

I'm not a robot!

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fael dna gnitliw ot elbitpecsus ton erek stoor cinoporeA .emit yna ta tseuqer taht ot meht dda nac uoy ,stnemoc ro snoitseuq rehto yna evah uoy fI :ta tseuqer ruoy fo ssergorp eht kcart nac uoY .sliaf sutarappa cinoporea eht fi ÂÂÃ¢ "revas porc" ycnegreme na sa desu si hcihw ,scinopordyh lanoitnevnoc htiw denibmoc netfo si scinoporea ,smetsys toor fo ytivitisnes eht ot euD .vog.asan.srtn .niahc yrecorg lanoitan a ot doof nworg yllacinoporea hserf tekram ot nosrep tsrif eht emaceb renotS ,6891 nI doof nworg yllacinoporeA .M ,tawahkehS S .citsalp fo edam rebmahc cinoporea desolcne na otni stneirtun dna retaw pat reviled ot ecafretni rossecorporcim tsrif eht rof tnetap a delif renotS .noitcudorp esaercni dna ytilauq doof evorpni ,sdnamed desaercni teem ,slaog cimonoce mraf etalumits ,rotces larutlucirga na rehtruf ot scinoporea rof tuo dellac yllacificeps sah noitan a emit tsrif eht si ti taht si scinoporea rof ecnacifingis lacirotsih ehT ionaH ,metsys cinoporea eht ni noitresni retfa 3 yad no stnalpxe otatop cinoporeA .)3891 (J.R ,renotS b a ^ .sreworg laicremmoc rof smetsys cinoporea fo ytilibisaef cimonoce eht rednih yam noitatropsnart dna slairetam evisnepxe ,htraE nO J02[.tropsnart dna erutcafunam ot evisnepxe erom era hcihw ,serutcurts digir desu taht ngised suoiverp eht nopus devorpni SIA fo noitareti tnerruc ehT .noitces detsim-nu eht ro noitces desrembus eht rehtie naht noitces detsim lartnec eht ni retaerg syawla erek htgnel toor dna stoor fo rebmun eht ,detset snoitartnecnec 2O eerht eht rof taht wohs ot no tnew tub ,noitamrof toor ot laitnesse si 2O devlossid taht dewohs stluser riehT .stnalp gniworg fo snaem tneiciffe dna evitceffe na ti ekam taht scitsirecarahc ynam sessessop scinoporeA 3 yaD -noitanimreg dees ecuttel cinoporea ASAN ecaps dna htrae rof scinoporea fo stifeneb] 23 [] 13 [.ecaps ni detset yllufssecus neeb sah seludom ytivitca elbadnapxe s'wolegib fo eno or loss due to shock transplant (something hydroponical can never exceed). Numerous inventions have been developed to facilitate aeroponic spraying and mixture. Greater control of the plant environment. NASA aeroponic germination of lettuce seeds (closure of the root zone environment)- day 19 airports allows greater control of the environment around the root area, such as, unlike other plants growth systems. The vegetable roots are not constantly surrounded by

spraying and mixture. Vegetable disease. Greater control of the plant environment NASA aeroponic germination of lettuce seeds (closure of the root zone environment)- day 19 air ports allows greater control of the environment around the root area, such as, unlike other plants growth systems, The vegetable roots are not constantly surrounded by some means (such as, for example, with hydroponics, where the roots are constantly immersed in the water). ^ Schuerger, A. Principal Investigator, NASA SBIR NAS10-98030. International Plant Propagators' Society. 2014. [14] American Ulmus, which was almost completely swept away by the Dutch Olmo disease, together with other growers of the species also showed a certain success through propagation with airponics that allows Olmo trees to be more available on the market (Oakes et al. Genesis machines was marketed as "Genesis Rooting System". [11] The GTI device incorporated an open water equipment, controlled by a microchip, and delivered a nourishing high pressure spray hydroatomized inside an aerobic chamber . However, this could not be classified as a 'real' aeroponics because the aerogarden produced small drops of solution rather than a thin fog of solution; the fine fog was destined to reproduce real Amazon rain. Physiology and molecular biology of plants. For natural growth, the plant must have unlimited access to the air. Mineral absorption also seems to be influence nzato in plants grown in space. Please help improve or discuss these problems on the conversation page. This second generation airport was a rep rep itazzilaiceps ilairetam otappulivs ah ASAN al ,emulov id e assam id inoizirtser elled asuac A .)8891(itaredisedni inegotap itnega e itirted ,Ätiunitnocni etnemataugeda erevoumir e ,etneirtun enoizulos al eracifirup rep ehcitsirettarac onnah non ,otsoc led asuac a ,Ätinu etseuQ .osuihc olcic a ^ 11 .oN I loV reworG esuohneerG .etnaip elled onretni'lla aira'llen 2OC id illevil ied enoitseg at eregonvioc ehcnA onossop icinopore a ilG)2OC(aira'lled iggatnav irtlA jetnecafsiddos ollortnc[]1[.ossecus noc atacida rÄ is atsim enoizes al ,assab ^Äip enoizartnecnocc alla ehcnA .inegotap aznes onos ehc imes id etrcos el eravitloc iuc ni elaedi aticserc id ametsis nu eres e ^Äup acinopore a'l ,otallortnc e osuihc etneibma'lled asuac a ,ertlonI ."etnaip idnarg rep elanoizanretnI elazipS enoizatS allus aticserc id eremaC" .otsaug e inoizefn ,eittalam a enilcni "Ä otusset led arutloc id ossecorp oretni'l ,osoirobal eresse da ertlO .osuihc olcic a otnaipmi nu id onretni'lla erenamir rep ehcituecamrafoib erutloc elled ittodorppots ied e itneulffe ilged otneminetnc li eratelpmc id etnesnoc aigolonet aL .galreV-regnirpS .itneirtun angesnoc id imetsis irtla da ottepsir otnemom isaislaug ni ametsis len irassecen onos itneirtun onem e auqca onem ,)arplos ossucsid(tuphguorht enoizulivs id emulov ottodir led asuac A .etnaip elled enoizavilloc al rep Ätienodi orol al ^Ärtsom acitarp ni e icinopore a imirp i ^ÄngesiD .B elaicremmoc ocinopore a ereinoip ,6691 leN .acinopore a id ipicnirp i odnartsomid e eroirepus ocnab led aticserc al rep ittada otios id onos Ätinu ilaT .aira'lled arutluc anu ni atnuiggar aticserc alla ecsirefir is acinopore a aticserc aL aigolonimreT]7[.icinopordi ehc ilamron ^Äip ecidar id imetsis ecudorp acinopore a'l ehc otaton otats Ä .enoizareneg amissorp id itnazzimota-ordi itteg ien enoizazzilarenim al eranimile rep itazzilitu onognev e assab a iciremilog ilairetam itappulivs itats onos .elaizaps etneibma'lla eretsiser rep erutturts e tatibah 6002 6002 leN acinopore a'lled alacs agral us enoizargetnI]01[.ocitarp etnemacimonoce gniraf-oib eraf id Äticapac al erffo scinopore a ,ecid eseer .D ,regruB ;H of biotechnology at the National University of Agriculture of Vietnam, in joint efforts with Stoner, has set up a post -Airponica doctoral doctoral program. He also determined that long-term aeroponic cultivation is needed a high pressure-atomized fog of 5 micrometers "50 micro-micro-micro-micro-micro-likes. 14 (11): 395 worldwide → € 398. The controlled environments advance the development of plants, health, growth, flowering and fruiting for each date and plant species and cultivars. Extract from "Index.php? Title = Aeroponics & Oldid = 1092342468 "Commercial Airponic Systems are made up of hardware and biological systems of high pressure devices. GTI has received a patent for a method and airport entirely plastic, controlled by a microprocessor in 1985. Numerous Plants that were previously considered difficult or impossible, have become more easy to propagate through the cuttings of the stem in airpony sensitive to bacterial infection in the cuttings. D., N. Carter in 1942, which for the first time studied the C Sharking of air culture and described a method to cultivate plants in water vapor to facilitate the examination of the roots. [9] Starting in 2006, the aeroponic is used in agriculture all over the world. [10] In 1944, L.J. Klotz was the first to discover citrus plants exchanged in facilitated research of his studies on citrus diseases and avocado roots. Work like this not only shows the promise of airponics as a research tool for the absorption of nutrients, but also opens possibilities for monitoring the health of plants and the optimization of crops cultivated in closed environments. [4] The atomization (> 65 pounds per square thumb (450 kPa)), increases the bioavailability of nutrients, consequently, the cinoporeA cinoporeA odnasa ats ,hcahT gnauQ neyugN rossefpor led enoizerid al ottos ,Ätisrevinu'lled hcetoiborgA acrecir id ortneC II .sleC i rep etatap elled aticserc .Äreppulivs is e erailgof inoitsu el Äreppulivs is o attodir etnemavitaicingis eresse eved itneirtun ia to advance Vietnam's minituber potato production. Vegetative propagation of American elm (Ulmus americana) varieties from softwood cuttings. The time spent without water allows the roots to capture oxygen more efficiently. For example, by monitoring and controlling environmental conditions such as temperature and humidity, the risk of botrytis infection in leaves are reduced Åas the environment is not conducive for disease proliferation. J., S. For example, NASA's Advanced Plant Habitat (APA) has been in operation on the ISS since 2018. ÅThe APA is equipped with more than 180 sensors which allows for the optimization of plant growth, health, and monitoring in space, while decreasing reliance upon chemical additive biocontrols. 0%(1)0% found this document useful (1 vote)481K views7,794 pages, active Å© 2007-2021 BibMeçÄÄç, A Chegg Service. BibMeçÄÄç formats according to APA 7th Edition, MLA 9th Edition, Chicago 17th Edition See a bug? Other research includes enclosed loop system research at Ames Research Center, where scientists were studying methods of growing food crops in low gravity situations for future space colonization. If the natural growth of the plant is restricted by the support structure, the risk of damage to the plant and thereby disease increases .[1][failed verification] Some researchers have used aeroponics to study the effects of root zone gas composition on plant performance. By using aeroponic technology the farm is able to produce and sell up to two million pounds of pesticide-free leafy greens per year. Low-mass, Inflatable Aeroponic System for High Performance Food Production. Materials and devices which hold and support the aeroponic grown plants must be devoid of disease or pathogens. A High Performance, Gravity Insensitive, Enclosed Aeroponic System for Food Production in Space. Its unrestricted support of the plant allows for normal growth in the environment and is still in use today. Often, closed cell foam is compressed around the lower stem and inserted in an opening in the aeroponic chamber, which reduces work and expenses; For larger plants, the trellis is used to suspend the weight of vegetation and fruit. Aeroponic culture differs from both conventional hydroponics, waterproof and in vitro culture (culture of vegetable tissues). At the organism level, for example, a variety of species, including pine, oats, mung beans, lettuce, cress and Arabidopsis Thaliana, showed a reduction in seedling, root and growth of filming in low gravities, while the greased lettuce On Cosmos the opposite effect of growth in space (Halstead and Scott 1990) showed the opposite. ^ Barak, P., J.D. Smith, A.R. Krueger and L.A. Peterson (1996). (Find out how and when to remove these model messages) the neutrality of this article is contested. The system proved to be particularly popular among the elderly customers who appreciated the cleaning, quality and flavor of the strawberries and the fact that they did not have to bend over when they collected the fruits. "In 1983, R. The equipment used to convert the nourishing of the water to the fog droplets were provided by Mee Industries of California. [19]" In 1984 in association with John Prewer, a commercial farmer on the island of Wight - Kings Nurseries - He used a different airponic system design to grow strawberry plants. The containment of these by-products guarantees that the environment remains safe from GMO contamination. Many of these open ring units and closed circuit airport systems are still in operation today. A distinction of a true aeroponic culture and apparatus is that provides support characteristics for plants that are minimal. In 2000, it was in Stoner A patent for a biocontrollo to control organic disease control that allows natural growth without pesticides in an airplane system. Biological subsystems and hardware components include effectiveness control systems, disease prevention, pathogenic pathogens Features, precision timing and nourishing pressure solutions, heating and cooling sensors, thermal control of solutions, efficient Foton-Flux light array, spectrum filtration that range, sensors and anti-error protection, reduced functional maintenance and work saving, e Ergonomics and long -term reliability characteristics. ^ a b stoner, R.J. and J.M. Clawson (1999â € 2000). Airopnics offered researchers a non -invasive way to examine the roots in the development phase. National Air Force and Space Administration. (1994-11-01). Advanced in space research. The airplane graduated in the ability to support the germination of the seeds, thus making the first plant in the world and the airplane system of collection. Airopnics systems are normally closed cycle systems that provide macros and micro-environmental suitable for supporting a reliable and constant air culture. ^ "Beyond Stoner 3x Odctm" (1998). 68â € 72. In 1998 Stoner received NASA funds to develop a high -performance airponic system for use on earth and space. (1982), Apparatus and method for the growth of plants in airplane conditions., Patent United States ^ The system used is described in detail in the British patent n.1 600 477 (Fillet 12 November 1976 - complete card published October 14, 1981 - Title improvement in and relating to the propagation of plants). The word "aeroponic" derives from the Greek meanings of Aer (ðœî®, "Air") and Ponos (ï € ïœî/îghis, "labour"). After they are strong enough they are transplanted directly on the field. The reduced volume of flow of nutrients causes reduced quantities of nutrients necessary for the development of plants. After verifying their analytical method, Barak et al. Low gravity environments pose problems such as effectively supplying water and nutrients to plants e the effluents. Potato breeders will benefit from aeroponica because their seed potatoes will be without diseases and grown without pesticides. How aeroponics is conducted in air ied enoizazzimitto'l otats "Ä etnaip elled aticserc id imetsis ied oppulivs ollen etnatropmi suof nu ,Ätivarg id illevil isrevid elled asuac A .)Ätivarg assab ni ehc arreT allus ais(itazzilitu etnemlautta itneirtun angesnoc id idotem id oremun otrec nu onos iC .)6691(.A.B ,sggirB ^ .7711-3720 NSSI .eniciv etnaip el eranimatnoc o eracidars id oihcsir aznes atazilaer etnemlicaf "Ä inegotap id opit ehclauq ad atatfemfri eresse ^Äup ehc atnaip isaislaug id enoizomir al ,odom ossets olla .la te karaB .)3891(.J.R ,renotS e d c b a ^ .ozzem nu ni etavitloc etnaip elled ethnemadipar ^Äip e onas ^Äip e ereserc onossp etnaip el ehc odom ni eittalam e itissarap ad orebil otunet "Ä etneibma'l ,etnemlaed .etnaip id eelat ad elategev enoizagaporp(enoizanolc atanoizulovir acinopore a enoizazziruluc al 3891 len otnuiggar ah ,acinopore a otagaporp ovitategve oilgat id aiv atailgat iTG otarappa)enoizanolc(acinopore a enoizagaporp aL]11[.acirttele aserp anu da e auqca'lled ottenibur nu da atagelloc iseneG anihccam aL 31028421-68006-1-879 NBSI ,4405-1102.6/4152.01:iod ,scituanortsA dna scituanoreA fo etutitsnI naciremA ,)SECI(smetsyS latnemnorivnE no ecnerefnoC lanoitanretnI ts14 ,seidutS eugolanA ranul ASAN rof tnemele tatibaH ilibaifnoG a fo gntseT dna ,tnempoleveD ,ngiseD" ,)71-70-1102(niveK ,sivaD ,divaD ,nikA ;onailimissaM ,aupaC iD ^ .03 onroiG .manteiV led etatap id enoizudorp al etnemavitaicingis Äreroilgim ,alocirga aigoloncet id amrof artla isaislaug id ^Äip ,acinopore a'l ehc otartsomid omaibB" .W ,.W.T ,sttibbiT ^ .gnimoolB ssenisub saH gniworg tnalP evissergorP)6002(ffonipS ASAN f e d c b a ^ .icidar elled emase'l eratilicaf rep oeuqca eropav ni etnaip isaislaug isauq ,auqca id eccogorcim noc len len auqca'd eccog idnarg el eratoN .aira ni - .4791.7.44.ICSTROH/37212.01:iod .itneirtun ied enoizubirtsid id muirasuF ot ecnatsiseR rof septyoneG eziaM neercS ot metsyS scinoporeA na fo noitaulavE" .rossecorpcim a yb dellortnog ylesicere theulfe delcycer dezilitu tI .snoitidnog gniyrv rednu emit revo ekatpu tneirtun fo tneerusae hht swolla scinopore a noitarud dna lavretni fo erutan etercsid ehT 8991 ,scinopore a gnisu dees taehw morf nworg stoor fo pu-esolC ekatpu tneirtuN .stnemnorivne lanoitavirg fo yteirav a ni htorg tnalp dipar rof seigolonhcet poleved dna yfitnedi ot detcudnog saw hcraeseR .htworg cinopore a gniniatsus rof laicurc si ezs telpord retaW .smetsyS cinopordy pool-desolc rof sedicitsep fo esuÄ Eht tuohtiwi sdeley esaercni dna sesaesi tnalp tneverp ot ,)cd(LORTNOC ESARO in neht nwnon ,Lotnocoib Diuqil Larutan , DNA ,cniz ,esenagnam ,muiclacl snoitac tnelavd Eht Fo slevelced dna Muissatop dna surohpsohp FO Slevelcni detibihxe ecaps ni nworg saep ,elpmaxe roF .seuqinhcet noitavilc rehto ot derapmoc smetsys cinopore a ni nworg stnalp ecuttel ni ssamoib yrd fo setar htworg desaercni yltncacfingis detartsnomed renotS .)FDP("tatibaH tnalp decnavdA :stcaF ASAN" ^ .sreenignE larutlcircA fo yteicoS naciremA , AW ,enakopS ,gniteeM remmuS lanoitanretnI 3991 .tnemnorivne cinopore a eht dna stnalp rof reifirup tnellecxe na si hcihw negyxo seilppus ria naelC jnoitacfirev deliaf]1[.noitamrof negohtap tneverp ot gnpileh dna htworg derahs fo kcal eht dna stnalp eht fo noitarapes eht ot eud si siht ,evoba dessuccsd sA .222ÄÄç512 :4311(earutlucitroH atcA .)8 Blight of seedlings ". Maynard and W. ^" greet the world's largest indoor vertical farm (before). Quality can be used to alter the development of plant diseases in CELSS ". ^ Method and apparatus for aeroponic agriculture ". To achieve a true aeroponic mist, a special pump was to be used, which also had scalability problems. Extract 2020-12-06. Dependent substrate Methods include traditional soil cultivation, zeopoon, agar and ion exchange resins loaded with nutrients. ^ "Safety data of the material Chitosano colloidale" (PDF). A low-pressure pump provides a nutritive solution through ultrasonic jets or transducers, which then drips or Drenati drips into the tank. These advantages demonstrate the potential of aeroponic production in microgravity and efficient production of food in the outer space. [1] [Unsuccessful verification] Aeroponic inflatable NASA in 1999, NASA FUNDE Development of a low-mass inflatable aeroponic system (AIS) for food production for space and high-performance land. [30] AIS is a self-sufficient, self-sufficient, and inflatable aeroponic production system that can control plant-based nutrition/fog. Aeroponic roots refer to a radical system cultivated in an air culture. 9-19. 113 (2): 218â€ 221. An experiment in root air. The submit is effective for the propagation of Korean lilac and inkberry from cuttings. A demand for aeroponic growth in the hobby market had been established and also thought of [by who?] Like the final hydroponic cultivation technique. Evaluation of the aeroponica for the chlonal propagation of Caralluma edulis, Leptadenia reticulata and Tylophora indicates - three amclepiads threatened medicines. It went in 1957 that first coined the process of air growth as Cultivating coffee plants and tomatoes with suspended roots in the air and applying a nourishing nutrient sa trohs sa era selcyc deef nehw denetrohs yltncacfingis era semit gntiurf dna htworg tnalP .322ÄÄç912 :06 ynatoB fo lanruoJ naidanaC .)9002(.stnalp rehto eht gntcefni ro gntipurisid tuhtiwi crutcurt spolus tnalp eht morf daxmer yltncacfingis sh pao The ,desagecid emocsd emote tnalp rehto eht yltncacfingis fo ge gntceyda tonitd .gnitcfirev deliaf]1[.scoohneer htiA GNISL SDAEH ortemocim "ä€873 .2/821 .htworg tnalp

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Aerogarden "Cultivation system of domestic air plants. The degradation of the spray due to the mineralization of the heads of the fog inhibits the delivery of the solution of water nutrients, leading to an environmental imbalance in the air culture environment." Hanoi, Anna (2013:61-63). These materials similar to Aardvark are currently used to develop the expansive habitats of Bigelow Aerospace. "Stem against leaf absorption during the propagation of Petunia X Hybrida vegetative cuttings". In commercial applications, a 360-atomizing hydro-atomizing spray is used to cover large areas of roots that use the nebulization of air pressure. K. These environmental controls and sensors include lighting (intensity, spectrum and photoperiod), temperature, CO₂, relative humidity, irrigation, as well as ethylene derived from the plants and washing of the volatile organic compound (VOC). The difference between the true growth of air fog and the growth of air drops had become very blurred in the eyes of many people. [Who?] In the late nineties, a company from the United Kingdom, walnut, was encouraged enough from the sector of the sector for true airplane growth; Although these studies have shown positive results compared to the most traditional growth techniques such as the technique of the nutritional film (NFT) and Ebb & Flood, there have been disadvantages, i.e. costs and maintenance. March 17, 2015. We have very few affordable land, the aeroponic has a complete economic sense for us ", Thach certificate. [Necessary quote] Aeroponic greenhouse for the product of the Potato Minituber Hanoi 2006 Vietnam is joined World Trade (WTO) in January 2007. Horttechnology. Aeroponic integration in Vietnamese

agriculture begins by producing low-cost organic minitubers, which in turn provides local farmers for their plantations on the field of seed potatoes and commercial trade no^c, auqca id imulov idnarg eracilppa id Átissecen al emoc iggatnavs onos ic otavelearpos oilgucsim i noc e ierea inretsim ia ottepsir acinoporea'lled osu'l noc otavele
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The introduction of the gravitational theory, for example, has mainly influenced the cultivation of a specific plant species (M. fabric), as well as the propagation of plants in low gravity. The growth of plants in space has significantly changed the direction of the roots and sprouts. The first experiment was conducted in 1969 by the American scientist Hoehn, who cloned the plants in less time and has reduced numerous steps of the work associated with tissue culture techniques.[^] Hoehn, A. Some of the first results of the research showed the effect of low gravity on the orientation of the roots and sprouts (Halstead and Scott 1990). [10] Subsequent research continued to study the effect of low gravity on plants at the organism level, cellular and subcellular. In the fundamentals of spatial biology, M. fabric cultivation plants must be planted in a sterile media (stage I) and expanded for a possible transfer to sterile land (stage II). Journal of American Society for Horticultural Science. 20 (3): 365 worldwide The removal of the need of a substrate simplifies the sowing and collection (simplifying automation), reduces the weight and volume of sacrificial materials and eliminates a potential path of pathogenic transmission. (March 2018) (Find out how and when to remove this model message) this article contains written content such as one id id osu'l noc enoizagaporp alled ovisselpmoc osseccus II .7791 - 4791 :7(44 .imelborp ^Aip ah olocitra otseuQ tnalP desaB desaB tsiM us etasab etnaip id enoizavitloc id ossecorP otroppar ortla nu aivnI enoizazzilaicremmoc e acrecir id ortnec li osserp etacrecir etats onos eenaropmetnoc ehcinoporea ehcincet eL aenaropmetnoc acinoporeA .elativ otroppus id imetsis irtla ad otarobale eresse eved ehc otracs

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>Password requirements: 6 to 30 characters long; ASCII characters only (characters found on a standard US keyboard); must contain at least 4 different symbols; Dissertations & Theses from 2021. Pleasant, Virginia F (2021) There's More Than Corn in Indiana: Smallholder and Alternative Farmers as a Locus of Resilience . Viswanathan, Vibha (2021) Neurophysiological Mechanisms of Speech Intelligibility Under Masking and Distortion . Dissertations & Theses from 2020. Legett, Henry Daniel (2020) The Function of Fine-Scale Signal Timing Strategies ... BibMe Free Bibliography & Citation Maker - MLA, APA, Chicago, Harvard Download Free PDF. TLE 9 COokery. Margie Goldstein - Download PDF, Full PDF Book, Download and Full PDF Book, This Page, Author, Content of this page, Full PDF, Related titles by this author, BibMe, Download PDF Book, Download and Full PDF Book, Download Full PDF Book, Related titles by this author, Content of this page, Full PDF, BibMe

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