

BS3190: Climate Change: Plants and the Environment

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@article{Atkinson_Hill_Pakhomov_Siegel_Reiss_Loeb_Steinberg_Schmidt_Tarling_Gerrish_et al._2019, title={Krill (*Euphausia Superba*) Distribution Contracts Southward During Rapid Regional Warming}, volume={9}, DOI={10.1038/s41558-018-0370-z}, number={2}, journal={Nature Climate Change}, author={Atkinson, Angus and Hill, Simeon L. and Pakhomov, Evgeny A. and Siegel, Volker and Reiss, Christian S. and Loeb, Valerie J. and Steinberg, Deborah K. and Schmidt, Katrin and Tarling, Geraint A. and Gerrish, Laura and Saille, Sévrine F.}, year={2019}, pages={142-147} }

@article{Bailey-Serres_2012, title={Waterproofing Crops: Effective Flooding Survival Strategies}, volume={160}, url={https://www.jstor.org/stable/41812018}, number={4}, journal={Plant Physiology}, publisher={American Society of Plant Biologists (ASPB) American Society of Plant Biologists (ASPB)}, author={Bailey-Serres, Julia}, year={2012}, pages={1698-1709} }

@article{Bala_Caldeira_Wickett_Phillips_Lobell_Delire_Mirin_2007, title={Combined Climate and Carbon-Cycle Effects of Large-Scale Deforestation}, volume={104}, url={https://digital.library.unt.edu/ark:/67531/metadc884402/}, DOI={10.1073/pnas.0608998104}, number={16}, journal={UNT Digital Library}, author={Bala, G. and Caldeira, K. and Wickett, M. and Phillips, T. J. and Lobell, D. B. and Delire, C. and Mirin, A.}, year={2007}, pages={6550-6555} }

@article{Balbi_Devoto_2007, title={Jasmonate Signalling Network in Arabidopsis Thaliana: Crucial Regulatory Nodes and New Physiological Scenarios}, volume={177}, DOI={10.1111/j.1469-8137.2007.02292.x}, number={2}, journal={New Phytologist}, author={Balbi, Virginia and Devoto, Alessandra}, year={2007}, pages={301-318} }

@misc{Baulcombe, title={Reaping the Benefits}, url={http://www.gatsbyplants.leeds.ac.uk/tree.2.0/view_lecture.php?permalink=MTA0NQ}, publisher={Gatsby Plants Lecture}, author={Baulcombe, David} }

@misc{Benton_2016, title={What Will We Eat in 2030? | World Economic Forum}, url={https://www.weforum.org/agenda/2016/11/what-will-we-eat-in-2030?utm_content=bufferf4318&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer}, author={Benton, Tim}, year={2016}, month={Nov} }

@misc{Birch_2011, title={Where the Ocean Meets the Sky}, url={https://www.chemistryworld.com/feature/where-the-ocean-meets-the-sky/3004890.article}, publisher={Chemistry World}, author={Birch, Hayley}, year={2011}, pages={82-88} }

@inbook{Bohnert_2007, title={Abiotic Stress},
url={http://doi.wiley.com/10.1002/9780470015902.a0020087},
DOI={10.1002/9780470015902.a0020087}, booktitle={Encyclopedia of Life Sciences},
publisher={Wiley Interscience}, author={Bohnert, Hans J.}, year={2007} }

@article{Bonan_2008, title={Forests and Climate Change: Forcings, Feedbacks, and the
Climate Benefits of Forests}, volume={320},
url={https://www.jstor.org/stable/20054256}, number={5882}, journal={Science},
publisher={American Association for the Advancement of Science}, author={Bonan,
Gordon B.}, year={2008}, pages={1444-1449} }

@article{Braschler_Hill_2007, title={Role of Larval Host Plants in the Climate-Driven
Range Expansion of the Butterfly *Polygonia C-Album*}, volume={76},
DOI={10.1111/j.1365-2656.2007.01217.x}, number={3}, journal={Journal of Animal
Ecology}, author={Braschler, Brigitte and Hill, Jane K.}, year={2007}, pages={415-423}
}

@article{Brienen_2015, title={Long-Term Decline of the Amazon Carbon Sink},
volume={519}, DOI={10.1038/nature14283}, number={7543}, journal={Nature},
author={Brienen, R. J. W.}, year={2015}, pages={344-348} }

@article{Reynolds_2012, title={Physiological Traits for Improving Heat Tolerance in
Wheat}, volume={160}, url={https://www.jstor.org/stable/41812019}, number={4},
journal={Plant Physiology}, publisher={American Society of Plant Biologists
(ASPB)American Society of Plant Biologists (ASPB)}, author={C. Mariano Cossani and
Reynolds, Matthew P.}, year={2012}, pages={1710-1718} }

@inbook{Camagna_Takemoto_2018, title={Hypersensitive Response in Plants},
url={http://doi.wiley.com/10.1002/9780470015902.a0020103.pub2},
DOI={10.1002/9780470015902.a0020103.pub2}, booktitle={Encyclopedia of Life
Sciences}, publisher={Wiley Interscience}, author={Camagna, Maurizio and Takemoto,
Daigo}, year={2018} }

@inbook{Corrion_Day_2015, title={Pathogen Resistance Signalling in Plants},
url={http://doi.wiley.com/10.1002/9780470015902.a0020119.pub2},
DOI={10.1002/9780470015902.a0020119.pub2}, booktitle={Encyclopedia of Life
Sciences}, publisher={Wiley Interscience}, author={Corrion, Alex and Day, Brad},
year={2015} }

@article{Cushman_Bohnert_2000, title={Genomic Approaches to Plant Stress Tolerance},
volume={3}, DOI={10.1016/S1369-5266(99)00052-7}, number={2}, journal={Current
Opinion in Plant Biology}, author={Cushman, John C and Bohnert, Hans J}, year={2000},
pages={117-124} }

@article{DeLucia_Nabity_Zavala_Berenbaum_2012, title={Climate Change: Resetting
Plant-Insect Interactions}, volume={160}, url={http://www.jstor.org/stable/41812016},
number={4}, journal={Plant Physiology}, publisher={American Society of Plant Biologists
(ASPB)American Society of Plant Biologists (ASPB)}, author={DeLucia, Evan H. and Nabity,
Paul D. and Zavala, Jorge A. and Berenbaum, May R.}, year={2012}, pages={1677-1685}
}

@article{Farre_Twyman_Zhu_Capell_Christou_2011, title={Nutritionally Enhanced Crops and Food Security: Scientific Achievements Versus Political Expediency}, volume={22}, DOI={10.1016/j.copbio.2010.11.002}, number={2}, journal={Current Opinion in Biotechnology}, author={Farre, Gemma and Twyman, Richard M. and Zhu, Changfu and Capell, Teresa and Christou, Paul}, year={2011}, pages={245-251} }

@article{Ferguson_2004, title={The Plant Response: Stress in the Daily Environment}, volume={5}, url={http://link.springer.com/article/10.1007/BF02840912}, DOI={10.1007/BF02840912}, number={2}, journal={Journal of Zhejiang University-SCIENCE A}, publisher={Zhejiang University Press}, author={Ferguson, Ian B.}, year={2004}, pages={129-132} }

@article{Fitter_Fitter_2002, title={Rapid Changes in Flowering Time in British Plants}, volume={296}, url={https://www.jstor.org/stable/3076890}, number={5573}, journal={Science}, publisher={American Association for the Advancement of Science}, author={Fitter, A. H. and Fitter, R. S. R.}, year={2002}, pages={1689-1691} }

@misc{Fitter, address={Gatsby Plant Science}, title={People, Plants and Planet}, url={http://www.gatsbyplants.leeds.ac.uk/tree/uploads/Lectures/Fitter_A_SS12/player.html}, author={Fitter, Alastair} }

@article{Gange_Gange_Sparks_Boddy_2007, title={Rapid and Recent Changes in Fungal Fruiting Patterns}, volume={316}, url={https://www.jstor.org/stable/20035949}, number={5821}, journal={Science}, publisher={American Association for the Advancement of Science}, author={Gange, A. C. and Gange, E. G. and Sparks, T. H. and Boddy, L.}, year={2007}, pages={71-71} }

@article{Garrett_Dendy_Frank_Rouse_Travers_2006, title={Climate Change Effects on Plant Disease: Genomes to Ecosystems}, volume={44}, DOI={10.1146/annurev.phyto.44.070505.143420}, number={1}, journal={Annual Review of Phytopathology}, author={Garrett, K. A. and Dendy, S. P. and Frank, E. E. and Rouse, M. N. and Travers, S. E.}, year={2006}, pages={489-509} }

@article{Gibbard_Caldeira_Bala_Phillips_Wickett_2005, title={Climate Effects of Global Land Cover Change}, volume={32}, DOI={10.1029/2005GL024550}, number={23}, journal={Geophysical Research Letters}, author={Gibbard, S. and Caldeira, K. and Bala, G. and Phillips, T. J. and Wickett, M.}, year={2005} }

@article{Godfray_Beddington_Cute_Haddad_Lawrence_Muir_Pretty_Robinson_Thomas_Tou Imin_2010, title={Food Security: The Challenge of Feeding 9 Billion People}, volume={327}, url={https://www.jstor.org/stable/40509896}, number={5967}, journal={Science}, publisher={American Association for the Advancement of Science}, author={Godfray, H. Charles J. and Beddington, John R. and Cute, Ian R. and Haddad, Lawrence and Lawrence, David and Muir, James F. and Pretty, Jules and Robinson, Sherman and Thomas, Sandy M. and Toulmin, Camilla}, year={2010}, pages={812-818} }

@article{Griscom_Adams_Ellis_Houghton_2017, title={Natural Climate Solutions}, volume={114}, DOI={10.1073/pnas.1710465114}, number={44}, journal={Proceedings of the National Academy of Sciences}, author={Griscom, Bronson W. and Adams, Justin

and Ellis, Peter W. and Houghton, Richard A.}, year={2017}, pages={11645-11650} }

@article{Grover_Sahi_Sanan_Grover_1999, title={Taming Abiotic Stresses in Plants Through Genetic Engineering: Current Strategies and Perspective}, volume={143}, DOI={10.1016/S0168-9452(99)00025-4}, number={1}, journal={Plant Science}, author={Grover, Anil and Sahi, Chandan and Sanan, Neeti and Grover, Anita}, year={1999}, pages={101-111} }

@misc{Harrabin_2012, title={Biomass May Hinder Climate Fight | BBC News}, url={https://www.bbc.co.uk/news/science-environment-20303668}, publisher={BBC News}, author={Harrabin, Roger}, year={2012}, month={Nov} }

@article{Hemp_2005, title={Climate Change-Driven Forest Fires Marginalize the Impact of Ice Cap Wasting on Kilimanjaro}, volume={11}, DOI={10.1111/j.1365-2486.2005.00968.x}, number={7}, journal={Global Change Biology}, author={Hemp, Andreas}, year={2005}, pages={1013-1023} }

@article{Hickling_Roy_Hill_Fox_Thomas_2006, title={The Distributions of a Wide Range of Taxonomic Groups Are Expanding Polewards}, volume={12}, DOI={10.1111/j.1365-2486.2006.01116.x}, number={3}, journal={Global Change Biology}, author={Hickling, Rachael and Roy, David B. and Hill, Jane K. and Fox, Richard and Thomas, Chris D.}, year={2006}, pages={450-455} }

@article{Hungate_Stilling_Dijkstra_Johnson_Ketterer_Hymus_Hinkle_Drake_2004, title={CO₂ Elicits Long-Term Decline in Nitrogen Fixation}, volume={304}, url={https://www.jstor.org/stable/3837141}, number={5675}, journal={Science}, publisher={American Association for the Advancement of Science}, author={Hungate, Bruce A. and Stilling, Peter D. and Dijkstra, Paul and Johnson, Dale W. and Ketterer, Michael E. and Hymus, Graham J. and Hinkle, C. Ross and Drake, Bert G.}, year={2004}, pages={1291-1291} }

@article{Jamieson_Trowbridge_Raffa_Lindroth_2012, title={Consequences of Climate Warming and Altered Precipitation Patterns for Plant-Insect and Multitrophic Interactions}, volume={160}, url={https://www.jstor.org/stable/41812020}, number={4}, journal={Plant Physiology}, publisher={American Society of Plant Biologists (ASPB) American Society of Plant Biologists (ASPB)}, author={Jamieson, Mary A. and Trowbridge, Amy M. and Raffa, Kenneth F. and Lindroth, Richard L.}, year={2012}, pages={1719-1727} }

@inbook{Kessler_2017, title={Plant Defences against Herbivore Attack}, url={http://doi.wiley.com/10.1002/9780470015902.a0001324.pub3}, DOI={10.1002/9780470015902.a0001324.pub3}, booktitle={Encyclopedia of Life Sciences}, publisher={Wiley Interscience}, author={Kessler, André}, year={2017} }

@article{Knight_Knight_2001, title={Abiotic Stress Signalling Pathways: Specificity and Cross-Talk}, volume={6}, DOI={10.1016/S1360-1385(01)01946-X}, number={6}, journal={Trends in Plant Science}, author={Knight, Heather and Knight, Marc R.}, year={2001}, pages={262-267} }

@article{Kurz_Dymond_Stinson_Rampley_Neilson_Carroll_Ebata_Safranyik_2008, title={Mountain Pine Beetle and Forest Carbon Feedback to Climate Change},

volume={452}, DOI={10.1038/nature06777}, number={7190}, journal={Nature},
author={Kurz, W. A. and Dymond, C. C. and Stinson, G. and Rampley, G. J. and Neilson, E.
T. and Carroll, A. L. and Ebata, T. and Safranyik, L.}, year={2008}, pages={987-990} }

@inbook{Latchman_2007, title={Transcription Factors},
url={http://doi.wiley.com/10.1002/9780470015902.a0005278.pub2},
DOI={10.1002/9780470015902.a0005278.pub2}, booktitle={Encyclopedia of Life
Sciences}, publisher={Wiley Interscience}, author={Latchman, David S.}, year={2007}
}

@article{Lenoir_Svenning_2015, title={Climate-Related Range Shifts - a Global
Multidimensional Synthesis and New Research Directions}, volume={38},
DOI={10.1111/ecog.00967}, number={1}, journal={Ecography}, author={Lenoir, J. and
Svenning, J. C.}, year={2015}, pages={15-28} }

@article{Liu_Oduor_Zhang_Manea_Tooth_Leishman_Xu_van Kleunen_2017, title={Do
Invasive Alien Plants Benefit More From Global Environmental Change Than Native
Plants?}, volume={23}, DOI={10.1111/gcb.13579}, number={8}, journal={Global
Change Biology}, author={Liu, Yanjie and Oduor, Ayub M. O. and Zhang, Zhen and Manea,
Anthony and Tooth, Ifeanna M. and Leishman, Michelle R. and Xu, Xingliang and van
Kleunen, Mark}, year={2017}, pages={3363-3370} }

@article{Long_2006, title={Food for Thought: Lower-Than-Expected Crop Yield
Stimulation with Rising CO2 Concentrations}, volume={312},
DOI={10.1126/science.1114722}, number={5782}, journal={Science}, author={Long, S.
P.}, year={2006}, pages={1918-1921} }

@article{Mahajan_Tuteja_2005a, title={Cold, Salinity and Drought Stresses: An
Overview}, volume={444}, DOI={10.1016/j.abb.2005.10.018}, number={2},
journal={Archives of Biochemistry and Biophysics}, author={Mahajan, Shilpi and Tuteja,
Narendra}, year={2005}, pages={139-158} }

@article{Mahajan_Tuteja_2005b, title={Cold, Salinity and Drought Stresses: An
Overview}, volume={444}, DOI={10.1016/j.abb.2005.10.018}, number={2},
journal={Archives of Biochemistry and Biophysics}, author={Mahajan, Shilpi and Tuteja,
Narendra}, year={2005}, pages={139-158} }

@article{Matys_2003, title={TRANSFAC(R): Transcriptional Regulation, From Patterns to
Profiles}, volume={31}, DOI={10.1093/nar/gkg108}, number={1}, journal={Nucleic
Acids Research}, author={Matys, V.}, year={2003}, pages={374-378} }

@article{Menzel_Fabian_1999, title={Growing Season Extended in Europe},
volume={397}, DOI={10.1038/17709}, number={6721}, journal={Nature},
author={Menzel, Annette and Fabian, Peter}, year={1999}, pages={659-659} }

@inbook{Midgley_2001, title={Plant Physiological Responses to Climate and
Environmental Change},
url={http://doi.wiley.com/10.1002/9780470015902.a0003205.pub2},
DOI={10.1002/9780470015902.a0003205.pub2}, booktitle={Encyclopedia of Life
Sciences}, publisher={Wiley Interscience}, author={Midgley, Guy F}, year={2001},
pages={1-12} }

@inbook{Midgley_2017, title={Plant Physiological Responses to Climate and Environmental Change},
url={http://doi.wiley.com/10.1002/9780470015902.a0003205.pub2},
DOI={10.1002/9780470015902.a0003205.pub2}, booktitle={Encyclopedia of Life Sciences}, publisher={Wiley Interscience}, author={Midgley, Guy F.}, year={2017} }

@article{Mittler_2006, title={Abiotic Stress, the Field Environment and Stress Combination}, volume={11}, DOI={10.1016/j.tplants.2005.11.002}, number={1}, journal={Trends in Plant Science}, author={Mittler, Ron}, year={2006}, pages={15-19} }

@book{Morison_Morecroft_2006a, address={Oxford}, title={Plant Growth and Climate Change}, volume={Biological sciences series}, publisher={Blackwell}, author={Morison, James I. L. and Morecroft, Michael D.}, year={2006} }

@book{Morison_Morecroft_2006b, address={Oxford}, title={Plant Growth and Climate Change}, volume={Biological sciences series},
url={http://ezproxy01.rhul.ac.uk/login?url=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780470994184}, publisher={Blackwell}, author={Morison, James I. L. and Morecroft, Michael D.}, year={2006} }

@article{Naudts_Chen_McGrath_Ryder_Valade_Otto_Luyssaert_2016, title={Europes Forest Management Did Not Mitigate Climate Warming}, volume={351}, DOI={10.1126/science.aad7270}, number={6273}, journal={Science}, author={Naudts, K. and Chen, Y. and McGrath, M. J. and Ryder, J. and Valade, A. and Otto, J. and Luyssaert, S.}, year={2016}, pages={597-600} }

@article{Ort_Ainsworth_2012, title={Focus on Climate Change}, volume={160}, url={https://www.jstor.org/stable/41812015}, number={4}, journal={Plant Physiology}, publisher={American Society of Plant Biologists (ASPB)American Society of Plant Biologists (ASPB)}, author={Ort, Donald R. and Ainsworth, Elizabeth}, year={2012}, pages={1675-1676} }

@article{Ort_Merchant_Alrice_Berkan_2015, title={Redesigning Photosynthesis to Sustainably Meet Global Food and Bioenergy Demand}, volume={112}, DOI={10.1073/pnas.1424031112}, number={28}, journal={Proceedings of the National Academy of Sciences}, author={Ort, Donald R. and Merchant, Sabeeha S. and Alrice, Jean and Berkan, Alice}, year={2015}, pages={8529-8536} }

@inbook{Pirkkala_Sistonen_2006, title={Heat Shock Proteins (HSPs): Structure, Function and Genetics}, url={https://onlinelibrary.wiley.com/doi/10.1038/npg.els.0006130}, DOI={10.1038/npg.els.0006130}, booktitle={Encyclopedia of Life Sciences}, publisher={Credo Reference}, author={Pirkkala, Lila and Sistonen, Lea}, year={2006} }

@article{Poorter_Navas_2003, title={Plant Growth and Competition at Elevated CO₂: On Winners, Losers and Functional Groups}, volume={157}, DOI={10.1046/j.1469-8137.2003.00680.x}, number={2}, journal={New Phytologist}, author={Poorter, Hendrik and Navas, Marie-Laure}, year={2003}, pages={175-198} }

@inbook{Rietz_Parker_2007, title={Plant Disease and Defence},

```
url={http://doi.wiley.com/10.1002/9780470015902.a0004036},  
DOI={10.1002/9780470015902.a0004036}, booktitle={Encyclopedia of Life Sciences},  
publisher={Wiley Interscience}, author={Rietz, Steffen and Parker, Jane E.},  
year={2007} }
```

```
@misc{Rosling_2010, title={Hans Rosling: Global Population Growth, Box by Box | TED},  
url={https://www.ted.com/talks/hans_rosling_on_global_population_growth},  
author={Rosling, Hans}, year={2010} }
```

```
@article{Schwartz_Ahas_Aasa_2006, title={Onset of Spring Starting Earlier Across the  
Northern Hemisphere}, volume={12}, DOI={10.1111/j.1365-2486.2005.01097.x},  
number={2}, journal={Global Change Biology}, author={Schwartz, Mark D. and Ahas,  
Rein and Aasa, Anto}, year={2006}, pages={343-351} }
```

```
@article{Singh_2002, title={Transcription Factors in Plant Defense and Stress  
Responses}, volume={5}, DOI={10.1016/S1369-5266(02)00289-3}, number={5},  
journal={Current Opinion in Plant Biology}, author={Singh, K.}, year={2002},  
pages={430-436} }
```

```
@article{Smetacek_Klaas_Strass_Assmy_2012, title={Deep Carbon Export From a  
Southern Ocean Iron-Fertilized Diatom Bloom}, volume={487},  
DOI={10.1038/nature11229}, number={7407}, journal={Nature}, author={Smetacek,  
Victor and Klaas, Christine and Strass, Volker H. and Assmy, Philipp}, year={2012},  
pages={313-319} }
```

```
@inbook{Smirnoff_2014, title={Plant Stress Physiology},  
url={http://doi.wiley.com/10.1002/9780470015902.a0001297.pub2},  
DOI={10.1002/9780470015902.a0001297.pub2}, booktitle={Encyclopedia of Life  
Sciences}, publisher={Wiley Interscience}, author={Smirnoff, Nicholas}, year={2014} }
```

```
@article{Somerville_2007, title={Biofuels}, volume={17},  
DOI={10.1016/j.cub.2007.01.010}, number={4}, journal={Current Biology},  
author={Somerville, Chris}, year={2007}, pages={R115-R119} }
```

```
@article{Sreenivasulu_2007, title={Deciphering the Regulatory Mechanisms of Abiotic  
Stress Tolerance in Plants by Genomic Approaches}, volume={388},  
DOI={10.1016/j.gene.2006.10.009}, number={1}, journal={Gene},  
author={Sreenivasulu, N.}, year={2007}, pages={1-13} }
```

```
@inbook{Sykes_2009, title={Climate Change Impacts: Vegetation},  
url={http://doi.wiley.com/10.1002/9780470015902.a0021227},  
DOI={10.1002/9780470015902.a0021227}, booktitle={Encyclopedia of Life Sciences},  
publisher={Wiley Interscience}, author={Sykes, Martin T.}, year={2009} }
```

```
@article{Thackeray_Sparks_Frederiksen_Burthe_2010, title={Trophic Level Asynchrony in  
Rates of Phenological Change for Marine, Freshwater and Terrestrial Environments},  
volume={16}, DOI={10.1111/j.1365-2486.2010.02165.x}, number={12},  
journal={Global Change Biology}, author={Thackeray, Stephen J. and Sparks, Timothy H.  
and Frederiksen, Morten and Burthe, Sarah}, year={2010}, pages={3304-3313} }
```

@article{Vinocur_Altman_2005a, title={Recent Advances in Engineering Plant Tolerance to Abiotic Stress: Achievements and Limitations}, volume={16}, DOI={10.1016/j.copbio.2005.02.001}, number={2}, journal={Current Opinion in Biotechnology}, author={Vinocur, Basia and Altman, Arie}, year={2005}, pages={123-132} }

@article{Vinocur_Altman_2005b, title={Recent Advances in Engineering Plant Tolerance to Abiotic Stress: Achievements and Limitations}, volume={16}, DOI={10.1016/j.copbio.2005.02.001}, number={2}, journal={Current Opinion in Biotechnology}, author={Vinocur, Basia and Altman, Arie}, year={2005}, pages={123-132} }

@article{Visser_Both_2005, title={Shifts in Phenology Due to Global Climate Change: The Need for a Yardstick}, volume={272}, url={https://www.jstor.org/stable/30047868}, number={1581}, journal={Proceedings: Biological Sciences}, publisher={Royal Society}, author={Visser, Marcel E. and Both, Christiaan}, year={2005}, pages={2561-2569} }

@article{Wang_Vinocur_Altman_2003, title={Plant Responses to Drought, Salinity and Extreme Temperatures: Towards Genetic Engineering for Stress Tolerance}, volume={218}, DOI={10.1007/s00425-003-1105-5}, number={1}, journal={Planta}, author={Wang, Wangxia and Vinocur, Basia and Altman, Arie}, year={2003}, pages={1-14} }

@inbook{Whitney_Glover_2013, title={Coevolution: Plant-Insect}, url={http://doi.wiley.com/10.1002/9780470015902.a0001762.pub2}, DOI={10.1002/9780470015902.a0001762.pub2}, booktitle={Encyclopedia of Life Sciences}, publisher={Wiley Interscience}, author={Whitney, Heather M. and Glover, Beverley J.}, year={2013} }

@article{Wullschleger_Strahl_2010, title={Climate Change: A Controlled Experiment}, volume={302}, url={http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=47893648&site=ehost-live}, number={3}, journal={Scientific American}, author={Wullschleger, Stan D. and Strahl, Maya}, year={2010}, pages={78-83} }

@inbook{Xiao_Kachroo_2019, title={Plant Defences Against Fungal Attack: Perception and Signal Transduction}, url={http://doi.wiley.com/10.1002/9780470015902.a0003438.pub3}, DOI={10.1002/9780470015902.a0003438.pub3}, booktitle={Encyclopedia of Life Sciences}, publisher={Wiley Interscience}, author={Xiao, Xueqiong and Kachroo, Aardra}, year={2019} }

@misc{Young_Somerville_2012, title={Growing Better Biofuel Crops | The Scientist}, url={http://www.the-scientist.com/?articles.view/articleNo/32264/title/Growing-Better-Biofuel-Crops/}, author={Young, Heather and Somerville, Chris}, year={2012}, month={Jul} }

@article{Yuan_Himanen_Holopainen_Chen_Stewart Jr._2009, title={Smelling Global Climate Change: Mitigation of Function for Plant Volatile Organic Compounds}, volume={24}, url={http://www.sciencedirect.com/science/article/pii/S016953470900086X},

number={6}, journal={Trends in Ecology & Evolution}, author={Yuan, Joshua S. and Himanen, Sari J. and Holopainen, Jarmo J. and Chen, Feng and Stewart Jr., C. Neal}, year={2009}, pages={323-331} }

@article{Zhu_2002, title={Salt and Drought Stress Signal Transduction in Plants}, volume={53}, DOI={10.1146/annurev.arplant.53.091401.143329}, number={1}, journal={Annual Review of Plant Biology}, author={Zhu, Jian-Kang}, year={2002}, pages={247-273} }

@article{Zhu_Piao_Myneni_2016, title={Greening of the Earth and Its Drivers}, volume={6}, DOI={10.1038/nclimate3004}, number={8}, journal={Nature Climate Change}, author={Zhu, Zaichun and Piao, Shilong and Myneni, Ranga B.}, year={2016}, pages={791-795} }

@misc{NASA: A Year in the Life of Earth's CO2 | YouTube_2014, url={https://www.youtube.com/watch?v=x1SgmFa0r04}, publisher={YouTube}, year={2014} }

@article{Sucking Up Carbon: Greenhouse Gases Must Be Scrubbed From the Air_2017, url={https://www.economist.com/briefing/2017/11/16/greenhouse-gases-must-be-scrubbed-from-the-air}, journal={The Economist}, year={2017}, month={Nov} }

@misc{Welcome to Carbon Atlas | Global Carbon Atlas, url={http://www.globalcarbonatlas.org/en/content/welcome-carbon-atlas} }