

## منابع نگاهی به پیامدهای تخریب لایه اوزون و تغییرات اقلیم

1. Crutzen, P., The influence of nitrogen oxides on the atmospheric ozone content, *QJ Roy. Meteor. Soc.*, 96, 320–325. 1970.
2. Molina, M.J. and F.S. Rowland, Stratospheric sink for chlorofluoromethanes: chlorine atom-catalysed destruction of ozone. *Nature*, 1974. 249(5460): p. 810-812.
3. Andersen, S.O. and K.M. Sarma, *Protecting the ozone layer: the United Nations history*. 2012: Earthscan.
4. Newman, P., et al., What would have happened to the ozone layer if chlorofluorocarbons (CFCs) had not been regulated? *Atmospheric Chemistry and Physics*, 2009. 9(6): p. 2113-2128.
5. Mäder, J.A., et al., Evidence for the effectiveness of the Montreal Protocol to protect the ozone layer. *Atmospheric Chemistry and Physics*, 2010. 10(24): p. 12161-12171.
6. Newman, P.A. and R. McKenzie, UV impacts avoided by the Montreal Protocol. *Photochemical & Photobiological Sciences*, 2011. 10(7): p. 1152-1160.
7. Fahey, D., et al., *Scientific assessment of ozone depletion: 2018, global ozone research and monitoring project-report no. 58*. 2018, World Meteorological Organization.
8. Arblaster, J.M., et al., *Stratospheric ozone changes and climate*, in *Scientific assessment of ozone depletion: 2014*. 2014, World Meteorological Organization.
9. Clem, K.R., J.A. Renwick, and J. McGregor, Relationship between eastern tropical Pacific cooling and recent trends in the Southern Hemisphere zonal-mean circulation. *Climate Dynamics*, 2017. 49: p. 113-129.
10. Lim, E.P., et al., The impact of the Southern Annular Mode on future changes in Southern Hemisphere rainfall. *Geophysical Research Letters*, 2016. 43(13): p. 7160-7167.
11. Holz, A., et al., Southern Annular Mode drives multicentury wildfire activity in southern South America. *Proceedings of the National Academy of Sciences*, 2017. 114(36): p. 9552-9557.
12. Kostov, Y., et al., Fast and slow responses of Southern Ocean sea surface temperature to SAM in coupled climate models. *Climate Dynamics*, 2017. 48: p. 1595-1609.
13. Oliveira, F.N. and T. Ambrizzi, The effects of ENSO-types and SAM on the large-scale southern blockings. *International Journal of Climatology*, 2017. 37(7): p. 3067-3081.
14. Bornman, J.F., et al., Linkages between stratospheric ozone, UV radiation and climate change and their implications for terrestrial ecosystems. *Photochemical & Photobiological Sciences*, 2019. 18(3): p. 681-716.
15. Williamson, C.E., et al., The interactive effects of stratospheric ozone depletion, UV radiation, and climate change on aquatic ecosystems. *Photochemical & Photobiological Sciences*, 2019. 18(3): p. 717-746.

16. Robinson, S.A., et al., Rapid change in East Antarctic terrestrial vegetation in response to regional drying. *Nature Climate Change*, 2018. 8(10): p. 879-884.
17. Robinson, S.A. and D.J. Erickson III, Not just about sunburn—the ozone hole's profound effect on climate has significant implications for Southern Hemisphere ecosystems. *Global Change Biology*, 2015. 21(2): p. 515-527.
18. Bais, A.F., et al., Ozone–climate interactions and effects on solar ultraviolet radiation. *Photochemical & Photobiological Sciences*, 2019. 18(3): p. 602-640.
19. Morgenstern, O., et al., Review of the global models used within phase 1 of the Chemistry–Climate Model Initiative (CCMI). *Geoscientific Model Development*, 2017. 10(2): p. 639-671.
20. Stocker, T., *Climate change 2013: the physical science basis: Working Group I contribution to the Fifth assessment report of the Intergovernmental Panel on Climate Change*. 2014: Cambridge university press.
21. López, M.L., G.G. Palancar, and B.M. Toselli, Effects of stratocumulus, cumulus, and cirrus clouds on the UV-B diffuse to global ratio: Experimental and modeling results. *Journal of Quantitative Spectroscopy and Radiative Transfer*, 2012. 113(6): p. 461-469.
22. Feister, U., N. Cabrol, and D. Häder, UV irradiance enhancements by scattering of solar radiation from clouds. *Atmosphere*, 2015. 6(8): p. 1211-1228.
23. Sulzberger, B., et al., Solar UV radiation in a changing world: roles of cryosphere–land–water–atmosphere interfaces in global biogeochemical cycles. *Photochemical & Photobiological Sciences*, 2019. 18(3): p. 747-774.
24. Williamson, C.E., et al., Sentinel responses to droughts, wildfires, and floods: effects of UV radiation on lakes and their ecosystem services. *Frontiers in Ecology and the Environment*, 2016. 14(2): p. 102-109.
25. Xiang, F., et al., Weekend personal ultraviolet radiation exposure in four cities in Australia: influence of temperature, humidity and ambient ultraviolet radiation. *Journal of Photochemistry and Photobiology B: Biology*, 2015. 143: p. 74-81.
26. Cuthill, I.C., Allen, W. L., Arbuckle, K., Caspers, B., Chaplin, G., Hauber, M. E., Hill, G. E., Jablonski, N. G., Jiggins, C. D., Kelber, A., Mappes, J., Marshall, J., Merrill, R., Osorio, D., Prum, R., Roberts, N. W., Roulin, A., Rowland, H. M., Sherratt, T. N., Skelhorn, J., ... Caro, T., *The biology of color*. Science 2017.
27. Field, C.B. and V.R. Barros, *Climate change 2014—Impacts, adaptation and vulnerability: Regional aspects*. 2014: Cambridge University Press.
28. Steinbauer, M.J., et al., Accelerated increase in plant species richness on mountain summits is linked to warming. *Nature*, 2018. 556(7700): p. 231-234.
29. Urmey, S.S., et al., Vertical redistribution of zooplankton in an oligotrophic lake associated with reduction in ultraviolet radiation by wildfire smoke. *Geophysical Research Letters*, 2016. 43(8): p. 3746-3753.

30. Ma, Z., W. Li, A. Shen, and K. Gao, Behavioral responses of zooplankton to solar radiation changes: in situ evidence. *Hydrobiologia*, 2013. 711: p. 155-163.
31. Leach, T.H., et al., The role of ultraviolet radiation in the diel vertical migration of zooplankton: an experimental test of the transparency-regulator hypothesis. *Journal of Plankton Research*, 2015. 37(5): p. 886-896.
32. Fischer, J.M., et al., Diel vertical migration of copepods in mountain lakes: the changing role of ultraviolet radiation across a transparency gradient. *Limnology and Oceanography*, 2015. 60(1): p. 252-262.
33. Cohen, J.M., M.J. Lajeunesse, and J.R. Rohr, A global synthesis of animal phenological responses to climate change. *Nature Climate Change*, 2018. 8(3): p. 224-228.
34. Tomotani, B.M., et al., Climate change leads to differential shifts in the timing of annual cycle stages in a migratory bird. *Global change biology*, 2018. 24(2): p. 823-835.
35. Predick, K.I., et al., UV-B radiation and shrub canopy effects on surface litter decomposition in a shrub-invaded dry grassland. *Journal of Arid Environments*, 2018. 157: p. 13-21.
36. Kauko, H.M., et al., Windows in Arctic sea ice: Light transmission and ice algae in a refrozen lead. *Journal of Geophysical Research: Biogeosciences*, 2017. 122(6): p. 1486-1505.
37. Lucas, R.M., Yazar, S., Young, A. R., Norval, M., de Gruijl, F. R., Takizawa, Y., Rhodes, L. E., Sinclair, C. A., & Neale, R. E., Human health in relation to exposure to solar ultraviolet radiation under changing stratospheric ozone and climate. *Photochemical & photobiological sciences Official journal of the European Photochemistry Association and the European Society for Photobiology*, 2019.
38. Arnold, M., et al., Global burden of cutaneous melanoma attributable to ultraviolet radiation in 2012. *International journal of cancer*, 2018. 143(6): p. 1305-1314.
39. Flaxman, S.R., et al., Global causes of blindness and distance vision impairment 1990–2020: a systematic review and meta-analysis. *The Lancet Global Health*, 2017. 5(12): p. e1221-e1234.
40. Sandhu, P.K., et al., Community-wide interventions to prevent skin cancer: two community guide systematic reviews. *American journal of preventive medicine*, 2016. 51(4): p. 531-539.
41. Ballaré, C.L., et al., Effects of solar ultraviolet radiation on terrestrial ecosystems. Patterns, mechanisms, and interactions with climate change. *Photochemical & Photobiological Sciences*, 2011. 10(2): p. 226-241.
42. Jenkins, G.I., Photomorphogenic responses to ultraviolet-B light. *Plant, cell & environment*, 2017. 40(11): p. 2544-2557.
43. Šuklje, K., et al., Effect of leaf removal and ultraviolet radiation on the composition and sensory perception of *Vitis vinifera* L. cv. S auvignon B lanc wine. *Australian journal of grape and wine research*, 2014. 20(2): p. 223-233.
44. Escobar-Bravo, R., P.G. Klinkhamer, and K.A. Leiss, Interactive effects of UV-B light with abiotic factors on plant growth and chemistry, and their consequences for defense against arthropod herbivores. *Frontiers in Plant Science*, 2017. 8: p. 278.

45. Ballaré, C.L., C.A. Mazza, A.T. Austin, and R. Pierik, Canopy light and plant health. *Plant physiology*, 2012. 160(1): p. 145-155.
46. Wargent, J.J., *The role of UV-B radiation in plant growth and development* ed. B.R.Jordan. 2017: CABI Press.
47. Zagarese, H.E. and C.E. Williamson, The implications of solar UV radiation exposure for fish and fisheries. *Fish and Fisheries*, 2001. 2(3): p. 250-260.
48. Williamson, C.E., et al., Climate change-induced increases in precipitation are reducing the potential for solar ultraviolet radiation to inactivate pathogens in surface waters. *Scientific Reports*, 2017. 7(1): p. 13033.
49. Neale, P.J. and B.C. Thomas, Inhibition by ultraviolet and photosynthetically available radiation lowers model estimates of depth-integrated picophytoplankton photosynthesis: global predictions for *Prochlorococcus* and *Synechococcus*. *Global change biology*, 2017. 23(1): p. 293-306.
50. Garcia-Corral, L.S., et al., Effects of UVB radiation on net community production in the upper global ocean. *Global Ecology and Biogeography*, 2017. 26(1): p. 54-64.
51. Cory, R.M., C.P. Ward, B.C. Crump, and G.W. Kling, Sunlight controls water column processing of carbon in arctic fresh waters. *Science*, 2014. 345(6199): p. 925-928.
52. Lindholm, M., R. Wolf, A. Finstad, and D.O. Hessen, Water browning mediates predatory decimation of the Arctic fairy shrimp *Branchinecta paludosa*. *Freshwater Biology*, 2016. 61(3): p. 340-347.
53. Cuyckens, G.A.E., et al., Climate change and the distribution and conservation of the world's highest elevation woodlands in the South American Altiplano. *Global and Planetary Change*, 2016. 137: p. 79-87.
54. Poste, A.E., et al., Effects of photodemethylation on the methylmercury budget of boreal Norwegian lakes. *Environmental Toxicology and Chemistry*, 2015. 34(6): p. 1213-1223.
55. Clark, J.R., et al., Marine microplastic debris: a targeted plan for understanding and quantifying interactions with marine life. *Frontiers in Ecology and the Environment*, 2016. 14(6): p. 317-324.
56. FRONTIERS, U., *REPORT Emerging Issues of Environmental Concern. Emerging zoonotic diseases and links to ecosystem health—UNEP Frontiers*, 2016.