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as sea level rise slr accelerates due to climate change its multidisciplinary field of science has similarly expanded from 41 articles published in 1990 to 1475 articles published in 2021 this paper aims to answer these questions through a comprehensive review of the relevant literature first the present status of observed sea level rise analyses of its causes and future projections are summarized then the impacts are examined along with other consequences of climate change from both global and japanese perspectives published july 9 2021 doi org 10 1371 journal pone 0254348 article authors metrics comments media coverage see the data abstract sea level rise resulting from climate change is impacting coasts around the planet vincent w humphrey sönke dangendorf peter hogarth laure zanna lijing cheng yun hao wu nature 584 393 397 2020 cite this article 32k accesses 260 citations 910 altmetric metrics global ocean physical and chemical trends are reviewed and updated using seven key ocean climate change indicators i sea surface temperature ii ocean heat content iii ocean ph iv dissolved oxygen concentration v arctic sea ice extent thickness and volume vi sea level and vii the strength of the atlantic meridional overturning to determine the levels of microplastic pollution at sea water samples were collected across a 4000 km trajectory in the tropical eastern pacific and the galápagos archipelago covering an area pp 1517 1520 doi 10 1126 science 1185782 abstract global sea levels have risen through the 20th century these rises will almost certainly accelerate through the 21st century and beyond because of global warming but their magnitude remains uncertain peter's puskic 15k accesses 28 citations 28 altmetric explore all metrics abstract in the age of the anthropocene the ocean has typically been viewed as a sink for pollution pollution is varied ranging from human made plastics and pharmaceutical compounds to human altered abiotic factors such as sediment and nutrient runoff the salty water just 3 6 degrees celsius above the ice's melting point is undermining the foundation of the antarctic glacier by douglas fox may 30 2024 climate by april 26 2024 by april this paper is based on presentations and discussions at a symposium on marine plastic pollution in a circular perspective held at the 6th world congress of environmental and resource economists june 26 2018 in gothenburg sweden with support from region västra götaland centre for sea and society university of gothenburg and the in this review paper we focused on highlighting different aspects related to plastic pollution in coastal and marine environments plastic pollutants are distributed in the ecosystems in different forms with different size variations as megaplastic macroplastic mesoplastic and microplastic introduction ocean acidification is projected to impact all areas of the ocean from the deep sea to coastal estuaries orr et al 2005 feely et al 2009 2010 with potentially wide ranging impacts on marine life doney et al 2009 in this paper the authors are discussed how electricity can be generated from wave power using a combination of an offshore buoyant moored device and an overtopping system the buoyant moored device basically is a floating type device which uses the rise and fall of the swells to drive the pumps and is responsible for the conversion of energy international law of the sea is a law of maritime space that peacefully settles the global disputes on maritime boundary between or among the states and defines various jurisdictions of the sea food networks connect marine life closely through predatory action albouy et al 2019 and the activity of radionuclides in the marine biota after the accident has shown to be increased aono et al 2014 radionuclides will be enriched in marine organisms through food chains when spreading in the ocean to a certain ex tent and the the study group had before it the additional paper to the first issues paper a cn 4 761 and add 1 prepared by two of the co chairs of the study group mr bogdan aurescu and ms nilüfer oral which addressed the meaning of legal stability in relation to sea level rise with a focus on baselines and maritime zones immutability and the number of authors on sea level papers is highly variable among publications but shows a modest increase through time fig 2b the mean number of authors by year between 2009 and 2013 was 4 doi 10 1126 sciadv 1600730 abstract we document a tendency for published estimates of population size in sea turtles to be increasing rather than decreasing across the globe to examine the population status of the seven species of sea turtle globally we obtained 299 time series of annual nesting abundance with a total of 4417 annual estimates the objective of this paper is to explore the evolution challenges and prospects of china's iomp to better improve the land sea coordination policy strengthen international judicial cooperation and provide effective policy reference for other maritime countries in this paper we present a novel geoai approach to training sea ice classification by formalizing it as a partial label learning task with explicit confidence scores to address multiple labels and class imbalance we treat the polygon level labels as candidate partial labels assign the corresponding ice concentrations as confidence scores to

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