet L; Varoquaux F; Touraine B (REPRINT)

Journal: PLANT SCIENCE , 2008 , V 175 , N1-2 (JUL-AUG) , P 178-189

ISSN: 0168-9452 Publication Date: 20080700

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Aerobic nitric oxide production by Azospirillum brasilense Sp245 and its influence on root architecture in tomato

Author: Molina-Favero C; Creus CM; Simontacchi M; Puntarulo S; Lamattina L (REPRINT)

Journal: MOLECULAR PLANT-MICROBE INTERACTIONS , 2008 , V 21 , N7 (JUL) , P 1001-1009

ISSN: 0894-0282 Publication Date: 20080700

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Comparison of the effectiveness of wheat roots colonization by Azotobacter chroococcum and Pantoea agglomerans using serological techniques

Author: Narula N (REPRINT) ; Remus R; Deubel A; Granse A; Dudeja SS; Behl RK; Merbach W

Journal: PLANT SOIL AND ENVIRONMENT , 2007 , V 53 , N4 (APR) , P 167-176

ISSN: 1214-1178 Publication Date: 20070400

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Micronutrient composition of field-grown dry bean and wheat inoculated with Azospirillum and Trichoderma

Author: Ogut M (REPRINT) ; Er F

Journal: JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE-ZEITSCHRIFT FUR PFLANZENNAHRUNG UND BODENKUNDE , 2006 , V 169 , N5 (OCT) , P 699-703

ISSN: 1436-8730 Publication Date: 20061000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Nitrogen-fixing chemo-organotrophic bacteria isolated from cyanobacteria-deprived lichens and their ability to solubilize phosphate and to release amino acids and phytohormones

Author: Liba CM; Ferrara FIS; Manfio GP; Fantinatti-Garboggini F; Albuquerque RC; Pavan C; Ramos PL; Moreira CA; Barbosa HR (REPRINT)

Journal: JOURNAL OF APPLIED MICROBIOLOGY , 2006 , V 101 , N5 (NOV) , P 1076-1086

ISSN: 1364-5072 Publication Date: 20061100

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Nodulation and growth of bean plants inoculated with genetically modified rhizobium etli strains and azospirillum brasilense

Author: Er F (REPRINT) ; Kilic M; Brohi AR; Ogut M

Journal: AGROCHIMICA , 2004 , V 48 , N3-4 (MAY-AUG) , P 124-131

ISSN: 0002-1857 Publication Date: 20040500

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Plasmid-associated genes in the model micro-symbiont Sinorhizobium meliloti 1021 affect the growth and development of young rice seedlings

Author: Perrine FM; Hocart CH (REPRINT) ; Hynes MF; Rolfe BG

Journal: ENVIRONMENTAL MICROBIOLOGY , 2005 , V 7 , N11 (NOV) , P 1826-1838

ISSN: 1462-2912 Publication Date: 20051100

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Single and double inoculation with Azospirillum/Trichoderma: the effects on dry bean and wheat

Author: Ogut M (REPRINT) ; Akdag C; Duzdemir O; Sakin MA

Journal: BIOLOGY AND FERTILITY OF SOILS , 2005 , V 41 , N4 (MAY) , P 262-272

ISSN: 0178-2762 Publication Date: 20050500

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Beijerinckia dextrii releases plant growth regulators and amino acids in synthetic media independent of nitrogenase activity

Author: Thuler DS; Floh EIS; Handro W; Barbosa HR (REPRINT)

Journal: JOURNAL OF APPLIED MICROBIOLOGY , 2003 , V 95 , N4 , P 799-806

ISSN: 1364-5072 Publication Date: 20030000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Plant growth-promoting effects of diazotrophs in the rhizosphere

Author: Dobbelaere S; Vanderleyden J; Okon Y (REPRINT)

Journal: CRITICAL REVIEWS IN PLANT SCIENCES , 2003 , V 22 , N2 , P 107-149

ISSN: 0735-2689 Publication Date: 20030000

Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Production of indole-3-acetic acid by different strains of Azospirillum and Herbaspirillum spp.

Author: Radwan T; Mohamed ZK; Reis VM (REPRINT)

Journal: SYMBIOSIS , 2002 , V 32 , N1 , P 39-53

ISSN: 0334-5114 Publication Date: 20020000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Selection and evaluation of Azospirillum brasilense strains growing at a sub-optimum temperature in rhizocoenosis with wheat

Author: Kaushik R; Saxena AK; Tilak KVBR (REPRINT)

Journal: FOLIA MICROBIOLOGICA , 2001 , V 46 , N4 , P 327-332

ISSN: 0015-5632 Publication Date: 20010000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: *Beijerinckia derxii* stimulates the viability of non-N₂-fixing bacteria in nitrogen-free media

Author: Barbosa HR (REPRINT) ; Thuler DS; Shirakawa MA; Miyasaka NRS

Journal: BRAZILIAN JOURNAL OF MICROBIOLOGY , 2000 , V 31 , N3 (JUL-SEP) , P 168-173

ISSN: 1517-8382 Publication Date: 20000700

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Effect of inoculation with *Azospirillum brasilense* on development and yielding of winter wheat and oat under different cultivation conditions

Author: Swdrzynska D (REPRINT)

Journal: POLISH JOURNAL OF ENVIRONMENTAL STUDIES , 2000 , V 9 , N5 , P 423-428

ISSN: 1230-1485 Publication Date: 20000000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Role of maize root exudates in the production of auxins by *Pseudomonas fluorescens* M.3.1.

Author: Benizri E (REPRINT) ; Courtade A; Picard C; Guckert A

Journal: SOIL BIOLOGY & BIOCHEMISTRY , 1998 , V 30 , N10-11 (SEP) , P 1481-1484

ISSN: 0038-0717 Publication Date: 19980900

Language: English Document Type: ARTICLE

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Evaluation of indole acetic acid production by diazotrophic bacteria using a colorimetric method and HPLC

Author: Balota EL (REPRINT) ; Lopes ES; Hungria M; deLima J; Dobereiner J

Journal: ARQUIVOS DE BIOLOGIA E TECNOLOGIA , 1997 , V 40 , N2 , P 485-491

ISSN: 0365-0979 Publication Date: 19970000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Synthesis of indole-3-acetic acid by the saprophytic plant-associated bacterium *Agrobacterium radiobacter*

Author: Muronets EM (REPRINT) ; Belavina NV; Mitronova TN; Kameneva SV

Journal: MICROBIOLOGY , 1997 , V 66 , N4 (JUL-AUG) , P 423-428

ISSN: 0026-2617 Publication Date: 19970700

BUREAU 233 SPRING ST, NEW YORK, NY 10013

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Effects of azospirillum spp. on endogenous gibberellin content and growth of maize (Zea mays L) treated with uniconazole

Author: Lucangeli C; Bottini R (REPRINT)

Journal: SYMBIOSIS , 1997 , V 23 , N1 , P 63-71

ISSN: 0334-5114 Publication Date: 19970000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: Nitrogen fixation, nodulation and yield of clover plants co-inoculated with root-colonizing bacteria

Author: Oliveira A (REPRINT) ; Ferreira EM; Pampulha ME

Journal: SYMBIOSIS , 1997 , V 23 , N1 , P 35-42

ISSN: 0334-5114 Publication Date: 19970000

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: DELETERIOUS RHIZOSPHERE BACTERIA - AN INTEGRATING PERSPECTIVE

Author: NEHL DB; ALLEN SJ; BROWN JF

Journal: APPLIED SOIL ECOLOGY , 1997 , V 5 , N1 (JAN) , P 1-20

ISSN: 0929-1393

Language: ENGLISH Document Type: REVIEW (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: PRODUCTION OF INDOLE-3-ACETIC-ACID DURING GROWTH OF THE RHIZOSPHERE BACTERIA OF THE GENUS PSEUDOMONAS

Author: OLYUNINA LN; SHABAEV VP

Journal: MICROBIOLOGY , 1996 , V 65 , N6 (NOV-DEC) , P 709-713

ISSN: 0026-2617

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: INTERACTIONS AND PHYSIOLOGICAL-EFFECTS OF DIAZOTROPHIC BACTERIA AND ARBUSCULAR MYCORRHIZAL FUNGI IN CASSAVA PLANTS

Author: BALOTA EL; LOPES ES; HUNGRIA M; DOBEREINER J

Journal: PESQUISA AGROPECUARIA BRASILEIRA , 1995 , V 30 , N11 (NOV) , P 1335-1345

ISSN: 0100-204X

Language: PORTUGUESE Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: IMPROVEMENT OF THE NITROGEN UPTAKE AND NITROGEN-CONTENT IN MAIZE (ZEA-MAYS L) BY INOCULATION WITH AZOSPIRILLUM-BRASILENSE

Author: STANCHEVA I; DIMITROV I; KALOYANOVA N; DINEV N;
POUSHKAROV N

Journal: AGROCHIMICA , 1995 , V 39 , N5-6 (SEP-DEC) , P 299-306

ISSN: 0002-1857

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

**Title: INTERACTIONS OF AZOTOBACTER-CHROOCOCCUM,
AZOSPIRILLUM-BRASILENSE AND STREPTOMYCES-MUTABILIS, IN
RELATION TO THEIR EFFECT ON WHEAT DEVELOPMENT**

Author: ELSHANSHOURY AR

**Journal: JOURNAL OF AGRONOMY AND CROP SCIENCE-ZEITSCHRIFT
FUR ACKER UND PFLANZENBAU , 1995 , V 175 , N2 (SEP) , P 119-127**

ISSN: 0931-2250

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

**Title: GENETICS OF THE AZOSPIRILLUM-PLANT ROOT ASSOCIATION -
REVIEW**

Author: VANDEBROEK A; VANDERLEYDEN J

**Journal: CRITICAL REVIEWS IN PLANT SCIENCES , 1995 , V 14 , N5 , P
445-466**

ISSN: 0735-2689

Language: ENGLISH Document Type: REVIEW (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

**Title: CHARACTERIZATION OF INTERACTION BETWEEN AZOSPIRILLUM-
BRASILENSE AND PLANTS**

Author: PAVLOVAIVANOVA LK; BAKANCHIKOVA TI; KORTUNOVA EY

Journal: MICROBIOLOGY , 1995 , V 64 , N3 (MAY-JUN) , P 324-329

ISSN: 0026-2617

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: GIBBERELLIN FORMATION IN MICROORGANISMS

Author: RADEMACHER W

**Journal: PLANT GROWTH REGULATION , 1994 , V 15 , N3 (NOV) , P 303-
314**

ISSN: 0167-6903

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: DEMONSTRATION OF ABSCISIC-ACID IN SPORES AND HYPHAE OF THE ARBUSCULAR-MYCORRHIZAL FUNGUS GLOMUS AND IN THE N-2-FIXING CYANOBACTERIUM ANABAENA-VARIABILIS

Author: ESCH H; HUNDESHAGEN B; SCHNEIDERPOETSCH H; BOTHE H

Journal: PLANT SCIENCE , 1994 , V 99 , N1 , P 9-16

ISSN: 0168-9452

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: AZOSPIRILLUM-BRASILENSE INDOLE-3-ACETIC-ACID BIOSYNTHESIS - EVIDENCE FOR A NONTRYPTOPHAN DEPENDENT PATHWAY

Author: PRINSEN E; COSTACURTA A; MICHIELS K; VANDERLEYDEN J; ANONCKELEN H

Journal: MOLECULAR PLANT-MICROBE INTERACTIONS , 1993 , V 6 , N5 (SEP-OCT) , P 609-615

ISSN: 0894-0282

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: DIFFERENTIAL GENE-EXPRESSION IN AZOSPIRILLUM SPP BY PLANT-ROOT EXUDATES - ANALYSIS OF PROTEIN PROFILES BY 2-DIMENSIONAL POLYACRYLAMIDE-GEL ELECTROPHORESIS

Author: VANBASTELAERE E; DEMOT R; MICHIELS K; VANDERLEYDEN J

Journal: FEMS MICROBIOLOGY LETTERS , 1993 , V 112 , N3 (SEP 15) , P 335-342

ISSN: 0378-1097

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: LONG-TERM NITROGEN-BALANCE FOR PEARL-MILLET (PENNISETUM-GLAUCUM L) IN AN ACID SANDY SOIL OF NIGER

Author: HAFNER H; BLEY J; BATIONO A; MARTIN P; MARSCHNER H

Journal: ZEITSCHRIFT FUR PFLANZENNAHRUNG UND BODENKUNDE , 1993 , V 156 , N2 (APR) , P 169-176

ISSN: 0044-3263

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: INDOLEACETIC-ACID PRODUCTION BY THE RHIZOSPHERE BACTERIUM AZOSPIRILLUM-BRASILENSE CD UNDER INVITRO CONDITIONS

Author: OMAIY SH; SCHMIDT WA; MARTIN P; BANGERTH F

Journal: CANADIAN JOURNAL OF MICROBIOLOGY , 1993 , V 39 , N2 (FEB) , P 187-192

ISSN: 0008-4166

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: TRYPTOPHAN CONVERSION TO INDOLE-3-ACETIC-ACID VIA INDOLE-3-ACETAMIDE IN AZOSPIRILLUM-BRASIENSE SP7

Author: BAR T; OKON Y

Corporate Source: HEBREW UNIV JERUSALEM,FAC AGR,DEPT PLANT PATHOL& MICROBIOL/IL-76100 REHOVOT//ISRAEL/

Journal: CANADIAN JOURNAL OF MICROBIOLOGY , 1993 , V 39 , N1 (JAN) , P 81-86

ISSN: 0008-4166

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: INFLUENCE OF VESICULAR-ARBUSCULAR MYCORRHIZA ON PHYTOHORMONE BALANCES IN MAIZE (ZEA-MAYS L)

Author: DANNEBERG G; LATUS C; ZIMMER W; HUNDESHAGEN B; SCHNEIDERPOETSCH H; BOTHE H

Journal: JOURNAL OF PLANT PHYSIOLOGY , 1993 , V 141 , N1 (JAN) , P 33-39

ISSN: 0176-1617

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: INDUCTION OF INDOLE-3-ACETIC-ACID SYNTHESIS AND POSSIBLE TOXICITY OF TRYPTOPHAN IN AZOSPIRILLUM-BRASIENSE SP7

Author: BAR T; OKON Y

Journal: SYMBIOSIS , 1992 , V 13 , N1-3 , P 191-198

ISSN: 0334-5114

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: DIFFERENTIAL-EFFECTS OF AZOSPIRILLUM, AUXIN AND COMBINED NITROGEN ON THE GROWTH OF THE ROOTS OF WHEAT

Author: BOTHE H; KORSGEN H; LEHMACHER T; HUNDESHAGEN B

Journal: SYMBIOSIS , 1992 , V 13 , N1-3 , P 167-179

ISSN: 0334-5114

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: CLONING AND GENETIC-ANALYSIS OF THE TRYPTOPHAN GENES OF AZOSPIRILLUM-LIPOFERUM

Author: RAMSCHUTZ S; KRAFT K; KLINGMULLER W

Journal: SYMBIOSIS , 1992 , V 13 , N1-3 , P 159-165

ISSN: 0334-5114

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: EFFECTS OF INOCULATION OF MAIZE AND SPECIES OF TRIBE TRITICEAE WITH AZOSPIRILLUM-BRASIENSE

Author: STANCHEVA I; DINEV N

Journal: JOURNAL OF PLANT PHYSIOLOGY , 1992 , V 140 , N5 (OCT) , P 550-552

ISSN: 0176-1617

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: TRENDS IN BIOLOGICAL NITROGEN-FIXATION RESEARCH AND APPLICATION

Author: ISHIZUKA J

Journal: PLANT AND SOIL , 1992 , V 141 , N1-2 (MAR) , P 197-209

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: RELATIONSHIP BETWEEN TRYPTOPHAN BIOSYNTHESIS AND INDOLE-3-ACETIC-ACID PRODUCTION IN AZOSPIRILLUM - IDENTIFICATION AND SEQUENCING OF A TRPGDC CLUSTER

Author: ZIMMER W; APARICIO C; ELMERICH C

Journal: MOLECULAR & GENERAL GENETICS , 1991 , V 229 , N1 , P 41-51

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL

Title: CURRENT STATUS OF AZOSPIRILLUM INOCULATION TECHNOLOGY - AZOSPIRILLUM AS A CHALLENGE FOR AGRICULTURE

Author: BASHAN Y; LEVANONY H

Journal: CANADIAN JOURNAL OF MICROBIOLOGY , 1990 , V 36 , N9 , P 591-608

Language: ENGLISH Document Type: REVIEW

Cited References:

... ZIMMER W, 1988, V110, P239, PLANT SOIL