

Ephraim Epstein

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27
papers

1,440
citations

20
h-index

27
g-index

27
ext. papers

1,538
ext. citations

5
avg, IF

3.75
L-index

#	Paper	IF	Citations
27	Indole-3-butyric acid in plants: occurrence, synthesis, metabolism and transport. <i>Physiologia Plantarum</i> , 1993 , 88, 382-389	4.6	167
26	Concentration and Metabolic Turnover of Indoles in Germinating Kernels of Zea mays L. <i>Plant Physiology</i> , 1980 , 65, 415-21	6.6	167
25	Characterization of auxin conjugates in Arabidopsis. Low steady-state levels of indole-3-acetyl-aspartate, indole-3-acetyl-glutamate, and indole-3-acetyl-glucose. <i>Plant Physiology</i> , 2000 , 123, 589-96	6.6	113
24	Auxin-conjugate hydrolysis in Chinese cabbage: Characterization of an amidohydrolase and its role during infection with clubroot disease. <i>Physiologia Plantarum</i> , 1996 , 97, 627-634	4.6	95
23	Identification and quantification of IAA and IBA in Azospirillum brasilense-inoculated maize roots. <i>Soil Biology and Biochemistry</i> , 1989 , 21, 147-153	7.5	93
22	Indole glucosinolate and auxin biosynthesis in Arabidopsis thaliana (L.) Heynh. glucosinolate mutants and the development of clubroot disease. <i>Planta</i> , 1999 , 208, 409-19	4.7	85
21	Indole-3-butyric acid in Arabidopsis thaliana. <i>Plant Growth Regulation</i> , 1993 , 13, 179-187	3.2	70
20	Comparison of movement and metabolism of indole-3-acetic acid and indole-3-butyric acid in mung bean cuttings. <i>Physiologia Plantarum</i> , 1988 , 74, 556-560	4.6	67
19	Microscale preparation of pentafluorobenzyl esters. <i>Journal of Chromatography A</i> , 1981 , 209, 413-420	4.5	64
18	Indole-3-butyric acid (IBA) is enhanced in young maize (Zea mays L.) roots colonized with the arbuscular mycorrhizal fungus Glomus intraradices. <i>Plant Science</i> , 1997 , 125, 153-162	5.3	62
17	Characterization and Rooting Ability of Indole-3-Butyric Acid Conjugates Formed during Rooting of Mung Bean Cuttings. <i>Plant Physiology</i> , 1989 , 91, 1080-4	6.6	60
16	Occurrence and in Vivo Biosynthesis of Indole-3-Butyric Acid in Corn (Zea mays L.). <i>Plant Physiology</i> , 1991 , 97, 765-70	6.6	52
15	Concentrations of indole-3-acetic acid in plants of tolerant and susceptible varieties of Chinese cabbage infected with Plasmodiophora brassicae Woron. <i>New Phytologist</i> , 1993 , 125, 763-769	9.8	49
14	Endogenous Auxin and Ethylene in the Lichen Ramalina duriaei. <i>Plant Physiology</i> , 1986 , 82, 1122-5	6.6	44
13	Identification of indole-3-butyric acid as an endogenous constituent of maize kernels and leaves. <i>Plant Growth Regulation</i> , 1989 , 8, 215-223	3.2	43
12	Carbohydrates stimulate ethylene production in tobacco leaf discs : I. Interaction with auxin and the relation to auxin metabolism. <i>Plant Physiology</i> , 1985 , 78, 131-8	6.6	34
11	The in vitro biosynthesis of indole-3-butyric acid in maize. <i>Phytochemistry</i> , 1995 , 40, 61-68	4	27

10	Overexpression of Maize IAGLU in <i>Arabidopsis thaliana</i> Alters Plant Growth and Sensitivity to IAA but not IBA and 2,4-D. <i>Journal of Plant Growth Regulation</i> , 2005 , 24, 127-141	4.7	25
9	Indole-3-acetic acid and indole-3-butyric acid in tissues of carrot inoculated with <i>Agrobacterium rhizogenes</i> . <i>Journal of Plant Growth Regulation</i> , 1991 , 10, 97-100	4.7	24
8	Indole-3-butyric acid in <i>Arabidopsis thaliana</i> III. In vivo biosynthesis. <i>Plant Growth Regulation</i> , 1994 , 14, 7-14	3.2	22
7	Indole-3-butyric acid in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 1993 , 13, 189-195	3.2	19
6	Interactions between auxin and ethylene in root-knot nematode (<i>Meloidogyne javanica</i>) infected tomato roots. <i>Physiological and Molecular Plant Pathology</i> , 1986 , 28, 171-179	2.6	19
5	Transgenic Tomato Plants with a Modified Ability to Synthesize Indole-3-acetyl- β -D-glucose. <i>Journal of Plant Growth Regulation</i> , 2005 , 24, 142-152	4.7	15
4	Levels of free and conjugated indole-3-acetic acid in ethylene-treated leaves and callus of olive. <i>Physiologia Plantarum</i> , 1982 , 56, 371-373	4.6	10
3	The Fate of 1,2- ¹⁴ C-(Chloroethyl) Phosphonic Acid (Ethephon) in Olive (<i>Olea europea</i>). <i>Physiologia Plantarum</i> , 1977 , 39, 33-37	4.6	7
2	Indole-3-acetic acid is converted to indole-3-butyric acid by seedlings of <i>Zea mays</i> L.. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1992 , 188-193		6
1	Role of Sucrose in the Metabolism of IAA-Conjugates as Related to Ethylene Production by Tobacco Leaf Discs 1984 , 97-98		1