Citation Report
List of articles citing

Summarizing multiple aspects of model performance in a single diagram

DOI: 10.1029/2000jd900719
Journal of Geophysical Research, 2001, 106, 7183-7192.

Source: https://exaly.com/paper-pdf/32425063/citation-report.pdf
Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2292	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. **2002**, 15, 3237-3251		1079
2291	Intercomparison and evaluation of cumulus parametrizations under summertime midlatitude continental conditions. **2002**, 128, 1095-1135		106
2290	Statistical downscaling based on dynamically downscaled predictors: Application to monthly precipitation in Sweden. **2003**, 20, 951-958		26
2289	An assessment of global climate model-simulated climate for the western cordillera of Canada (1961â90). **2003**, 17, 3703-3716		11
2288	A multilayer biochemical dry deposition model 2. Model evaluation. *Journal of Geophysical Research* , **2003**, 108, ACH 2-1		7
2287	A global aerosol model forecast for the ACE-Asia field experiment. *Journal of Geophysical Research*, **2003**, 108,		68
2286	Spatial Analysis of Seasonal and Annual Temperature and Precipitation Normals in Southern Ontario, Canada. **2003**, 29, 529-544		29
2285	An overview of results from the Coupled Model Intercomparison Project. **2003**, 37, 103-133		275
2284	Effects of Mountain Uplift on East Asian Summer Climate Investigated by a Coupled Atmosphereâ Ocean GCM. **2004**, 17, 783-802		119
2283	The New GFDL Global Atmosphere and Land Model AM2â LM2: Evaluation with Prescribed SST Simulations. **2004**, 17, 4641-4673		695
2282	Application of user-oriented measure of effectiveness to transport and dispersion model predictions of the European tracer experiment. **2004**, 38, 6789-6801		8
2281	Seasonal predictability of ENSO teleconnections: the role of the remote ocean response. **2004**, 22, 511-526		22
2280	Testing the downscaling ability of a one-way nested regional climate model in regions of complex topography. **2004**, 23, 473-493		43
2279	Beyond the means: validating climate models with higher-order statistics. **2004**, 6, 22-29		6
2278	Oceanic ventilation and biogeochemical cycling: Understanding the physical mechanisms that produce realistic distributions of tracers and productivity. **2004**, 18, n/a-n/a		92
2277	A three-dimensional, multinutrient, and size-structured ecosystem model for the North Atlantic. **2004**, 18, n/a-n/a		39
2276	Comparison of global climatological maps of sea surface dimethyl sulfide. **2004**, 18, n/a-n/a		47

2275	Use of cloud radar observations for model evaluation: A probabilistic approach. *Journal of Geophysical Research*, **2004**, 109, n/a-n/a	26
2274	Evaluation of pollutant outflow and CO sources during TRACE-P using model-calculated, aircraft-based, and Measurements of Pollution in the Troposphere (MOPITT)-derived CO concentrations. *Journal of Geophysical Research*, **2004**, 109,	64
2273	A multivariate empirical-orthogonal-function-based measure of climate model performance. *Journal of Geophysical Research*, **2004**, 109,	18
2272	Aerosol distribution in the Northern Hemisphere during ACE-Asia: Results from global model, satellite observations, and Sun photometer measurements. *Journal of Geophysical Research*, **2004**, 109,	142
2271	Design and optimisation of a large-area process-based model for annual crops. **2004**, 124, 99-120	211
2270	The Annual Variation and Closure of the Water Cycle for the Asian Continent. **2004**, 17, 4840-4855	4
2269	Cloud Properties Simulated by a Single-Column Model. Part I: Comparison to Cloud Radar Observations of Cirrus Clouds. **2005**, 62, 1428-1445	12
2268	High Clouds over Oceans in the ECMWF 15- and 45-Yr Reanalyses. **2005**, 18, 2647-2661	6
2267	A new dynamical core for the Met Office's global and regional modelling of the atmosphere. **2005**, 131, 1759-1782	781
2266	Validation of the nesting technique in a regional climate model and sensitivity tests to the resolution of the lateral boundary conditions during summer. **2005**, 25, 555-580	35
2265	Global high resolution versus Limited Area Model climate change projections over Europe: quantifying confidence level from PRUDENCE results. **2005**, 25, 653-670	167
2264	Validation of the Terrestiral Water Storage Estimated by JMA-SiB Offline Simulation Using Taylor Diagram. **2005**, 18, 310-320	4
2263	Utilization of a New Gauge-based Daily Precipitation Dataset over Monsoon Asia for Validation of the Daily Precipitation Climatology Simulated by the MRI/JMA 20-km-mesh AGCM. **2005**, 1, 193-196	36
2262	Evaluation of GCM Simulated Climate over the Canadian Prairie Provinces. **2005**, 30, 245-262	16
2261	Diurnal cycling of carbon monoxide (CO) in the upper ocean near Bermuda. **2005**, 8, 337-367	34
2260	A global model of the marine ecosystem for long-term simulations: Sensitivity to ocean mixing, buoyancy forcing, particle sinking, and dissolved organic matter cycling. **2005**, 19,	90
2259	Multi-model trends in East African rainfall associated with increased CO2. **2005**, 32,	21
2258	Hydrologic simulations in the Rhine basin driven by a regional climate model. *Journal of Geophysical Research*, **2005**, 110,	91

2257	A 53-year forcing data set for land surface models. *Journal of Geophysical Research*, **2005**, 110, n/a-n/a	102
2256	Determination of eddy diffusivity in the lowermost stratosphere. **2005**, 32,	16
2255	Multi-model representation of the North Atlantic Oscillation in the 20th and 21st centuries. **2005**, 32,	8
2254	Evaluation of the distribution of subtropical free tropospheric humidity in AMIP-2 simulations using METEOSAT water vapor channel data. **2005**, 32, n/a-n/a	19
2253	Model projections of the North Atlantic thermohaline circulation for the 21st century assessed by observations. **2005**, 32,	208
2252	An Earth system model of intermediate complexity: Simulation of the role of ocean mixing parameterizations and climate change in estimated uptake for natural and bomb radiocarbon and anthropogenic CO2. *Journal of Geophysical Research*, **2005**, 110,	11
2251	Empirical downscaling of wind speed probability distributions. *Journal of Geophysical Research*, **2005**, 110,	84
2250	Limited sensitivity analysis of regional climate change probabilities for the 21st century. *Journal of Geophysical Research*, **2005**, 110,	64
2249	The New Hadley Centre Climate Model (HadGEM1): Evaluation of Coupled Simulations. **2006**, 19, 1327-1353	406
2248	Nitrogen cycling in the Middle Atlantic Bight: Results from a three-dimensional model and implications for the North Atlantic nitrogen budget. **2006**, 20, n/a-n/a	298
2247	Inverse estimates of anthropogenic CO2 uptake, transport, and storage by the ocean. **2006**, 20, n/a-n/a	271
2246	Nitrogen and sulfur deposition on regional and global scales: A multimodel evaluation. **2006**, 20, n/a-n/a	731
2245	Impact of global warming on the East Asian winter monsoon as revealed by nine coupled atmosphere-ocean GCMs. **2006**, 33,	92
2244	Ozone ensemble forecasts: 1. A new ensemble design. *Journal of Geophysical Research*, **2006**, 111,	46
2243	Ozone ensemble forecasts: 2. A Kalman filter predictor bias correction. *Journal of Geophysical Research*, **2006**, 111,	68
2242	Forced annular variations in the 20th century Intergovernmental Panel on Climate Change Fourth Assessment Report models. *Journal of Geophysical Research*, **2006**, 111,	288
2241	Variable resolution general circulation models: Stretched-grid model intercomparison project (SGMIP). *Journal of Geophysical Research*, **2006**, 111,	63
2240	Evaluation of continental precipitation in 20th century climate simulations: The utility of multimodel statistics. **2006**, 42,	93

2239	Coupled Climate Model appraisal: A benchmark for future studies. **2006**, 87, 185	11
2238	A Bayesian approach to climate model evaluation and multi-model averaging with an application to global mean surface temperatures from IPCC AR4 coupled climate models. **2006**, 33,	72
2237	Atmospheric constraints on global emissions of methane from plants. **2006**, 33,	88
2236	Improving land-surface parameterization schemes using stable water isotopes: Introducing the âPILPSâinitiative. **2006**, 51, 3-24	18
2235	Assessment of non-hydrostatic ocean models using laboratory scale problems. **2006**, 26, 1433-1447	43
2234	Eddy-resolving simulation of plankton ecosystem dynamics in the California Current System. **2006**, 53, 1483-1516	126
2233	Efficacy of a hydrologic model in simulating discharge from a large mountainous catchment. **2006**, 330, 301-312	17
2232	Reconciling surface ocean productivity, export fluxes and sediment composition in a global biogeochemical ocean model. **2006**, 3, 521-537	141
2231	Interannual-to-decadal variability of North Atlantic air-sea CO₂ fluxes. **2006**, 2, 43-60	11
2230	Changes in Onset and Withdrawal of the East Asian Summer Rainy Season by Multi-Model Global Warming Experiments. **2006**, 84, 247-258	87
2229	Influence of different convection parameterisations in a GCM. **2006**, 6, 5475-5493	113
2228	The atmospheric chemistry general circulation model ECHAM5/MESSy1: consistent simulation of ozone from the surface to the mesosphere. **2006**, 6, 5067-5104	436
2227	Timing of global warming in IPCC AR4 AOGCM simulations. **2006**, 33,	9
2226	Simulations of Present and Future Climates in the Western United States with Four Nested Regional Climate Models. **2006**, 19, 873-895	85
2225	Mean dynamic topography: inter-comparisons and errors. **2006**, 364, 903-16	31
2224	The Physical Properties of the Atmosphere in the New Hadley Centre Global Environmental Model (HadGEM1). Part I: Model Description and Global Climatology. **2006**, 19, 1274-1301	287
2223	Testing the downscaling ability of a one-way nested regional climate model in regions of complex topography. **2006**, 26, 305-325	30
2222	ENSO simulation in coupled ocean-atmosphere models: are the current models better?. **2006**, 27, 1-15	212

2221	Evaluation of the GEM-AQ air quality model during the Québec smoke event of 2002: Analysis of extensive and intensive optical disparities. **2006**, 40, 3737-3749	22
2220	Model complexity and performance: How far can we simplify?. **2006**, 70, 27-57	46
2219	New unbiased symmetric metrics for evaluation of air quality models. **2006**, 7, 26-34	198
2218	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. **2006**, 19, 153-192	744
2217	Evaluation of Different Methods to Assess Model Projections of the Future Evolution of the Atlantic Meridional Overturning Circulation. **2007**, 20, 2121-2132	41
2216	Evaluation of AMIP II Global Climate Model Simulations of the Land Surface Water Budget and Its Components over the GEWEX-CEOP Regions. **2007**, 8, 304-326	4
2215	Comparative Analysis of the Western Arctic Surface Climate among Observations and Model Simulations. **2007**, 11, 1-24	6
2214	Lightning and convection parameterisations â uncertainties in global modelling. **2007**, 7, 4553-4568	127
2213	Simulating organic species with the global atmospheric chemistry general circulation model ECHAM5/MESSy1: a comparison of model results with observations. **2007**, 7, 2527-2550	81
2212	Global cloud and precipitation chemistry and wet deposition: tropospheric model simulations with ECHAM5/MESSy1. **2007**, 7, 2733-2757	84
2211	Comparing atmospheric transport models for future regional inversions over Europe â Part 1: mapping the atmospheric CO₂ signals. **2007**, 7, 3461-3479	126
2210	Intercontinental transport of pollution and dust aerosols: implications for regional air quality. **2007**, 7, 5501-5517	237
2209	A new tropospheric and stratospheric Chemistry and Transport Model MOCAGE-Climat for multi-year studies: evaluation of the present-day climatology and sensitivity to surface processes. **2007**, 7, 5815-5860	95
2208	On the Structure of the Lower Troposphere in the Summertime Stratocumulus Regime of the Northeast Pacific. **2007**, 135, 985-1005	48
2207	A methodology for probabilistic predictions of regional climate change from perturbed physics ensembles. **2007**, 365, 1993-2028	239
2206	Preliminary comparison of the ozone vertical profiles from Umkehr and ozonesonde measurements over Poland with EOS-MLS Aura spacecraft overpasses, 2004â2005. **2007**, 28, 1089-1100	3
2205	Evaluation of the AR4 Climate Modelsâ Simulated Daily Maximum Temperature, Minimum Temperature, and Precipitation over Australia Using Probability Density Functions. **2007**, 20, 4356-4376	456
2204	Inverse estimates of the oceanic sources and sinks of natural CO2 and the implied oceanic carbon transport. **2007**, 21,	128

2203	Assessment of skill and portability in regional marine biogeochemical models: Role of multiple planktonic groups. *Journal of Geophysical Research*, **2007**, 112,	175
2202	Evaluation of Intergovernmental Panel on Climate Change Fourth Assessment soil moisture simulations for the second half of the twentieth century. *Journal of Geophysical Research*, **2007**, 112,	35
2201	Scanning Imaging Absorption Spectrometer for Atmospheric Chartography carbon monoxide total columns: Statistical evaluation and comparison with chemistry transport model results. *Journal of Geophysical Research*, **2007**, 112,	35
2200	Analysis of seasonal terrestrial water storage variations in regional climate simulations over Europe. *Journal of Geophysical Research*, **2007**, 112,	23
2199	Validation of the land water storage simulated by Organising Carbon and Hydrology in Dynamic Ecosystems (ORCHIDEE) with Gravity Recovery and Climate Experiment (GRACE) data. **2007**, 43,	58
2198	Improving land-surface model hydrology: Is an explicit aquifer model better than a deeper soil profile?. **2007**, 34,	66
2197	The Characteristics of Key Analysis Errors. Part II: The Importance of the PV Corrections and the Impact of Balance. **2007**, 135, 267-280	6
2196	Influence of Arctic Oscillation towards the Northern Hemisphere Surface Temperature Variability under the Global Warming Scenario. **2007**, 85, 847-859	5
2195	Assessment of satellite ocean color products at a coastal site. **2007**, 110, 192-215	115
2194	Modelling advection and diffusion of water isotopologues in leaves. **2007**, 30, 892-909	105
2193	CityDelta: A model intercomparison study to explore the impact of emission reductions in European cities in 2010. **2007**, 41, 189-207	175
2192	A regional modelling study of the high ozone episode of June 2001 in southern Ontario. **2007**, 41, 3777-3788	14
2191	Sea level forecasting in Venice through high resolution meteorological fields. **2007**, 75, 223-235	21
2190	Hydrodynamic and sediment transport modelling in the canals of Venice (Italy). **2007**, 75, 250-260	19
2189	Application of a SEEK filter to a 1D biogeochemical model of the Ligurian Sea: Twin experiments and real in-situ data assimilation. **2007**, 65, 561-583	14
2188	Forecast verification of a 3D model of the Mediterranean Sea. The use of discrete wavelet transforms and EOFs in the skill assessment of spatial forecasts. **2007**, 65, 460-483	8
2187	Application of an Ensemble Kalman filter to a 1-D coupled hydrodynamic-ecosystem model of the Ligurian Sea. **2007**, 68, 327-348	16
2186	Error quantification of a high-resolution coupled hydrodynamic-ecosystem coastal-ocean model: Part 2. Chlorophyll-a, nutrients and SPM. **2007**, 68, 381-404	118

2185	Adaptation of crops to climate change through genotypic responses to mean and extreme temperatures. **2007**, 119, 190-204	128
2184	Comparison between GAMIL, and CAM2 on interannual variability simulation. **2007**, 24, 82-88	4
2183	Forecasting weather radar propagation conditions. **2007**, 96, 229-243	19
2182	The impact of lateral boundary data errors on the simulated climate of a nested regional climate model. **2007**, 28, 333-350	54
2181	Hierarchical evaluation of IPCC AR4 coupled climate models with systematic consideration of model uncertainties. **2007**, 29, 853-868	19
2180	Learning about the ocean carbon cycle from observational constraints and model simulations of multiple tracers. **2008**, 89, 45-66	3
2179	Evaluation of MM5 mesoscale model at local scale for air quality applications over the Swedish west coast: Influence of PBL and LSM parameterizations. **2008**, 99, 77-103	25
2178	East Asian summer monsoon simulation by a 20-km mesh AGCM. **2008**, 31, 389-401	64
2177	The energy cycle in atmospheric models. **2008**, 30, 371-390	40
2176	Cloud-resolving ensemble simulations of the August 2005 Alpine flood. **2008**, 134, 889-904	60
2175	The precipitation climate of Central Asiaâ€”Intercomparison of observational and numerical data sources in a remote semiarid region. **2008**, 28, 295-314	113
2174	A framework for developing high-resolution multi-model climate projections: 21st century scenarios for the UK. **2008**, 28, 843-858	26
2173	Ranking the AR4 climate models over the Murray-Darling Basin using simulated maximum temperature, minimum temperature and precipitation. **2008**, 28, 1097-1112	88
2172	Ocean forecasting in terrain-following coordinates: Formulation and skill assessment of the Regional Ocean Modeling System. **2008**, 227, 3595-3624	797
2171	The RAMI On-line Model Checker (ROMC): A web-based benchmarking facility for canopy reflectance models. **2008**, 112, 1144-1150	73
2170	Why is the choice of future climate scenarios for species distribution modelling important?. **2008**, 11, 1135-1146	217
2169	A new metric for evaluating the correspondence of spatial patterns in vegetation models. **2008**, 17, 465-478	4
2168	Preindustrial, historical, and fertilization simulations using a global ocean carbon model with new parameterizations of iron limitation, calcification, and N2 fixation. **2008**, 77, 56-82	73

2167	Eutrophication in the Baltic Sea and shifts in nitrogen fixation analyzed with a 3D ecosystem model. **2008**, 74, 592-602	75
2166	The Fidelity of Ocean Models With Explicit Eddies. **2008**, 149-163	6
2165	Multimodel projections of catchment-scale precipitation regime. **2008**, 353, 143-158	45
2164	Future changes in climate, ocean circulation, ecosystems, and biogeochemical cycling simulated for a business-as-usual CO2 emission scenario until year 4000 AD. **2008**, 22, n/a-n/a	280
2163	TransCom model simulations of hourly atmospheric CO2: Analysis of synoptic-scale variations for the period 2002â2003. **2008**, 22, n/a-n/a	100
2162	Testing an ocean carbon model with observed sea surface pCO2 and dissolved inorganic carbon in the tropical Pacific Ocean. *Journal of Geophysical Research*, **2008**, 113,	14
2161	Comparison of ozone profiles by the Umkehr measurements taken at Belsk (52°N, 21°E) with the Aura Microwave Limb Sounder overpasses: 2004â2006. *Journal of Geophysical Research*, **2008**, 113,	6
2160	Performance metrics for climate models. *Journal of Geophysical Research*, **2008**, 113,	765
2159	Evaluation of the chemical transport model Oslo CTM2 with focus on arctic winter ozone depletion. *Journal of Geophysical Research*, **2008**, 113,	57
2158	Probabilistic predictions of climate change for Australia and southern Africa using the reliability ensemble average of IPCC CMIP3 model simulations. *Journal of Geophysical Research*, **2008**, 113,	39
2157	Evaluation of Atmospheric Infrared Sounder ozone profiles and total ozone retrievals with matched ozonesonde measurements, ECMWF ozone data, and Ozone Monitoring Instrument retrievals. *Journal of Geophysical Research*, **2008**, 113,	31
2156	Evaluating the present-day simulation of clouds, precipitation, and radiation in climate models. *Journal of Geophysical Research*, **2008**, 113,	153
2155	CO2 retrievals from the Atmospheric Infrared Sounder: Methodology and validation. *Journal of Geophysical Research*, **2008**, 113,	63
2154	Contribution of ocean, fossil fuel, land biosphere, and biomass burning carbon fluxes to seasonal and interannual variability in atmospheric CO2. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a	63
2153	Use of FLUXNET in the Community Land Model development. *Journal of Geophysical Research*, **2008** , 113, n/a-n/a	196
2152	Improvements to the Community Land Model and their impact on the hydrological cycle. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a	568
2151	Dynamical prediction of terrestrial ecosystems and the global carbon cycle: A 25-year hindcast experiment. **2008**, 22, n/a-n/a	8
2150	Influence of nutrient utilization and remineralization stoichiometry on phytoplankton species and carbon export: A modeling study at BATS. **2008**, 55, 73-107	36

2149	Modelling the effect of iron fertilization on dimethylsulphide emissions in the Southern Ocean. **2008**, 55, 901-912	28
2148	Benefit of nesting a regional model into a large-scale ocean model instead of climatology. Application to the West Florida Shelf. **2008**, 28, 561-573	38
2147	Evaluation of Global Precipitation in Reanalyses. **2008**, 47, 2279-2299	282
2146	Low-Frequency Modulation of Intraseasonal Equatorial Kelvin Wave Activity in the Pacific from SODA: 1958â2001. **2008**, 21, 6060-6069	30
2145	Canopy Reflectance Model Benchmarking: RAMI and the ROMC. **2008**, 177-206	
2144	An Urban Parameterization for a Global Climate Model. Part II: Sensitivity to Input Parameters and the Simulated Urban Heat Island in Offline Simulations. **2008**, 47, 1061-1076	83
2143	How Well Do Regional Climate Models Reproduce Radiation and Clouds in the Arctic? An Evaluation of ARCMIP Simulations. **2008**, 47, 2405-2422	96
2142	The Impact of Convection on ENSO: From a Delayed Oscillator to a Series of Events. **2008**, 21, 5904-5924	463
2141	Evaluation of a CCSM3 Simulation with a Finite Volume Dynamical Core for the Atmosphere at 1° Latitude □1.25° Longitude Resolution. **2008**, 21, 1467-1486	15
2140	Predictive Skill of AGCM Seasonal Climate Forecasts Subject to Different SST Prediction Methodologies. **2008**, 21, 2169-2186	27
2139	Design and Validation of an Offline Oceanic Tracer Transport Model for a Carbon Cycle Study. **2008**, 21, 2752-2769	27
2138	Regional Projections of Future Seasonal and Annual Changes in Rainfall and Temperature over Australia Based on Skill-Selected AR4 Models. **2008**, 12, 1-50	53
2137	The Tropical Eastern Pacific Seasonal Cycle: Assessment of Errors and Mechanisms in IPCC AR4 Coupled OceanâAtmosphere General Circulation Models*. **2008**, 21, 2573-2590	145
2136	A Modified Dynamic Framework for the Atmospheric Spectral Model and Its Application. **2008**, 65, 2235-2253	60
2135	Validation and Ranking Methodologies for Solar Radiation Models. 479-510	15
2134	Validation in fusion research: Towards guidelines and best practices. **2008**, 15, 062503	80
2133	Seasonal drought stress in the Amazon: Reconciling models and observations. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a	220
2132	The Arctic Oscillation in Coupled Climate Models. **2008**, 51, 223-239	7

2131	Hourly resolved cloud modification factors in the ultraviolet. **2008**, 8, 2493-2508	23
2130	Evaluation of the atmospheric transport in a GCM using radon measurements: sensitivity to cumulus convection parameterization. **2008**, 8, 2811-2832	49
2129	Quantitative performance metrics for stratospheric-resolving chemistry-climate models. **2008**, 8, 5699-5713	81
2128	The impact on atmospheric CO₂ of iron fertilization induced changes in the ocean's biological pump. **2008**, 5, 385-406	31
2127	Sedimentary and mineral dust sources of dissolved iron to the world ocean. **2008**, 5, 631-656	283
2126	Carbon and nutrient mixed layer dynamics in the Norwegian Sea. **2008**, 5, 1395-1410	21
2125	Importance of dissolved organic nitrogen in the north Atlantic Ocean in sustaining primary production: a 3-D modelling approach. **2008**, 5, 1437-1455	13
2124	Impact of variable air-sea O₂ and CO₂ fluxes on atmospheric potential oxygen (APO) and land-ocean carbon sink partitioning. **2008**, 5, 875-889	16
2123	Development of a Regional Climate Model (CREM) and Evaluation on Its Simulation of Summer Climate over Eastern China. **2009**, 87, 381-401	15
2122	A nested Atlantic-Mediterranean Sea general circulation model for operational forecasting. **2009**, 5, 461-473	140
2121	Evaluation for the Seasonal Evolution of the Summer Monsoon over the Asian and Western North Pacific Sector in the WCRP CMIP3 Multi-model Experiments. **2009**, 87, 539-560	22
2120	Anthropogenic carbon distributions in the Atlantic Ocean: data-based estimates from the Arctic to the Antarctic. **2009**, 6, 439-451	98
2119	Improving land surface models with FLUXNET data. **2009**, 6, 1341-1359	260
2118	Observed and simulated estimates of the meridional overturning circulation at 26.5° N in the Atlantic. **2009**, 5, 575-589	27
2117	Regulation of phytoplankton carbon to chlorophyll ratio by light, nutrients and temperature in the Equatorial Pacific Ocean: a basin-scale model. **2009**, 6, 391-404	69
2116	Imminent ocean acidification in the Arctic projected with the NCAR global coupled carbon cycle-climate model. **2009**, 6, 515-533	352
2115	Validation of ocean model syntheses against hydrography using a new web application. **2009**, 2, 29-41	13
2114	Selecting global climate models for regional climate change studies. **2009**, 106, 8441-6	435

2113	Incorporating model quality information in climate change detection and attribution studies. **2009**, 106, 14778-83	137
2112	Comparison of in situ time-series of temperature with gridded sea surface temperature datasets in the North Atlantic. **2009**, 66, 1467-1479	17
2111	Using Transformation and Formation Maps to Study the Role of AirâSea Heat Fluxes in North Atlantic Eighteen Degree Water Formation. **2009**, 39, 1818-1835	51
2110	Climate Impacts of the Southern Annular Mode Simulated by the CMIP3 Models. **2009**, 22, 3751-3768	30
2109	A Multimodel Analysis for the Coordinated Enhanced Observing Period (CEOP). **2009**, 10, 912-934	24
2108	Visualizing Multiple Measures of Forecast Quality. **2009**, 24, 601-608	209
2107	Synoptic-Statistical Approach to Regional Downscaling of IPCC Twenty-First-Century Climate Projections: Seasonal Rainfall over the Hawaiian Islands*. **2009**, 22, 4261-4280	70
2106	A New High-Resolution Satellite-Derived Precipitation Dataset for Climate Studies. **2009**, 10, 935-952	26
2105	Validation of a hydrodynamic-ecosystem model simulation with time-series data collected in the western English Channel. **2009**, 77, 296-311	31
2104	Skill Assessment for Coupled Biological/Physical Models of Marine Systems. **2009**, 76, 4-15	292
2103	Assessing the uncertainties of model estimates of primary productivity in the tropical Pacific Ocean. **2009**, 76, 113-133	178
2102	Summary diagrams for coupled hydrodynamic-ecosystem model skill assessment. **2009**, 76, 64-82	236
2101	Assessing skill of estuarine and coastal eutrophication models for water quality managers. **2009**, 76, 195-211	27
2100	Super-ensemble forecasts and resulting acoustic sensitivities in shallow waters. **2009**, 78, S290-S305	14
2099	Improved ocean prediction skill and reduced uncertainty in the coastal region from multi-model super-ensembles. **2009**, 78, S282-S289	24
2098	The seasonal nitrogen cycle in Wilkinson Basin, Gulf of Maine, as estimated by 1-D biological model optimization. **2009**, 78, 77-93	5
2097	Skill and uncertainty of a regional air quality model ensemble. **2009**, 43, 4822-4832	78
2096	A new urban boundary layer and dispersion parameterization for an emergency response modeling system: Tests with the Joint Urban 2003 data set. **2009**, 43, 5807-5821	7

2095	Impact of GODAE products on nested HYCOM simulations of the West Florida Shelf. **2009**, 59, 139-155	31
2094	Summer precipitation in the Vosges-Black Forest-region: pre-COPS investigations. **2009**, 103, 105-113	2
2093	Regional climate model sensitivity to domain size. **2009**, 32, 833-854	125
2092	The CLIVAR C20C project: skill of simulating Indian monsoon rainfall on interannual to decadal timescales. Does GHG forcing play a role?. **2009**, 33, 615-627	44
2091	Ability of an ensemble of regional climate models to reproduce weather regimes over Europe-Atlantic during the period 1961â2000. **2009**, 33, 723-736	80
2090	Comparative analysis of MODIS-FAPAR and MERISâMGVI datasets: Potential impacts on ecosystem modeling. **2009**, 113, 2547-2559	35
2089	Do weak AR4 models bias projections of future climate changes over Australia?. **2009**, 93, 527-558	36
2088	Cloud radiative forcing in Asian monsoon region simulated by IPCC AR4 AMIP models. **2009**, 26, 923-939	14
2087	How the âBestâmodels project the future precipitation change in China. **2009**, 26, 773-782	35
2086	Effect of eutrophication on airâsea CO2 fluxes in the coastal Southern North Sea: a model study of the past 50 years. **2009**, 15, 1040-1056	59
2085	Modelling ozone fluxes to forests for risk assessment: status and prospects. **2009**, 66, 401-401	52
2084	Atmospheric teleconnections and flow regimes under future climate projections. **2009**, 174, 237-255	15
2083	Modeling iron limitation of primary production in the coastal Gulf of Alaska. **2009**, 56, 2503-2519	43
2082	Application of 4D-Variational data assimilation to the California Current System. **2009**, 48, 69-92	67
2081	Validation of three global ocean models in the Weddell Sea. **2009**, 30, 1-15	27
2080	Importance of resuspended sediment dynamics for the phytoplankton spring bloom in a coastal marine ecosystem. **2009**, 62, 214-228	45
2079	Regional air-sea fluxes of anthropogenic carbon inferred with an Ensemble Kalman Filter. **2009**, 23, n/a-n/a	28
2078	Oceanic sources, sinks, and transport of atmospheric CO2. **2009**, 23, n/a-n/a	374

2077	A new assessment in North Atlantic waters of the relationship between DMS concentration and the upper mixed layer solar radiation dose. **2009**, 23, n/a-n/a	11
2076	Intermodel variability of future changes in the Baiu rainband estimated by the pseudo global warming downscaling method. *Journal of Geophysical Research*, **2009**, 114,	117
2075	On the use of 14CO2 as a tracer for fossil fuel CO2: Quantifying uncertainties using an atmospheric transport model. *Journal of Geophysical Research*, **2009**, 114,	82
2074	Impact of Modified Richards Equation on Global Soil Moisture Simulation in the Community Land Model (CLM3.5). **2009**, 1, n/a-n/a	35
2073	Interannual spring bloom variability and Ekman pumping in the coastal Gulf of Alaska. *Journal of Geophysical Research*, **2009**, 114,	20
2072	AMMA Land Surface Model Intercomparison Experiment coupled to the Community Microwave Emission Model: ALMIP-MEM. *Journal of Geophysical Research*, **2009**, 114,	92
2071	A satellite observation system simulation experiment for carbon monoxide in the lowermost troposphere. *Journal of Geophysical Research*, **2009**, 114,	44
2070	Climate Data Analysis Tools Facilitate Scientific Investigations. **2009**, 90, 297-298	1
2069	Evaluation of WRF mesoscale simulations and particle trajectory analysis for the MILAGRO field campaign. **2009**, 9, 4419-4438	55
2068	The impact of MM5 and WRF meteorology over complex terrain on CHIMERE model calculations. **2009**, 9, 6611-6632	49
2067	The influence of the vertical distribution of emissions on tropospheric chemistry. **2009**, 9, 9417-9432	47
2066	Hit from both sides: tracking industrial and volcanic plumes in Mexico City with surface measurements and OMI SO₂ retrievals during the MILAGRO field campaign. **2009**, 9, 9599-9617	80
2065	Interannual modes of variability of Southern Hemisphere atmospheric circulation in CMIP3 models. **2010**, 11, 012027	2
2064	Uncertainties in atmospheric chemistry modelling due to convection parameterisations and subsequent scavenging. **2010**, 10, 1931-1951	96
2063	Technical Note: A new coupled system for global-to-regional downscaling of CO₂ concentration estimation. **2010**, 10, 3205-3213	22
2062	The impact of dust on sulfate aerosol, CN and CCN during an East Asian dust storm. **2010**, 10, 365-382	86
2061	Observed and simulated global distribution and budget of atmospheric C₂-C₅ alkanes. **2010**, 10, 4403-4422	85
2060	The impact of perturbations to ocean-model parameters on climate and climate change in a coupled model. **2010**, 34, 325-343	35

2059	The Beijing Climate Center atmospheric general circulation model: description and its performance for the present-day climate. **2010**, 34, 123-147	224
2058	Resolution effects on regional climate model simulations of seasonal precipitation over Europe. **2010**, 35, 685-711	156
2057	Boreal summer intraseasonal oscillations and seasonal Indian monsoon prediction in DEMETER coupled models. **2010**, 35, 651-667	20
2056	Key features of the IPSL ocean atmosphere model and its sensitivity to atmospheric resolution. **2010**, 34, 1-26	208
2055	Intercomparison and analyses of the climatology of the West African Monsoon in the West African Monsoon Modeling and Evaluation project (WAMME) first model intercomparison experiment. **2010**, 35, 3-27	110
2054	Climate version of the ETA regional forecast model. **2010**, 99, 255-272	5
2053	Evaluation of atmospheric thermal radiation algorithms for daylight hours. **2010**, 102, 227-241	5
2052	The change in the East Asian summer monsoon simulated by the MIROC3.2 high-resolution coupled model under global warming scenarios. **2010**, 46, 73-88	14
2051	Model ALADIN as regional climate model for Central and Eastern Europe. **2010**, 54, 313-332	53
2050	A FRAMEWORK FOR EVALUATING REGIONAL-SCALE NUMERICAL PHOTOCHEMICAL MODELING SYSTEMS. **2010**, 10, 471-489	147
2049	Complexity, accuracy and practical applicability of different biogeochemical model versions. **2010**, 81, 44-74	29
2048	An emergent community ecosystem model applied to the California Current System. **2010**, 83, 221-241	37
2047	The northeast US application of ATLANTIS: A full system model exploring marine ecosystem dynamics in a living marine resource management context. **2010**, 87, 214-234	74
2046	A 50-year high-resolution atmospheric reanalysis over France with the Safran system. **2010**, 30, 1627-1644	349
2045	Three-dimensional variational data assimilation of ozone and fine particulate matter observations: some results using the Weather Research and Forecastingâ€Chemistry model and Grid-point Statistical Interpolation. **2010**, 136, 2013-2024	75
2044	. **2010**, 62, 377-392	4
2043	Comparison of global ocean colour data records. **2010**, 6, 61-76	45
2042	A model-based assessment of the TrOCA approach for estimating anthropogenic carbon in the ocean. **2010**, 7, 723-751	39

2041	Projected 21st century decrease in marine productivity: a multi-model analysis. **2010**, 7, 979-1005	422
2040	Sensitivity of oxygen dynamics in the water column of the Baltic Sea to external forcing. **2010**, 6, 461-474	5
2039	The benefits of gravimeter observations for modelling water storage changes at the field scale. **2010**, 14, 1715-1730	26
2038	Effect of Model Resolution on Tropical Cyclone Climate Projections. **2010**, 6, 73-76	117
2037	Bergen Earth system model (BCM-C): model description and regional climate-carbon cycle feedbacks assessment. **2010**, 3, 123-141	32
2036	Ecological forecasting under climatic data uncertainty: a case study in phenological modeling. **2010**, 5, 044014	21
2035	Quantifying uncertainty in climate change science through empirical information theory. **2010**, 107, 14958-63	81
2034	The International Urban Energy Balance Models Comparison Project: First Results from Phase 1. **2010**, 49, 1268-1292	333
2033	What controls the spatial distribution of the North Sea plaice spawning population? Confronting ecological hypotheses through a model selection framework. **2010**, 67, 244-257	36
2032	Validation of five years (2003â2007) of SCIAMACHY CO total column measurements using ground-based spectrometer observations. **2010**, 3, 1457-1471	23
2031	Surface Wind Regionalization over Complex Terrain: Evaluation and Analysis of a High-Resolution WRF Simulation. **2010**, 49, 268-287	79
2030	Diagnostics of Climate Model Biases in Summer Temperature and Warm-Season Insolation for the Simulation of Regional Paddy Rice Yield in Japan. **2010**, 49, 574-591	18
2029	Decadal Variations of North Atlantic Sea Surface Temperature in Observations and CMIP3 Simulations*. **2010**, 23, 4619-4636	11
2028	Interpreting Stationary Wave Nonlinearity in Barotropic Dynamics. **2010**, 67, 2240-2250	4
2027	The Roles of External Forcings and Internal Variabilities in the Northern Hemisphere Atmospheric Circulation Change from the 1960s to the 1990s. **2010**, 23, 6200-6220	20
2026	Performance of the New NCAR CAM3.5 in East Asian Summer Monsoon Simulations: Sensitivity to Modifications of the Convection Scheme. **2010**, 23, 3657-3675	105
2025	Considerations for parameter optimization and sensitivity in climate models. **2010**, 107, 21349-54	68
2024	A multi-model analysis of vertical ozone profiles. **2010**, 10, 5759-5783	61

2023	Ecological Modelling as a Tool for Coastal Ecosystem Management. **2010**, 19-41	
2022	Assumed Probability Density Functions for Shallow and Deep Convection. **2010**, 2, n/a-n/a	23
2021	Transient climate simulations from the Maunder Minimum to present day: Role of the stratosphere. *Journal of Geophysical Research*, **2010**, 115,	27
2020	Seasonal versus episodic performance evaluation for an Eulerian photochemical air quality model. *Journal of Geophysical Research*, **2010**, 115,	14
2019	Online simulations of global aerosol distributions in the NASA GEOS-4 model and comparisons to satellite and ground-based aerosol optical depth. *Journal of Geophysical Research*, **2010**, 115,	302
2018	Influence of climate model biases and daily-scale temperature and precipitation events on hydrological impacts assessment: A case study of the United States. *Journal of Geophysical Research* , **2010**, 115,	74
2017	Analysis of the Indian summer monsoon system in the regional climate model COSMO-CLM. *Journal of Geophysical Research*, **2010**, 115,	61
2016	A model-data intercomparison of CO2 exchange across North America: Results from the North American Carbon Program site synthesis. *Journal of Geophysical Research*, **2010**, 115,	216
2015	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. **2010**, 48,	1021
2014	Constraints on black carbon aerosol distribution from Measurement of Pollution in the Troposphere (MOPITT) CO. **2010**, 37, n/a-n/a	7
2013	Multimodel assessment of the upper troposphere and lower stratosphere: Extratropics. *Journal of Geophysical Research*, **2010**, 115,	56
2012	On the radiation budget in regional climate simulations for West Africa. *Journal of Geophysical Research*, **2010**, 115,	28
2011	Terrestrial water budget of the Eurasian pan-Arctic from GRACE satellite measurements during 2003â2009. *Journal of Geophysical Research*, **2010**, 115,	72
2010	Modeling the timing of spring phytoplankton bloom and biological production of the Gulf of St. Lawrence (Canada): Effects of colored dissolved organic matter and temperature. **2010**, 30, 2027-2042	20
2009	Effect of roughness formulation on the performance of a coupled wave, hydrodynamic, and sediment transport model. **2010**, 33, 299-313	24
2008	Inter-annual variability of North Sea plaice spawning habitat. **2010**, 64, 427-435	13
2007	Carbon sources and sinks from an Ensemble Kalman Filter ocean data assimilation. **2010**, 24, n/a-n/a	15
2006	Comparison of current simulations by the state-of-the-art operational models in the Gulf of Finland with ADCP measurements. **2010**,	3

2005	Analysis of temporal variability of measured and modeled vertical distributions of salinity and temperature in the Gulf of Finland during 10-year period. **2010**,	1
2004	Kalman Filter and Analog Schemes to Postprocess Numerical Weather Predictions. **2011**, 139, 3554-3570	155
2003	Incorporating Phaeocystis into a Southern Ocean ecosystem model. *Journal of Geophysical Research* , **2011**, 116,	26
2002	Westerly wind bursts and their relationship with ENSO in CMIP3 models. *Journal of Geophysical Research*, **2011**, 116,	15
2001	The community Noah land surface model with multiparameterization options (Noah-MP): 2. Evaluation over global river basins. *Journal of Geophysical Research*, **2011**, 116,	329
2000	Improved low-cloud simulation from a multiscale modeling framework with a third-order turbulence closure in its cloud-resolving model component. *Journal of Geophysical Research*, **2011**, 116,	38
1999	Diagnosing the stratosphere-troposphere stationary wave response to climate change in a general circulation model. *Journal of Geophysical Research*, **2011**, 116,	11
1998	Evaluation of global precipitation data sets over the Iberian Peninsula. *Journal of Geophysical Research*, **2011**, 116,	128
1997	Seasonal patterns of CO2 fluxes in Amazon forests: Fusion of eddy covariance data and the ORCHIDEE model. *Journal of Geophysical Research*, **2011**, 116,	60
1996	A global reanalysis of vegetation phenology. *Journal of Geophysical Research*, **2011**, 116,	92
1995	A model-data comparison of δ13C in the glacial Atlantic Ocean. **2011**, 26, n/a-n/a	56
1994	Evaluation of cropland maximum light use efficiency using eddy flux measurements in North America and Europe. **2011**, 38, n/a-n/a	38
1993	Automatic calibration of an ensemble for uncertainty estimation and probabilistic forecast: Application to air quality. *Journal of Geophysical Research*, **2011**, 116,	12
1992	Multi-model climate projections for biodiversity risk assessments. **2011**, 21, 3317-3331	71
1991	System Design for Operational Ocean Forecasting. **2011**, 441-486	4
1990	Global Energy and Water Budgets in MERRA. **2011**, 24, 5721-5739	214
1989	Airborne Ocean Surveys of the Loop Current Complex From NOAA WP-3D in Support of the Deepwater Horizon Oil Spill. **2011**, 131-151	13
1988	Evaluating aerosol optical properties observed by ground-based and satellite remote sensing over the Mediterranean and the Middle East in 2006. **2011**, 99, 415-433	45

1987	Ensemble prediction of Mediterranean high-impact events using potential vorticity perturbations. Part I: Comparison against the multiphysics approach. **2011**, 102, 227-241	11
1986	Simulating dynamic crop growth with an adapted land surface model â JULES-SUCROS: Model development and validation. **2011**, 151, 137-153	60
1985	A gridded sea surface salinity data set for the tropical Pacific with sample applications (1950â2008). **2011**, 58, 38-48	77
1984	Atmospheric-induced variability of hydrological and biogeochemical signatures in the NW Alboran Sea. Consequences for the spawning and nursery habitats of European anchovy. **2011**, 58, 1175-1188	20
1983	Corrections to ocean surface forcing in the California Current System using 4D variational data assimilation. **2011**, 36, 116-132	38
1982	Testing an eddy-permitting model of the Southern Ocean carbon cycle against observations. **2011**, 39, 170-182	9
1981	Response of the Gulf Stream transport to characteristic high and low phases of the North Atlantic Oscillation. **2011**, 39, 220-232	13
1980	The effect of topography-enhanced diapycnal mixing on ocean and atmospheric circulation and marine biogeochemistry. **2011**, 39, 262-274	24
1979	Evaluation and Sensitivity Analysis of an Ocean Model Response to Hurricane Ivan. **2011**, 139, 921-945	46
1978	Importance of crop varieties and management practices: evaluation of a process-based model for simulating CO₂ and H₂O fluxes at five European maize (<i>Zea mays</i> L.) sites. **2011**, 8, 1721-1736	19
1977	Seasonal and interannual variability of physical and biological dynamics at the shelfbreak front of the Middle Atlantic Bight: nutrient supply mechanisms. **2011**, 8, 2935-2946	11
1976	What controls biological production in coastal upwelling systems? Insights from a comparative modeling study. **2011**, 8, 2961-2976	47
1975	Downscaling of surface moisture flux and precipitation in the Ebro Valley (Spain) using analogues and analogues followed by random forests and multiple linear regression. **2011**, 15, 1895-1907	49
1974	Impacts of land cover and climate data selection on understanding terrestrial carbon dynamics and the CO₂ airborne fraction. **2011**, 8, 2027-2036	64
1973	An ocean modelling and assimilation guide to using GOCE geoid products. **2011**, 7, 151-164	22
1972	Simplifying a hydrological ensemble prediction system with a backward greedy selection of members â Part 1: Optimization criteria. **2011**, 15, 3307-3325	15
1971	A regional climate simulation over the Iberian Peninsula for the last millennium. **2011**, 7, 451-472	55
1970	Series distance â an intuitive metric to quantify hydrograph similarity in terms of occurrence, amplitude and timing of hydrological events. **2011**, 15, 877-896	58

1969	Global land-surface evaporation estimated from satellite-based observations. **2011**, 15, 453-469	694
1968	TransCom continuous experiment: comparison of ²²²Rn transport at hourly time scales at three stations in Germany. **2011**, 11, 10071-10084	20
1967	Global dust model intercomparison in AeroCom phase I. **2011**, 11, 7781-7816	662
1966	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â2005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. **2011**, 11, 9563-9594	53
1965	Assessment of WRF/Chem to simulate subâArctic boundary layer characteristics during low solar irradiation using radiosonde, SODAR, and surface data. **2011**, 2, 283-299	23
1964	A new snow thermodynamic scheme for large-scale sea-ice models. **2011**, 52, 337-346	25
1963	On ocean and sea ice modes of variability in the Bering Sea. *Journal of Geophysical Research*, **2011**, 116,	98
1962	Evaluating runoff simulations from the Community Land Model 4.0 using observations from flux towers and a mountainous watershed. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a	95
1961	Observational assessment of Arctic Ocean sea ice motion, export, and thickness in CMIP3 climate simulations. *Journal of Geophysical Research*, **2011**, 116,	33
1960	Understanding what controls the spawning distribution of North Sea whiting (Merlangius merlangus) using a multi-model approach. **2011**, 20, 18-31	22
1959	Comparison of climatic efficiency of the mechanisms of land-surface albedo changes caused by land use. **2011**, 47, 290-300	3
1958	Side matters: Microhabitat influence on intertidal heat stress over a large geographical scale. **2011**, 400, 200-208	91
1957	Towards improved criteria for hydrological model calibration: theoretical analysis of distance- and weak form-based functions. **2011**, 401, 1-13	19
1956	Beneath the surface of global change: Impacts of climate change on groundwater. **2011**, 405, 532-560	639
1955	Short time-scale analysis of the NW Mediterranean ecosystem during summerâautumn transition: A 1D modelling approach. **2011**, 84, 1-17	9
1954	Hydrology and circulation in a coastal area off Marseille: Validation of a nested 3D model with observations. **2011**, 88, 20-33	49
1953	Evaluation of biogeochemical cycles in an ensemble of three state-of-the-art numerical models of the Baltic Sea. **2011**, 88, 267-284	101
1952	Evaluation of near surface ozone in air quality simulations forced by a regional climate model over Europe for the period 1991â2000. **2011**, 45, 6489-6500	27

1951	How bias-correction can improve air quality forecasts over Portugal. **2011**, 45, 6629-6641	44
1950	Northern Dvina runoff simulation using land-surface model SWAP and global databases. **2011**, 38, 470-483	21
1949	Modes of variability of Southern Hemisphere atmospheric circulation estimated by AGCMs. **2011**, 36, 473-490	10
1948	Critical influence of the pattern of Tropical Ocean warming on remote climate trends. **2011**, 36, 1577-1591	75
1947	Influence of the orographic roughness of glacier valleys across the Transantarctic Mountains in an atmospheric regional model. **2011**, 36, 1067-1081	12
1946	Interannual variability of CFC-11 absorption by the ocean: an offline model study. **2011**, 36, 1435-1452	5
1945	Climate model errors, feedbacks and forcings: a comparison of perturbed physics and multi-model ensembles. **2011**, 36, 1737-1766	203
1944	Evaluation of the internal variability and estimation of the downscaling ability of the Canadian Regional Climate Model for different domain sizes over the north Atlantic region using the Big-Brother experimental approach. **2011**, 36, 1979-2001	7
1943	Sensitivity to domain size of mid-latitude summer simulations with a regional climate model. **2011**, 37, 343-356	20
1942	Projected changes in South Asian summer monsoon by multi-model global warming experiments. **2011**, 103, 543-565	60
1941	The coupling of cloud base height and surface fluxes: a transferability intercomparison. **2011**, 106, 189-210	6
1940	A one-dimensional modeling study of the diurnal cycle in the equatorial Atlantic at the PIRATA buoys during the EGEE-3 campaign. **2011**, 61, 1-20	18
1939	Comparison between satellite and in situ sea surface temperature data in the Western Mediterranean Sea. **2011**, 61, 767-778	6
1938	Spectral analysis of mean flow and turbulence forced by waves in a horizontally homogeneous zone of the Iroise sea. **2011**, 61, 1887-1903	3
1937	Multi-model projection of JulyâAugust climate extreme changes over China under CO2 doubling. Part I: Precipitation. **2011**, 28, 433-447	62
1936	Improving the description of the suspended particulate matter concentrations in the southern North Sea through assimilating remotely sensed data. **2011**, 46, 179-204	16
1935	Sensitivity of the WRF model simulation of the East Asian summer monsoon in 1993 to shortwave radiation schemes and ozone absorption. **2011**, 47, 167-180	34
1934	Features of rainfall and latent heating structure simulated by two convective parameterization schemes. **2011**, 54, 1779-1788	12

1933	A likelihood-based comparison of temporal models for physical processes. **2011**, 4, 247-258	8
1932	Impact of climate change on surface winds in France using a statistical-dynamical downscaling method with mesoscale modelling. **2011**, 31, 415-430	37
1931	Bivariate colour maps for visualizing climate data. **2011**, 31, 1408-1412	31
1930	Empirical-statistical downscaling and error correction of daily precipitation from regional climate models. **2011**, 31, 1530-1544	416
1929	Initial results from Phase 2 of the international urban energy balance model comparison. **2011**, 31, 244-272	245
1928	Assessment of GCM simulations of annual and seasonal rainfall and daily rainfall distribution across south-east Australia. **2011**, 25, 1486-1497	29
1927	AR4 climate model performance in simulating snow water equivalent over Catskill Mountain watersheds, New York, USA. **2011**, 25, 3302-3311	15
1926	Robust fuzzy regression analysis. **2011**, 181, 4154-4174	67
1925	Improvements to a MODIS global terrestrial evapotranspiration algorithm. **2011**, 115, 1781-1800	1581
1924	Assessment and propagation of uncertainties in input terms through an ocean-color-based model of primary productivity. **2011**, 115, 1906-1917	27
1923	Continental-scale net radiation and evapotranspiration estimated using MODIS satellite observations. **2011**, 115, 2302-2319	84
1922	. **2011**,	13
1921	Assessing climate change impacts on the near-term stability of the wind energy resource over the United States. **2011**, 108, 8167-71	104
1920	A global coupled Eulerian-Lagrangian model and 1 □1 km CO₂ surface flux dataset for high-resolution atmospheric CO₂ transport simulations. **2011**,	2
1919	A new version of the CNRM Chemistry-Climate Model, CNRM-CCM: description and improvements from the CCMVal-2 simulations. **2011**, 4, 873-900	22
1918	The ACCENT-protocol: a framework for benchmarking and model evaluation. **2011**,	
1917	Are regional climate models relevant for crop yield prediction in West Africa?. **2011**, 6, 014008	63
1916	Prospects for Improving Subseasonal Predictions. **2011**, 139, 3648-3666	31

1915	Evaluation of a Conjunctive Surfaceâ Subsurface Process Model (CSSP) over the Contiguous United States at Regionalâ Local Scales. **2011**, 12, 579-599	35
1914	Evaluation of the South Pacific Convergence Zone in IPCC AR4 Climate Model Simulations of the Twentieth Century. **2011**, 24, 1565-1582	63
1913	Dominant Mode of Climate Variability, Intermodel Diversity, and Projected Future Changes over the Summertime Western North Pacific Simulated in the CMIP3 Models. **2011**, 24, 3935-3955	24
1912	Precipitation Reproducibility over Tropical Oceans and Its Relationship to the Double ITCZ Problem in CMIP3 and MIROC5 Climate Models. **2011**, 24, 4859-4873	77
1911	The HadGEM2 family of Met Office Unified Model climate configurations. **2011**, 4, 723-757	618
1910	Development and evaluation of an Earth-system model â HadGEM2. **2011**,	124
1909	Coupling a new turbulence parametrization to RegCM adds realistic stratocumulus clouds. **2011**,	
1908	Forecast Verification. **2011**, 301-394	296
1907	An Assessment of GCM Skill in Simulating Persistence across Multiple Time Scales. **2011**, 24, 3609-3623	68
1906	Ground-level ozone concentration over Spain: an application of Kalman Filter post-processing to reduce model uncertainties. **2011**,	4
1905	Parameterization-Induced Error Characteristics of MM5 and WRF Operated in Climate Mode over the Alpine Region: An Ensemble-Based Analysis. **2011**, 24, 3107-3123	65
1904	The future climate characteristics of the Carpathian Basin based on a regional climate model mini-ensemble. **2011**, 6, 69-73	20
1903	The HadGEM2 family of Met Office Unified Model Climate configurations. **2011**,	51
1902	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. **2011**, 24, 3484-3519	768
1901	Evaluation of the carbon cycle components in the Norwegian Earth System Model (NorESM). **2012**,	15
1900	A 4-D climatology (1979â 2009) of the monthly aerosol optical depth distribution over the Mediterranean region from a comparative evaluation and blending of remote sensing and model products. **2012**,	1
1899	How realistic are air quality hindcasts driven by forcings from climate model simulations?. **2012**, 5, 1565-1587	13
1898	The ACCENT-protocol: a framework for benchmarking and model evaluation. **2012**, 5, 611-618	8

1897	Upward Shift of the Atmospheric General Circulation under Global Warming: Theory and Simulations. **2012**, 25, 8259-8276	63
1896	Temporal- and Spatial-Scale Dependence of Three CMIP3 Climate Models in Simulating the Surface Temperature Trend in the Twentieth Century. **2012**, 25, 2456-2470	11
1895	Atlantic Warm-Pool Variability in the IPCC AR4 CGCM Simulations. **2012**, 25, 5612-5628	15
1894	How Physical Parameterizations Can Modulate Internal Variability in a Regional Climate Model. **2012**, 69, 714-724	30
1893	Constraining Wind Stress Products with Sea Surface Height Observations and Implications for Pacific Ocean Sea Level Trend Attribution*. **2012**, 25, 8164-8176	73
1892	On the Correspondence between Short- and Long-Time-Scale Systematic Errors in CAM4/CAM5 for the Year of Tropical Convection. **2012**, 25, 7937-7955	63
1891	On the Suitability of GCM Runoff Fields for River Discharge Modeling: A Case Study Using Model Output from HadGEM2 and ECHAM5. **2012**, 13, 140-154	15
1890	Evaluating Modeled Intra- to Multidecadal Climate Variability Using Running Mannâ€Whitney Z Statistics. **2012**, 25, 1570-1586	7
1889	North Australian Sea Surface Temperatures and the El Niêâ€outhern Oscillation in Observations and Models. **2012**, 25, 5011-5029	17
1888	Exposing Global Cloud Biases in the Community Atmosphere Model (CAM) Using Satellite Observations and Their Corresponding Instrument Simulators. **2012**, 25, 5190-5207	215
1887	Seasonal Variations of the Urban Heat Island at the Surface and the Near-Surface and Reductions due to Urban Vegetation in Mexico City. **2012**, 51, 855-868	93
1886	Observed and Modeled Twentieth-Century Spatial and Temporal Patterns of Selected Agro-Climate Indices in North America. **2012**, 25, 473-490	20
1885	Internal Variability of the Canadian RCMâ€ Hydrological Variables at the Basin Scale in Quebec and Labrador. **2012**, 13, 443-462	22
1884	Coupling a new turbulence parametrization to RegCM adds realistic stratocumulus clouds. **2012**, 5, 989-1008	22
1883	Displaying Economic Value. **2012**, 27, 1604-1612	3
1882	Reconciling Simulated and Observed Views of Clouds: MODIS, ISCCP, and the Limits of Instrument Simulators. **2012**, 25, 4699-4720	215
1881	The Hydrological Cycle in Three State-of-the-Art Reanalyses: Intercomparison and Performance Analysis. **2012**, 13, 1397-1420	266
1880	Accuracy assessment of Aqua-MODIS aerosol optical depth over coastal regions: importance of quality flag and sea surface wind speed. **2012**,	8

1879	Continuous Single-Column Model Evaluation at a Permanent Meteorological Supersite. **2012**, 93, 1389-1400	64
1878	Water quality monitoring in Basque coastal areas using local chlorophyll-a algorithm and MERIS images. **2012**, 6, 063519	5
1877	Response to Comment on "Multiyear Prediction of Monthly Mean Atlantic Meridional Overturning Circulation at 26.5´N". **2012**, 338, 604-604	5
1876	Soil Moisture Analyses at ECMWF: Evaluation Using Global Ground-Based In Situ Observations. **2012**, 13, 1442-1460	101
1875	Application of optimal interpolation to vertical current data in the Ieo Island of Korea using unstructured grid ocean numerical model(FVCOM). **2012**,	
1874	Homogenization of Portuguese long-term temperature data series: Lisbon, Coimbra and Porto. **2012**,	1
1873	A global coupled Eulerian-Lagrangian model and 1 □ km CO₂ surface flux dataset for high-resolution atmospheric CO₂ transport simulations. **2012**, 5, 231-243	28
1872	A methodology for estimating seasonal cycles of atmospheric CO₂ resulting from terrestrial net ecosystem exchange (NEE) fluxes using the Transcom T3L2 pulse-response functions. **2012**,	4
1871	How should sparse in situ measurements be compared to continuous model data?. **2012**,	3
1870	How realistic are air quality hindcasts driven by forcings from climate model simulations?. **2012**,	
1869	Some issues in uncertainty quantification and parameter tuning: a case study of convective parameterization scheme in the WRF regional climate model. **2012**, 12, 2409-2427	95
1868	Mid-tropospheric □ observations from IASI/MetOp at high spatial and temporal resolution. **2012**, 12, 10817-10832	58
1867	Nudging technique for scale bridging in air quality/climate atmospheric composition modelling. **2012**, 12, 3677-3685	6
1866	Dust emission size distribution impact on aerosol budget and radiative forcing over the Mediterranean region: a regional climate model approach. **2012**, 12, 10545-10567	65
1865	Uncertainties in SOA simulations due to meteorological uncertainties in Mexico City during MILAGRO-2006 field campaign. **2012**, 12, 11295-11308	33
1864	Intercomparison of modal and sectional aerosol microphysics representations within the same 3-D global chemical transport model. **2012**, 12, 4449-4476	83
1863	Distributions and regional budgets of aerosols and their precursors simulated with the EMAC chemistry-climate model. **2012**, 12, 961-987	108
1862	Madden-Julian Oscillation in a climate model with a well-resolved stratosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	12

1861	Evaluation of an ice cloud parameterization based on a dynamical-microphysical lifetime concept using CloudSat observations and the ERA-Interim reanalysis. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	9
1860	Mediterranean precipitation climatology, seasonal cycle, and trend as simulated by CMIP5. **2012**, 39, n/a-n/a	52
1859	The â€œtoo few, too brightâ€ tropical low-cloud problem in CMIP5 models. **2012**, 39, n/a-n/a	225
1858	A new estimate of the global 3D geostrophic ocean circulation based on satellite data and in-situ measurements. **2012**, 77-80, 70-81	69
1857	Future Changes in Tropical Cyclone Activity Projected by the New High-Resolution MRI-AGCM. **2012**, 25, 3237-3260	272
1856	Bibliography. **2012**, 531-621	
1855	Validation of the present day annual cycle in heavy precipitation over the British Islands simulated by 14 RCMs. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	8
1854	North Atlantic atmospheric circulation and surface wind in the Northeast of the Iberian Peninsula: uncertainty and long term downscaled variability. **2012**, 38, 141-160	25
1853	A comparison of different versions of the SEEK Filter for assimilation of biogeochemical data in numerical models of marine ecosystem dynamics. **2012**, 54-55, 37-54	1
1852	Characterization of the rainy season in Burkina Faso and itâ€ representation by regional climate models. **2012**, 39, 1287-1302	51
1851	ENSO, IOD and Indian Summer Monsoon in NCEP climate forecast system. **2012**, 39, 2143-2165	61
1850	Performance of a multi-RCM ensemble for South Eastern South America. **2012**, 39, 2747-2768	44
1849	Will climate change impact on wind power development in the UK?. **2012**, 115, 837-852	26
1848	. **2012**,	4
1847	Continental-Scale Basin Water Storage Variation from Global and Dynamically Downscaled Atmospheric Water Budgets in Comparison with GRACE-Derived Observations. **2012**, 13, 1589-1603	13
1846	Evaluation of remotely sensed and modelled soil moisture products using global ground-based in situ observations. **2012**, 118, 215-226	358
1845	Skill assessment of a hydrodynamic model of circulation over the Texasâ€louisiana continental shelf. **2012**, 43-44, 64-76	41
1844	Hypoxia in the Lower St. Lawrence Estuary: How physics controls spatial patterns. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	12

1843	The impact of thermodynamic module in the CTM performances. **2012**, 61, 652-660	8
1842	A global climate model based, Bayesian climate projection for northern extraâ€tropical land areas. **2012**, 86-87, 57-65	15
1841	Evaluation of multireanalysis products with in situ observations over the Tibetan Plateau. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	167
1840	Toward understanding of differences in current cloud retrievals of ARM ground-based measurements. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	85
1839	Influence of spatial resolution on regional climate model derived wind climates. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	40
1838	Observationally based evaluation of NWP reanalyses in modeling cloud properties over the Southern Great Plains. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	7
1837	A diagnostic suite to assess NWP performance. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	23
1836	Comparison of shadow-ring correction models for diffuse solar irradiance. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	11
1835	Validation and comparison of two soil-vegetation-atmosphere transfer models for tropical Africa. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	19
1834	Monitoring groundwater storage changes in the highly seasonal humid tropics: Validation of GRACE measurements in the Bengal Basin. **2012**, 48,	145
1833	The impact of future changes in weather patterns on extreme sea levels over southern Australia. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	18
1832	Probabilistic projections of agro-climate indices in North America. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	22
1831	Expected future changes in the African monsoon between 2030 and 2070 using some CMIP3 and CMIP5 models under a medium-low RCP scenario. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	73
1830	Assessing the performance of Intergovernmental Panel on Climate Change AR5 climate models in simulating and projecting wind speeds over China. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	42
1829	An observationally based evaluation of cloud ice water in CMIP3 and CMIP5 GCMs and contemporary reanalyses using contemporary satellite data. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	129
1828	The hindcast skill of the CMIP ensembles for the surface air temperature trend. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	16
1827	The summer North Atlantic Oscillation in CMIP3 models and related uncertainties in projected summer drying in Europe. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	25
1826	Future changes and uncertainties in Asian precipitation simulated by multiphysics and multiâ€sea surface temperature ensemble experiments with high-resolution Meteorological Research Institute atmospheric general circulation models (MRI-AGCMs). *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	78

1825	Experiments with the assimilation of fine aerosols using an ensemble Kalman filter. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	62
1824	A fine-scale architectural model of trees to enhance LiDAR-derived measurements of forest canopy structure. **2012**, 166-167, 72-85	63
1823	Change in El Niô flavours over 1958â2008: Implications for the long-term trend of the upwelling off Peru. **2012**, 77-80, 143-156	54
1822	A tool to evaluate air quality model performances in regulatory applications. **2012**, 38, 220-230	36
1821	Temperature and precipitation changes in the north-east India and their future projections. **2012**, 98-99, 31-44	48
1820	Screening California Current fishery management scenarios using the Atlantis end-to-end ecosystem model. **2012**, 102, 5-18	63
1819	Multi-decadal variability and trends in the temperature of the northwest European continental shelf: A model-data synthesis. **2012**, 106, 96-117	50
1818	Validation of the SMOS L2 Soil Moisture Data in the REMEDHUS Network (Spain). **2012**, 50, 1602-1611	151
1817	Comparison of primary productivity algorithms for Korean waters. **2012**, 47, 473-487	8
1816	Wind Field Climatology, Changes, and Extremes in the ChukchiâBeaufort Seas and Alaska North Slope during 1979â2009. **2012**, 25, 8075-8089	37
1815	A Web-Based Geovisual Analytical System for Climate Studies. **2012**, 4, 1069-1085	18
1814	On the outflow of dense water from the Weddell and Ross Seas in OCCAM model. **2012**, 8, 369-388	23
1813	A model study of the seasonal and longâterm North Atlantic surface <i>p</i>CO₂ variability. **2012**, 9, 907-923	18
1812	Validation of FOAM near-surface ocean current forecasts using Lagrangian drifting buoys. **2012**, 8, 551-565	15
1811	Strengthening of the Southern Side of the Jet Stream and Delayed Withdrawal of Baiu Season in Future Climate. **2012**, 90, 663-671	16
1810	Regional assessment of the parameter-dependent performance of CAM4 in simulating tropical clouds. **2012**, 39, n/a-n/a	25
1809	Multi-model Projection of Tropical Cyclone Genesis Frequency over the Western North Pacific: CMIP5 Results. **2012**, 8, 137-140	9
1808	A framework for benchmarking land models. **2012**, 9, 3857-3874	238

1807	Validation of the NEMO-ERSEM operational ecosystem model for the North West European Continental Shelf. **2012**, 8, 983-1000	49
1806	Heavy precipitation events in the Mediterranean: sensitivity to cloud physics parameterisation uncertainties. **2012**, 12, 2671-2688	28
1805	Assimilating GlobColour ocean colour data into a pre-operational physical-biogeochemical model. **2012**, 8, 751-771	38
1804	An Assessment of Reliability of Future Projections by Multi-Model Ensemble Based on a New Method Measuring Contribution of External Forcings to Total Variance. **2012**, 90, 145-158	1
1803	A comprehensive approach to analyze discrepancies between land surface models and in-situ measurements: a case study over the US and Illinois with SECHIBA forced by NLDAS. **2012**, 16, 3973-3988	3
1802	Uncertainty in carbon exchange modelling in a forest canopy due to kBâ parametrizations. **2012**, 138, 699-706	5
1801	Tracking and prediction of large-scale organized tropical convection by spectrally focused two-step spaceâtime EOF analysis. **2012**, 138, 919-931	19
1800	Improving the diurnal cycle of convection in GCMs. **2012**, 138, 1121-1134	59
1799	Evaluation of Arctic sea ice thickness simulated by Arctic Ocean Model Intercomparison Project models. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a	56
1798	Consensus on Twenty-First-Century Rainfall Projections in Climate Models More Widespread than Previously Thought. **2012**, 25, 3792-3809	80
1797	The influence of synoptic airflow on UK daily precipitation extremes. Part II: regional climate model and E-OBS data validation. **2012**, 39, 287-301	26
1796	Downscaled simulations of the ECHAM5, CCSM3 and HadCM3 global models for the eastern MediterraneanâBlack Sea region: evaluation of the reference period. **2012**, 39, 207-225	36
1795	Change in the precipitation intensity of the East Asian summer monsoon projected by CMIP3 models. **2012**, 38, 2055-2072	52
1794	Examining evapotranspiration trends in Africa. **2012**, 38, 1849-1865	40
1793	The uncertainty of UTCI due to uncertainties in the determination of radiation fluxes derived from measured and observed meteorological data. **2012**, 56, 537-55	49
1792	openair âAn R package for air quality data analysis. **2012**, 27-28, 52-61	901
1791	Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. **2012**, 53, 15-37	99
1790	Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. **2012**, 53, 75-92	176

1789	Influence of grid resolution and meteorological forcing on simulated European air quality: A sensitivity study with the modeling system COSMOâMUSCAT. **2012**, 53, 110-130	68
1788	Assessment of Kalman filter bias-adjustment technique to improve the simulation of ground-level ozone over Spain. **2012**, 416, 329-42	10
1787	CGCM projections of heavy rainfall events in China. **2012**, 32, 441-450	81
1786	Climate Forcing and Salinity Variability in Chesapeake Bay, USA. **2012**, 35, 237-261	54
1785	Assessment of CMIP3 climate models and projected changes of precipitation and temperature in the Yangtze River Basin, China. **2012**, 111, 737-751	19
1784	Use of variability modes to evaluate AR4 climate models over the Euro-Atlantic region. **2012**, 38, 225-237	24
1783	Evaluation of an operational iceâocean analysis and forecasting system for the Gulf of St Lawrence. **2013**, 139, 419-433	28
1782	How malaria models relate temperature to malaria transmission. **2013**, 6, 20	41
1781	Climate projections for southern Africa using complementary methods. **2013**, 5, 130-151	8
1780	Evaluation of a climate simulation in Europe based on the WRFâNOAH model system: precipitation in Germany. **2013**, 41, 755-774	89
1779	Simulating long-term dynamics of the coupled North Sea and Baltic Sea ecosystem with ECOSMO II: Model description and validation. **2013**, 119-120, 30-49	53
1778	Evaluation of Surface Flux Parameterizations with Long-Term ARM Observations. **2013**, 141, 773-797	20
1777	The CIRCE Simulations: Regional Climate Change Projections with Realistic Representation of the Mediterranean Sea. **2013**, 94, 65-81	128
1776	Drought Influences the Accuracy of Simulated Ecosystem Fluxes: A Model-Data Meta-analysis for Mediterranean Oak Woodlands. **2013**, 16, 749-764	37
1775	Large biases and inconsistent climate change signals in ENSEMBLES regional projections. **2013**, 120, 859-869	31
1774	Uncertainties on the simulated summer precipitation over Eastern China from the CMIP5 models. **2013**, 118, 9035-9047	93
1773	Precipitation-surface temperature relationship in the IPCC CMIP5 models. **2013**, 30, 766-778	44
1772	Reproducibility of precipitation distribution over the tropical oceans in CMIP5 multi-climate models compared to CMIP3. **2013**, 41, 2909-2920	50

1771	Added value of convection permitting seasonal simulations. **2013**, 41, 2655-2677	161
1770	The Indo-Australian monsoon and its relationship to ENSO and IOD in reanalysis data and the CMIP3/CMIP5 simulations. **2013**, 41, 3073-3102	132
1769	Can added value be expected in RCM-simulated large scales?. **2013**, 41, 1769-1800	59
1768	Optimal nudging strategies in regional climate modelling: investigation in a Big-Brother experiment over the European and Mediterranean regions. **2013**, 41, 2451-2470	50
1767	Quantitative evaluation of the seasonal variations in climate model cloud regimes. **2013**, 41, 2679-2696	32
1766	Validating a regional climate modelâ downscaling ability for East Asian summer monsoonal interannual variability. **2013**, 41, 2411-2426	32
1765	How well can CMIP5 simulate precipitation and its controlling processes over tropical South America?. **2013**, 41, 3127-3143	154
1764	El Niè teleconnections in CMIP5 models. **2013**, 41, 2165-2177	40
1763	Modes of interannual variability of Southern Hemisphere atmospheric circulation in CMIP3 models: assessment and projections. **2013**, 41, 479-500	19
1762	Projected changes in tropical cyclone climatology and landfall in the Southwest Indian Ocean region under enhanced anthropogenic forcing. **2013**, 40, 2867-2886	37
1761	The CNRM-CM5.1 global climate model: description and basic evaluation. **2013**, 40, 2091-2121	816
1760	A further assessment of vegetation feedback on decadal Sahel rainfall variability. **2013**, 40, 1453-1466	42
1759	The effects of aggressive mitigation on steric sea level rise and sea ice changes. **2013**, 40, 531-550	8
1758	Resolution dependence of tropical cyclone formation in CMIP3 and finer resolution models. **2013**, 40, 585-599	64
1757	Using climate impacts indicators to evaluate climate model ensembles: temperature suitability of premium winegrape cultivation in the United States. **2013**, 40, 709-729	19
1756	Relationship between wind power production and North Atlantic atmospheric circulation over the northeastern Iberian Peninsula. **2013**, 40, 935-949	16
1755	The role of transboundary air pollution over Galicia and North Portugal area. **2013**, 20, 2924-36	7
1754	East Asian monsoon change for the 21st century: Results of CMIP3 and CMIP5 models. **2013**, 58, 1427-1435	89

1753	A comprehensive evaluation of two MODIS evapotranspiration products over the conterminous United States: Using point and gridded FLUXNET and water balance ET. **2013**, 139, 35-49	234
1752	Projected change in East Asian summer monsoon precipitation under RCP scenario. **2013**, 121, 55-77	71
1751	Status of NCEP CFS vis-a-vis IPCC AR4 models for the simulation of Indian summer monsoon. **2013**, 111, 65-78	19
1750	Monthly prediction of rainfall over India and its homogeneous zones during monsoon season: a supervised principal component regression approach on general circulation model products. **2013**, 111, 327-339	12
1749	Skill and Global Trend Analysis of Soil Moisture from Reanalyses and Microwave Remote Sensing. **2013**, 14, 1259-1277	162
1748	Numerical modelling of spatio-temporal variability of growth of Mytilus edulis (L.) and influence of its cultivation on ecosystem functioning. **2013**, 76, 5-21	27
1747	Evaluation of continental carbon cycle simulations with North American flux tower observations. **2013**, 83, 531-556	63
1746	Modelling Saharan dust transport into the Mediterranean basin with CMAQ. **2013**, 70, 337-350	30
1745	Seasonal circulation over the Catalan inner-shelf (northwest Mediterranean Sea). **2013**, 118, 5844-5857	23
1744	Marine Ecosystem Dynamics and Biogeochemical Cycling in the Community Earth System Model [CESM1(BGC)]: Comparison of the 1990s with the 2090s under the RCP4.5 and RCP8.5 Scenarios. **2013**, 26, 9291-9312	242
1743	Evaluating and Improving Cloud Parameter Retrievals. **2013**, 94, ES41-ES44	11
1742	Improved state estimations of lower trophic ecosystems in the global ocean based on a Greenâ function approach. **2013**, 119, 90-107	13
1741	Verification of precipitable water vapour in high-resolution WRF simulations over a mountainous archipelago. **2013**, 139, 2119-2133	14
1740	The relative importance of rainfall, temperature and yield data for a regional-scale crop model. **2013**, 170, 47-57	33
1739	A High Performance Web-Based System for Analyzing and Visualizing Spatiotemporal Data for Climate Studies. **2013**, 190-198	8
1738	Modifying the Soil and Water Assessment Tool to simulate cropland carbon flux: model development and initial evaluation. **2013**, 463-464, 810-22	39
1737	A numerical experiment on the influence of the interannual variation of sea surface temperature on terrestrial precipitation in northern Japan during the cold season. **2013**, 49, 7763-7777	12
1736	Evaluation of spring persistent rainfall over East Asia in CMIP3/CMIP5 AGCM simulations. **2013**, 30, 1587-1600	17

1735	Ensemble Techniques to Improve Air Quality Assessment: Focus on O3 and PM. **2013**, 18, 249-257	10
1734	POMI: a model inter-comparison exercise over the Po Valley. **2013**, 6, 701-715	26
1733	Data Fusion Techniques for Improving Soil Moisture Deficit Using SMOS Satellite and WRF-NOAH Land Surface Model. **2013**, 27, 5069	36
1732	Seasonality of interannual atmosphereâ□ocean interaction in the South China Sea. **2013**, 69, 699-712	23
1731	Conservation management and sustainable harvest quotas are sensitive to choice of climate modelling approach for two marine gastropods. **2013**, 19, 1299-1312	7
1730	Characterizing and understanding radiation budget biases in CMIP3/CMIP5 GCMs, contemporary GCM, and reanalysis. **2013**, 118, 8166-8184	107
1729	Development of a skill assessment tool for the Korea operational oceanographic system. **2013**, 32, 74-81	4
1728	Impact of ship-borne nitrogen deposition on the Gulf of Finland ecosystem: an evaluation**The work presented in this study was jointly funded by the European Regional Development Fund, Central Baltic INTERREG IV A Programme within the project SNOOP and the European Unionâ□ Seventh Framework Programme FP/2007â□2011 within the projects ECOSUPPORT, grant agreement	8
1727	Estimating surface visibility at Hong Kong from ground-based LIDAR, sun photometer and operational MODIS products. **2013**, 63, 1098-110	6
1726	UV-CDAT: Analyzing Climate Datasets from a User's Perspective. **2013**, 15, 94-103	20
1725	The Canadian Fourth Generation Atmospheric Global Climate Model (CanAM4). Part I: Representation of Physical Processes. **2013**, 51, 104-125	260
1724	The application of flux-form semi-Lagrangian transport scheme in a spectral atmosphere model. **2013**, 30, 89-100	9
1723	Very extreme seasonal precipitation in the NARCCAP ensemble: model performance and projections. **2013**, 40, 59-80	105
1722	Validation of a thirty year wave hindcast using the Climate Forecast System Reanalysis winds. **2013**, 70, 189-206	237
1721	Mid-Holocene net precipitation changes over China: modelâ□data comparison. **2013**, 82, 104-120	40
1720	Performance of Multi Model Canonical Correlation Analysis (MMCCA) for prediction of Indian summer monsoon rainfall using GCMs output. **2013**, 345, 62-72	4
1719	Tide-surge-wave modelling and forecasting in the Mediterranean Sea with focus on the Italian coast. **2013**, 61, 38-48	57
1718	Comparative study of regional rainfall characteristics simulated by RegCM3 and recorded by IMD. **2013**, 106, 111-122	25

1717	Modelling the fishing costs of French commercial vessels in the Bay of Biscay. **2013**, 146, 74-85	20
1716	The NOPP operational wave model improvement project. **2013**, 70, 2-10	43
1715	An operational ocean circulation prediction system for the western North Atlantic: Hindcasting during Julyâ□September of 2006. **2013**, 63, S177-S192	14
1714	Evaluation and application of Bayesian multi-model estimation in temperature simulations. **2013**, 37, 727-744	41
1713	Arctic sea ice decline and ice export in the CMIP5 historical simulations. **2013**, 71, 114-126	34
1712	An Ensemble Kalman Filter multi-tracer assimilation: Determining uncertain ocean model parameters for improved climate-carbon cycle projections. **2013**, 64, 29-45	9
1711	Algorithm development for predicting biodiversity based on phytoplankton absorption. **2013**, 55, 17-28	12
1710	Improving the assessment of wave energy resources by means of coupled wave-ocean numerical modeling. **2013**, 60, 462-471	50
1709	A simple biogeochemical model for estuaries with high sediment loads: Application to the Guadalquivir River (SW Iberia). **2013**, 265, 194-206	14
1708	Phytoplankton growth formulation in marine ecosystem models: Should we take into account photo-acclimation and variable stoichiometry in oligotrophic areas?. **2013**, 125, 29-40	31
1707	Waveâ□current interaction: Effect on the wave field in a semi-enclosed basin. **2013**, 70, 152-165	69
1706	The ability of the adjoint technique to recover decadal variability of the North Atlantic circulation. **2013**, 69, 166-180	3
1705	Spring and summer precipitation changes from 1880 to 2011 and the future projections from CMIP5 models in the Yangtze River Basin, China. **2013**, 304, 95-106	22
1704	Evaluation of parametric and statistical approaches for the regionalization of flow duration curves in intermittent regimes. **2013**, 480, 19-32	33
1703	How well do the GCMs/RCMs capture the multi-scale temporal variability of precipitation in the Southwestern United States?. **2013**, 479, 75-85	48
1702	Assessing the impact of downscaled winds on a regional ocean model simulation of the Humboldt system. **2013**, 65, 11-24	23
1701	Sea ice phenology and timing of primary production pulses in the Arctic Ocean. **2013**, 19, 734-41	112
1700	Wind-induced variability in coastal larval retention areas: a case study on Western Baltic spring-spawning herring. **2013**, 22, 388-399	14

1699	Scale space methods for climate model analysis. **2013**, 118, 5082-5097	6
1698	Using paleo-climate comparisons to constrain future projections in CMIP5. **2013**,	16
1697	Likely Ranges of Climate Change in Bolivia. **2013**, 52, 1303-1317	33
1696	Seasonal mixed-layer salinity balance in the tropical Atlantic Ocean: Mean state and seasonal cycle. **2013**, 118, 332-345	42
1695	Assessing Future Changes in the East Asian Summer Monsoon Using CMIP5 Coupled Models. **2013**, 26, 7662-7675	86
1694	A Comparison of Atmospheric Reanalysis Surface Products over the Ocean and Implications for Uncertainties in Airâ Sea Boundary Forcing. **2013**, 26, 153-170	58
1693	Barotropic and deep-referenced baroclinic SSH variability derived from Pressure Inverted Echo Sounders (PIES) south of Africa. **2013**, 118, 3046-3058	10
1692	How do weather characteristics change in a warming climate?. **2013**, 41, 3261-3281	11
1691	Attribution of Projected Future Changes in Tropical Cyclone Passage Frequency over the Western North Pacific. **2013**, 26, 4096-4111	27
1690	Statistical Downscaling in Climatology. **2013**, 7, 249-265	60
1689	Evaluation of the Sensitivity of the Weather Research and Forecasting Model to Parameterization Schemes for Regional Climates of Europe over the Period 1990â 95. **2013**, 26, 1002-1017	74
1688	On the application of ensemble modeling techniques to improve ambient solar wind models. **2013**, 118, 600-607	25
1687	Impact of climate change on water resources status: A case study for Crete Island, Greece. **2013**, 479, 146-158	81
1686	A multi-decadal hindcast of a physicalâ Biogeochemical model and derived oceanographic indices in the Bay of Biscay. **2013**, 109-110, S77-S94	30
1685	Performances of seven datasets in presenting the upper ocean heat content in the South China Sea. **2013**, 30, 1331-1342	4
1684	Site-level modelâ data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts. **2013**, 18, 13-20	29
1683	An assessment of the skill of real-time models of Mid-Atlantic Bight continental shelf circulation. **2013**, 118, 2919-2933	44
1682	Simulating Clouds with Global Climate Models: A Comparison of CMIP5 Results with CMIP3 and Satellite Data. **2013**, 26, 3823-3845	95

1681	Remote sensing of surface visibility from space: A look at the United States East Coast. **2013**, 81, 136-147	48
1680	The Tibetan Plateau Summer Monsoon in the CMIP5 Simulations. **2013**, 26, 7747-7766	45
1679	Lead time for medium range prediction of the dry spell of monsoon using multi-models. **2013**, 122, 991-1004	4
1678	Validating climate models for computing evapotranspiration in hydrologic studies: how relevant are climate model simulations over Florida?. **2013**, 13, 81-90	5
1677	High resolution regional climate model simulations for Germany: part Iâ validation. **2013**, 40, 401-414	60
1676	Independent confirmation of global land warming without the use of station temperatures. **2013**, 40, 3170-3174	38
1675	Generalized ocean color inversion model for retrieving marine inherent optical properties. **2013**, 52, 2019-37	263
1674	Representation of the Arctic Oscillation in the CMIP5 Models. **2013**, 4, 242-249	18
1673	Assessing Future Changes in the East Asian Summer Monsoon Using CMIP3 Models: Results from the Best Model Ensemble. **2013**, 26, 1807-1817	35
1672	Assessing temporal stability for coarse scale satellite moisture validation in the Maqu area, Tibet. **2013**, 13, 10725-48	4
1671	The Development and Assessment of a Model-, Grid-, and Basin-Independent Tropical Cyclone Detection Scheme. **2013**, 26, 5493-5507	32
1670	Cloud-State-Dependent Sampling in AIRS Observations Based on CloudSat Cloud Classification. **2013**, 26, 8357-8377	29
1669	Higher-Order Turbulence Closure and Its Impact on Climate Simulations in the Community Atmosphere Model. **2013**, 26, 9655-9676	122
1668	Simulation and Projection of the Southern Hemisphere Annular Mode in CMIP5 Models. **2013**, 26, 9860-9879	82
1667	Evaluation of the Surface Climatology over the Conterminous United States in the North American Regional Climate Change Assessment Program Hindcast Experiment Using a Regional Climate Model Evaluation System. **2013**, 26, 5698-5715	32
1666	Evaluation of the carbon cycle components in the Norwegian Earth System Model (NorESM). **2013**, 6, 301-325	175
1665	The GREENROOF module (v7.3) for modelling green roof hydrological and energetic performances within TEB. **2013**,	2
1664	Evaluating Low-Cloud Simulation from an Upgraded Multiscale Modeling Framework Model. Part I: Sensitivity to Spatial Resolution and Climatology. **2013**, 26, 5717-5740	31

1663	Metrics and Diagnostics for Precipitation-Related Processes in Climate Model Short-Range Hindcasts. **2013**, 26, 1516-1534	34
1662	Constraining a System of Interacting Parameterizations through Multiple-Parameter Evaluation: Tracing a Compensating Error between Cloud Vertical Structure and Cloud Overlap. **2013**, 26, 6698-6715	16
1661	Hail in Northeast Italy: A Neural Network Ensemble Forecast Using Sounding-Derived Indices. **2013**, 28, 3-28	25
1660	Cloud and Water Vapor Feedbacks to the El Niê Warming: Are They Still Biased in CMIP5 Models?. **2013**, 26, 4947-4961	73
1659	A Pseudoproxy Evaluation of Bayesian Hierarchical Modeling and Canonical Correlation Analysis for Climate Field Reconstructions over Europe*. **2013**, 26, 851-867	37
1658	Evaluation of Near-Surface Parameters in the Two Versions of the Atmospheric Model in CESM1 using Flux Station Observations. **2013**, 26, 26-44	36
1657	Atlantic Warm Pool Variability in the CMIP5 Simulations. **2013**, 26, 5315-5336	27
1656	A Diagnostic Evaluation of Precipitation in CORDEX Models over Southern Africa. **2013**, 26, 9477-9506	86
1655	Assessment of the Performance of CORDEX Regional Climate Models in Simulating East African Rainfall. **2013**, 26, 8453-8475	145
1654	GCMs-based spatiotemporal evolution of climate extremes during the 21st century in China. **2013**, 118, 11,017-11,035	51
1653	Nitrogen transfers off Walvis Bay: a 3-D coupled physical/biogeochemical modeling approach in the Namibian upwelling system. **2013**, 10, 4117-4135	26
1652	Surface Air Temperature Simulations over China with CMIP5 and CMIP3. **2013**, 4, 145-152	37
1651	Controls on and impacts of the diurnal cycle of deep convective precipitation. **2013**, 5, 801-815	21
1650	Atmospheric component of the MPI-M Earth System Model: ECHAM6. **2013**, 5, 146-172	835
1649	Evaluation of satellite and reanalysis products of downward surface solar radiation over East Asia: Spatial and seasonal variations. **2013**, 118, 3431-3446	69
1648	Time-scale and extent at which large-scale circulation modes determine the wind and solar potential in the Iberian Peninsula. **2013**, 8, 044035	45
1647	Evaluation of vegetation cover and land-surface albedo in MPI-ESM CMIP5 simulations. **2013**, 5, 48-57	110
1646	Global ocean biogeochemistry model HAMOCC: Model architecture and performance as component of the MPI-Earth system model in different CMIP5 experimental realizations. **2013**, 5, 287-315	245

1645	Intercomparison of microwave remote-sensing soil moisture data sets based on distributed eco-hydrological model simulation and in situ measurements over the North China Plain. **2013**, 34, 6587-6610	13
1644	Scheme for calculation of multi-layer cloudiness and precipitation for climate models of intermediate complexity. **2013**, 6, 1745-1765	9
1643	The GREENROOF module (v7.3) for modelling green roof hydrological and energetic performances within TEB. **2013**, 6, 1941-1960	26
1642	How should sparse marine in situ measurements be compared to a continuous model: an example. **2013**, 6, 533-548	16
1641	Four-dimensional evaluation of regional air quality models. **2013**,	
1640	A 4-D climatology (1979â2009) of the monthly tropospheric aerosol optical depth distribution over the Mediterranean region from a comparative evaluation and blending of remote sensing and model products. **2013**, 6, 1287-1314	109
1639	The impact of global warming on seasonality of ocean primary production. **2013**, 10, 4357-4369	51
1638	Projections of global changes in precipitation extremes from Coupled Model Intercomparison Project Phase 5 models. **2013**, 40, 4887-4892	91
1637	Simulations of the Eastern North Pacific Intraseasonal Variability in CMIP5 GCMs. **2013**, 26, 3489-3510	16
1636	SMOS L2 retrieval results over the American continent and comparisons with independent data sources. **2013**,	
1635	AMIP Simulation with the CAM4 Spectral Element Dynamical Core. **2013**, 26, 689-709	54
1634	Evaluation of CMIP3 and CMIP5 Wind Stress Climatology Using Satellite Measurements and Atmospheric Reanalysis Products. **2013**, 26, 5810-5826	55
1633	Performance of downscaled regional climate simulations using a variable-resolution regional climate model: Tasmania as a test case. **2013**, 118, 11,936-11,950	32
1632	Reconciling soil thermal and hydrological lower boundary conditions in land surface models. **2013**, 118, 7819-7834	69
1631	Constraints on aerosol sources using GEOS-Chem adjoint and MODIS radiances, and evaluation with multisensor (OMI, MISR) data. **2013**, 118, 6396-6413	78
1630	Attribution of observed historical near-surface temperature variations to anthropogenic and natural causes using CMIP5 simulations. **2013**, 118, 4001-4024	165
1629	Simulation of optimal arctic routes using a numerical sea ice model based on an ice-coupled ocean circulation method. **2013**, 5, 210-226	21
1628	Selection of Performance Metrics for Global Soil Moisture Products. **2013**, 427-444	4

1627	Comparison of terrestrial evapotranspiration estimates using the mass transfer and Penman-Monteith equations in land surface models. **2013**, 118, 1715-1731	30
1626	Technical Note: Comparison of ensemble Kalman filter and variational approaches for CO₂ data assimilation. **2013**, 13, 11643-11660	12
1625	<i>E pluribus unum</i>*: ensemble air quality predictions. **2013**, 13, 7153-7182	30
1624	A comprehensive emission inventory of biogenic volatile organic compounds in Europe: improved seasonality and land-cover. **2013**, 13, 1689-1712	65
1623	A data assimilative perspective of oceanic mesoscale eddy evolution during VOCALS-REx. **2013**, 13, 3329-3344	4
1622	WRF-Chem simulations in the Amazon region during wet and dry season transitions: evaluation of methane models and wetland inundation maps. **2013**, 13, 7961-7982	22
1621	Evaluating and understanding top of the atmosphere cloud radiative effects in Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) Coupled Model Intercomparison Project Phase 5 (CMIP5) models using satellite observations. **2013**, 118, 683-699	64
1620	Shadow-band correction for diffuse ultraviolet radiation measurements. **2013**, 118, 3807-3816	3
1619	SPARC Data Initiative: Comparison of water vapor climatologies from international satellite limb sounders. **2013**, 118, 11,824-11,846	67
1618	Summer nitrogenous nutrient transport and its fate in the Taiwan Strait: A coupled physical-biological modeling approach. **2013**, 118, 4184-4200	25
1617	Simulation of boreal summer intraseasonal oscillations in the latest CMIP5 coupled GCMs. **2013**, 118, 4401-4420	108
1616	Discharge of major global rivers in the late 21st century climate projected with the high horizontal resolution MRI-AGCMs. **2013**, 27, n/a-n/a	13
1615	Estimating Total Discharge in the Yangtze River Basin Using Satellite-Based Observations. **2013**, 5, 3415-3430	31
1614	Evaluating the impact of orbital sampling on satelliteâ□climate model comparisons. **2013**, 118, 355-369	19
1613	Uncertainty quantification and parameter tuning in the CAM5 Zhang-McFarlane convection scheme and impact of improved convection on the global circulation and climate. **2013**, 118, 395-415	89
1612	Oxygen and indicators of stress for marine life in multi-model global warming projections. **2013**, 10, 1849-1868	117
1611	Evaluating the capability of regional-scale air quality models to capture the vertical distribution of pollutants. **2013**, 6, 791-818	40
1610	Seaâ□ir CO₂ fluxes in the Southern Ocean for the period 1990â□2009. **2013**, 10, 4037-4054	131

1609	Modeling ocean circulation and biogeochemical variability in the Gulf of Mexico. **2013**, 10, 7219-7234	56
1608	Improving simulation of soil moisture in China using a multiple meteorological forcing ensemble approach. **2013**, 17, 3355-3369	51
1607	Regional climate models' performance in representing precipitation and temperature over selected Mediterranean areas. **2013**, 17, 5041-5059	44
1606	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. **2013**, 9, 2085-2099	49
1605	A comprehensive benchmarking system for evaluating global vegetation models. **2013**, 10, 3313-3340	101
1604	NW European shelf under climate warming: implications for open ocean â shelf exchange, primary production, and carbon absorption. **2013**, 10, 3767-3792	51
1603	Assessing gridded observations for daily precipitation extremes in the Alps with a focus on northwest Italy. **2013**, 13, 1457-1468	31
1602	Net seaâair CO₂ flux uncertainties in the Bay of Biscay based on the choice of wind speed products and gas transfer parameterizations. **2013**, 10, 2993-3005	3
1601	A total quasi-steady-state formulation of substrate uptake kinetics in complex networks and an example application to microbial litter decomposition. **2013**, 10, 8329-8351	65
1600	GCM Driven COSMO-CLM Post-Processed Precipitation Over Italy: Control and Future Scenarios. **2013**,	1
1599	Post-Processing Methods for COSMO-CLM Precipitation Over Italy. **2013**,	4
1598	System Identification and Modal Extraction from Response Data. **2013**,	7
1597	The Jena Diversity-Dynamic Global Vegetation Model (JeDi-DGVM): a diverse approach to representing terrestrial biogeography and biogeochemistry based on plant functional trade-offs. **2013**, 10, 4137-4177	139
1596	On the importance of observational data properties when assessing regional climate model performance of extreme precipitation. **2013**, 17, 4323-4337	30
1595	Evaluating the agreement between measurements and models of net ecosystem exchange at different times and timescales using wavelet coherence: an example using data from the North American Carbon Program Site-Level Interim Synthesis. **2013**, 10, 6893-6909	25
1594	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. **2013**, 10, 8305-8328	10
1593	Coupled physical/biogeochemical modeling including O₂-dependent processes in the Eastern Boundary Upwelling Systems: application in the Benguela. **2013**, 10, 3559-3591	41
1592	Last Glacial Maximum world ocean simulations at eddy-permitting and coarse resolutions: do eddies contribute to a better consistency between models and palaeoproxies?. **2013**, 9, 2669-2686	5

1591	Decline in Kelp in West Europe and Climate. **2013**, 8, e66044	106
1590	Climatic facilitation of the colonization of an estuary by Acartia tonsa. **2013**, 8, e74531	27
1589	Multicycle ensemble forecasting of sea surface temperature. **2013**, 40, 6191-6195	11
1588	Alternative ways to evaluate a seasonal dynamical downscaling system. **2013**, 118, 13,443-13,448	3
1587	Consistency of the multi-model CMIP5/PMIP3-past1000 ensemble. **2013**, 9, 2471-2487	49
1586	Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. **2013**, 10, 6225-6245	882
1585	Causes of variation in soil carbon simulations from CMIP5 Earth system models and comparison with observations. **2013**, 10, 1717-1736	474
1584	Spatiotemporal variability and long-term trends of ocean acidification in the California Current System. **2013**, 10, 193-216	116
1583	Skill and reliability of climate model ensembles at the Last Glacial Maximum and mid-Holocene. **2013**, 9, 811-823	58
1582	Towards a more objective evaluation of modelled land-carbon trends using atmospheric CO₂ and satellite-based vegetation activity observations. **2013**, 10, 4189-4210	24
1581	Hydro-morphodynamic modelling in Mediterranean storms â errors and uncertainties under sharp gradients. **2014**, 14, 2993-3004	17
1580	Preliminary Results of the JRA-55C, an Atmospheric Reanalysis Assimilating Conventional Observations Only. **2014**, 10, 78-82	44
1579	Global cropland monthly gross primary production in the year 2000. **2014**, 11, 3871-3880	20
1578	Assessing optimal set of implemented physical parameterization schemes in a multi-physics land surface model using genetic algorithm. **2014**, 7, 2517-2529	20
1577	Poleward ocean heat transports, sea ice processes, and Arctic sea ice variability in NorESM1-M simulations. **2014**, 119, 2095-2108	32
1576	Radium isotopes as a tracer of sediment-water column exchange in the North Sea. **2014**, 28, 786-804	17
1575	Assessment of the representation of Antarctic Bottom Water properties in the ECCO2 reanalysis. **2014**, 10, 923-946	17
1574	Modeling stomatal conductance in the earth system: linking leaf water-use efficiency and water transport along the soilâplantâatmosphere continuum. **2014**, 7, 2193-2222	216

1573	Towards the Development of the National Ocean Service San Francisco Bay Operational Forecast System. **2014**, 2, 247-286	6
1572	Evaluating Parameter Adjustment in the MODIS Gross Primary Production Algorithm Based on Eddy Covariance Tower Measurements. **2014**, 6, 3321-3348	18
1571	Diurnal Dynamics of Wheat Evapotranspiration Derived from Ground-Based Thermal Imagery. **2014**, 6, 9775-9801	7
1570	Springtime zooplankton size structure over the continental shelf of the Bay of Biscay. **2014**, 10, 821-835	25
1569	A skill assessment of the biogeochemical model REcoM2 coupled to the Finite Element Sea Iceâ□Ocean Model (FESOM 1.3). **2014**, 7, 2769-2802	18
1568	Verification of a new NOAA/NSIDC passive microwave sea-ice concentration climate record. **2014**, 33, 21004	27
1567	Long-term precipitation forecast for drought relief using atmospheric circulation factors: a study on the Maharloo Basin in Iran. **2014**, 18, 1995-2006	36
1566	iMarNet: an ocean biogeochemistry model intercomparison project within a common physical ocean modelling framework. **2014**, 11, 7291-7304	54
1565	Spatiotemporal variability and drivers of <i>p</i>CO₂ and airâ□sea CO₂ fluxes in the California Current System: an eddy-resolving modeling study. **2014**, 11, 671-690	36
1564	Investigating uncertainties in global gridded datasets of climate extremes. **2014**, 10, 2171-2199	27
1563	Assessment of the structure and variability of Weddell Sea water masses in distinct ocean reanalysis products. **2014**, 10, 523-546	12
1562	Correction of artificial jumps in the historical geomagnetic measurements of Coimbra Observatory, Portugal. **2014**, 32, 19-40	4
1561	Modeling dissolved organic carbon in temperate forest soils: TRIPLEX-DOC model development and validation. **2014**, 7, 867-881	25
1560	Understanding the performance of the FLake model over two African Great Lakes. **2014**, 7, 317-337	64
1559	An evaluation of ambient ammonia concentrations over southern Ontario simulated with different dry deposition schemes within STILT-Chem v0.8. **2014**, 7, 1037-1050	8
1558	Quantifying the impact of ocean acidification on our future climate. **2014**, 11, 3965-3983	17
1557	A novel ensemble method for retrieving properties of warm cloud in 3-D using ground-based scanning radar and zenith radiances. **2014**, 119, 10,912-10,930	21
1556	Radiation budget biases in AMIP5 models over the East Asian monsoon region. **2014**, 119, 13,400	15

1555	Using palaeo-climate comparisons to constrain future projections in CMIP5. **2014**, 10, 221-250	160
1554	A sensitivity study of high-resolution regional climate simulations to three land surface models over the western United States. **2014**, 119, 7271-7291	43
1553	Assessment of CMIP5 climate models and projected temperature changes over Northern Eurasia. **2014**, 9, 055007	123
1552	Projection and uncertainty analysis of global precipitation-related extremes using CMIP5 models. **2014**, 34, 2730-2748	61
1551	Reducing Drift and Bias of a Global Ocean Model by Frequency-Dependent Nudging. **2014**, 52, 242-255	2
1550	Would the â€realâ€observed dataset stand up? A critical examination of eight observed gridded climate datasets for China. **2014**, 9, 015001	51
1549	Water resources and climate change impact modelling on a daily time scale in the Peruvian Andes. **2014**, 59, 2043-2059	15
1548	Structure and position of the bottom salinity front in the Amazon Estuary. **2014**, 64, 1583-1599	8
1547	Assessment of NASA GISS CMIP5 and Post-CMIP5 Simulated Clouds and TOA Radiation Budgets Using Satellite Observations. Part I: Cloud Fraction and Properties. **2014**, 27, 4189-4208	37
1546	Influence of Model Biases on Projected Future Changes in Tropical Cyclone Frequency of Occurrence*. **2014**, 27, 2159-2181	42
1545	The Climatology and Interannual Variability of the East Asian Winter Monsoon in CMIP5 Models. **2014**, 27, 1659-1678	77
1544	Dynamical Seasonal Climate Prediction Using an Oceanâ€Atmosphere Coupled Climate Model Developed in Partnership between South Africa and the IRI. **2014**, 27, 1719-1741	20
1543	LakeMIP Kivu: evaluating the representation of a large, deep tropical lake by a set of one-dimensional lake models. **2014**, 66, 21390	72
1542	Indicators to support the dynamic evaluation of air quality models. **2014**, 98, 402-409	18
1541	Performance assessment of nitrate leaching models for highly vulnerable soils used in low-input farming based on lysimeter data. **2014**, 499, 463-80	29
1540	Joint Occurrence of Daily Temperature and Precipitation Extreme Events over Canada. **2014**, 53, 2148-2162	24
1539	Application Potential of Four Nontraditional Similarity Metrics in Hydrometeorology. **2014**, 15, 1862-1880	11
1538	Interannual Variability and Long-Term Changes of Atmospheric Circulation over the Chukchi and Beaufort Seas. **2014**, 27, 4871-4889	17

1537	Atmospheric Tides in the Latest Generation of Climate Models*. **2014**, 71, 1905-1913	11
1536	Information Content and Uncertainties in Thermodynamic Profiles and Liquid Cloud Properties Retrieved from the Ground-Based Atmospheric Emitted Radiance Interferometer (AERI). **2014**, 53, 752-771	91
1535	Evaluation of Modeling Water-Vapor-Weighted Mean Tropospheric Temperature for GNSS-Integrated Water Vapor Estimates in Brazil. **2014**, 53, 715-730	17
1534	On the Correspondence between Mean Forecast Errors and Climate Errors in CMIP5 Models. **2014**, 27, 1781-1798	91
1533	The Climatology and Interannual Variability of East Asian Summer Monsoon in CMIP5 Coupled Models: Does Airâ Sea Coupling Improve the Simulations?. **2014**, 27, 8761-8777	126
1532	Quantitative evaluation of ozone and selected climate parameters in a set of EMAC simulations. **2014**,	
1531	Description and basic evaluation of Beijing Normal University Earth System Model (BNU-ESM) version 1. **2014**, 7, 2039-2064	180
1530	Recent development of the Met Office operational ocean forecasting system: an overview and assessment of the new Global FOAM forecasts. **2014**, 7, 2613-2638	102
1529	Evaluating Skill of Seasonal Precipitation and Temperature Predictions of NCEP CFSv2 Forecasts over 17 Hydroclimatic Regions in China. **2014**, 15, 1546-1559	23
1528	Tuning and assessment of the HYCOM-NORWECOM V2.1 modeling system. **2014**,	1
1527	Remote sensing of cloud top pressure/height from SEVIRI: analysis of ten current retrieval algorithms. **2014**, 7, 2839-2867	44
1526	Climatology and Variability of Precipitation in the Twentieth-Century Reanalysis. **2014**, 27, 5964-5981	25
1525	Evaluation of Aquarius level 2 soil moisture products over central Tibetan Plateau and continental U.S.. **2014**,	
1524	Bayesian spatiotemporal modelling for the assessment of short-term exposure to particle pollution in urban areas. **2014**, 24, 319-27	15
1523	Air temperature distribution over Mongolia using dynamical downscaling and statistical correction. **2014**, 34, 2464-2476	10
1522	On the use of modified Taylor diagrams to compare ionospheric assimilation models. **2014**, 49, 737-745	14
1521	Evaluation of CMIP5 coupled atmosphereâ Ocean general circulation models and projection of the Southeast Asian winter monsoon in the 21st century. **2014**, 34, 2872-2884	31
1520	A review of validation methodologies and statistical performance indicators for modeled solar radiation data: Towards a better bankability of solar projects. **2014**, 39, 1024-1034	159

1519	Ensemble simulations with perturbed physical parametrizations: Pre-HyMeX case studies. **2014**, 140, 1900-1916	20
1518	Short-term wind forecast for the safety management of complex areas during hazardous wind events. **2014**, 135, 170-181	11
1517	Comparison of root water uptake functions to simulate surface energy fluxes within a deep-rooted desert shrub ecosystem. **2014**, 28, 5436-5449	16
1516	Soil as a natural rain gauge: Estimating global rainfall from satellite soil moisture data. **2014**, 119, 5128-5141	220
1515	Evaluation of CMIP5 earth system models in reproducing leaf area index and vegetation cover over the Tibetan Plateau. **2014**, 28, 1041-1060	15
1514	A Unified Convection Scheme (UNICON). Part II: Simulation. **2014**, 71, 3931-3973	45
1513	Multi-model ensemble simulation and projection in the climate change in the Mekong River Basin. Part I: temperature. **2014**, 186, 7513-23	14
1512	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. **2014**, 6, 141-184	482
1511	The effect of horizontal resolution on simulation quality in the Community Atmospheric Model, CAM5.1. **2014**, 6, 980-997	178
1510	Improved dust representation in the Community Atmosphere Model. **2014**, 6, 541-570	181
1509	A sensitivity analysis of cloud properties to CLUBB parameters in the single-column Community Atmosphere Model (SCAM5). **2014**, 6, 829-858	37
1508	A spectral transform dynamical core option within the Community Atmosphere Model (CAM4). **2014**, 6, 902-922	9
1507	Contribution of vegetation and peat fires to particulate air pollution in Southeast Asia. **2014**, 9, 094006	80
1506	Hindcast regional climate simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. **2014**,	3
1505	Sensitivity of Modeled Precipitation to Sea Surface Temperature in Regions with Complex Topography and Coastlines: A Case Study for the Mediterranean. **2014**, 15, 2370-2396	21
1504	Sensitivity of ocean acidification and oxygen to the uncertainty in climate change. **2014**, 9, 064005	12
1503	Evaluation of TRMM Multisatellite Precipitation Analysis (TMPA) Products and Their Potential Hydrological Application at an Arid and Semiarid Basin in China. **2014**, 7, 3915-3930	31
1502	Combining SMOS with visible and near/shortwave/thermal infrared satellite data for high resolution soil moisture estimates. **2014**, 516, 273-283	95

1501	Temporal and spatial variations in radiation and energy balance across a large freshwater lake in China. **2014**, 511, 811-824	60
1500	Simple models to compute solar global irradiance from the CMSAF product Cloud Fractional Coverage. **2014**, 66, 118-131	17
1499	Geographical statistical assessments of carbon fluxes in terrestrial ecosystems of China: Results from upscaling network observations. **2014**, 118, 52-61	25
1498	Consequences of a future climatic scenario for the anchovy fishery in the Alboran Sea (SW Mediterranean): A modeling study. **2014**, 135, 150-159	15
1497	Evaluating, interpreting, and communicating performance of hydrologic/water quality models considering intended use: A review and recommendations. **2014**, 57, 40-51	79
1496	Analysis of the West African Monsoon system in the regional climate model COSMO-CLM. **2014**, 34, 481-493	14
1495	Predicting current and future global distributions of whale sharks. **2014**, 20, 778-89	33
1494	Representation of tropical subseasonal variability of precipitation in global reanalyses. **2014**, 43, 517-534	21
1493	Evaluation of mean and intraseasonal variability of Indian summer monsoon simulation in ECHAM5: identification of possible source of bias. **2014**, 43, 389-406	20
1492	How well are daily intense rainfall events captured by current climate models over Africa?. **2014**, 42, 2691-2711	52
1491	Evaluation of the CORDEX-Africa multi-RCM hindcast: systematic model errors. **2014**, 42, 1189-1202	129
1490	Improvements in WRF simulation skills of southeastern United States summer rainfall: physical parameterization and horizontal resolution. **2014**, 43, 2077-2091	27
1489	Greenland ice sheet contribution to future global sea level rise based on CMIP5 models. **2014**, 31, 8-16	18
1488	Seasonal to yearly assessment of temperature and precipitation trends in the North Western Mediterranean Basin by dynamical downscaling of climate scenarios at high resolution (1971â2050). **2014**, 122, 243-256	21
1487	Bias corrections of global models for regional climate simulations of high-impact weather. **2014**, 43, 1847-1856	121
1486	On the use of nudging techniques for regional climate modeling: application for tropical convection. **2014**, 43, 1693-1714	20
1485	Simulated aerosol key optical properties over global scale using an aerosol transport model coupled with a new type of dynamic core. **2014**, 82, 71-82	31
1484	Modelling a light-driven phytoplankton succession. **2014**, 36, 214-229	32

1483	Glacial mass balance changes in the Karakoram and Himalaya based on CMIP5 multi-model climate projections. **2014**, 123, 315-328	44
1482	Development of sampling downscaling: a case for wintertime precipitation in Hokkaido. **2014**, 43, 375-387	7
1481	Performance of ALADIN-Climate/CZ over the area of the Czech Republic in comparison with ENSEMBLES regional climate models. **2014**, 58, 148-169	3
1480	A model study of the Copper River plume and its effects on the northern Gulf of Alaska. **2014**, 64, 241-258	8
1479	Seasonal dynamics and stoichiometry of the planktonic community in the NW Mediterranean Sea: a 3D modeling approach. **2014**, 64, 179-207	23
1478	On the misinterpretation of the North Atlantic Oscillation in CMIP5 models. **2014**, 43, 1497-1511	68
1477	Uncertainties in the regional climate models simulations of South-Asian summer monsoon and climate change. **2014**, 42, 2079-2097	45
1476	Assessment of air temperatures from different meteorological reanalyses for the East Antarctic region between Zhonshan and Dome A. **2014**, 57, 1538-1550	5
1475	High-resolution sea wind hindcasts over the Mediterranean area. **2014**, 42, 1857-1872	68
1474	Assessment of the aerosol distribution over Indian subcontinent in CMIP5 models. **2014**, 87, 123-137	34
1473	A Southern Hemisphere booster of super El Niê. **2014**, 41, 2142-2149	42
1472	Global reductions in seafloor biomass in response to climate change. **2014**, 20, 1861-72	111
1471	Precipitation pattern of the mid-Holocene simulated by a high-resolution regional climate model. **2014**, 31, 962-971	2
1470	Biomass changes and trophic amplification of plankton in a warmer ocean. **2014**, 20, 2124-39	123
1469	Interannual control of plankton communities by deep winter mixing and prey/predator interactions in the NW Mediterranean: Results from a 30-year 3D modeling study. **2014**, 124, 12-27	39
1468	Regional and seasonal intercomparison of CMIP3 and CMIP5 climate model ensembles for temperature and precipitation. **2014**, 43, 2491-2518	62
1467	Evaluation and comparison of satellite precipitation estimates with reference to a local area in the Mediterranean Sea. **2014**, 138, 189-204	96
1466	Comparison of different wind products and buoy wind data with seasonality and interannual climate variability in the southern Bay of Biscay (2000â2009). **2014**, 106, 38-48	44

1465	Intercomparison of wind and wave data from the ECMWF Reanalysis Interim and the NCEP Climate Forecast System Reanalysis. **2014**, 75, 65-83	215
1464	Characterisation of the Bahã Blanca estuary by data analysis and numerical modelling. **2014**, 129, 415-424	4
1463	Exploratory High-Resolution Climate Simulations using the Community Atmosphere Model (CAM). **2014**, 27, 3073-3099	151
1462	Vulnerability of coastal ecosystems to changes in harmful algal bloom distribution in response to climate change: projections based on model analysis. **2014**, 20, 3845-58	124
1461	Comparison of NCEP/NCAR and ERA-40 total cloud cover with surface observations over the Tibetan Plateau. **2014**, 34, 2529-2537	26
1460	Verification within wave resource assessments. Part 1: Statistical analysis. **2014**, 8, 50-69	6
1459	Future change of extreme temperature climate indices over East Asia with uncertainties estimation in the CMIP5. **2014**, 50, 609-624	16
1458	Assessment of the CMIP5 global climate model simulations of the western tropical Pacific climate system and comparison to CMIP3. **2014**, 34, 3382-3399	64
1457	Air-sea CO2 fluxes in the California Current: Impacts of model resolution and coastal topography. **2014**, 28, 371-385	31
1456	Simulation and projection of the western pacific subtropical high in CMIP5 models. **2014**, 28, 327-340	32
1455	Assessment of Surface Pressure between Zhongshan and Dome a in East Antarctica from Different Meteorological Reanalyses. **2014**, 46, 669-681	4
1454	Forcing mechanisms of intraseasonal SST variability off central Peru in 2000â2008. **2014**, 119, 3548-3573	20
1453	On the physical and biogeochemical processes driving the high frequency variability of CO2 fugacity at 6°S, 10°W: Potential role of the internal waves. **2014**, 119, 8357-8374	3
1452	High-resolution modeling of the Eastern Tropical Pacific oxygen minimum zone: Sensitivity to the tropical oceanic circulation. **2014**, 119, 5515-5532	50
1451	Parameter Tuning and Calibration of RegCM3 with MITâEmanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. **2014**, 27, 7687-7701	49
1450	Assessment of SMOS soil moisture retrieval parameters using tauâomega algorithms for soil moisture deficit estimation. **2014**, 519, 574-587	42
1449	Time variable hydraulic parameters improve the performance of a mechanistic stand transpiration model. A case study of Mediterranean Scots pine sap flow data assimilation. **2014**, 198-199, 168-180	9
1448	On the perception of morphodynamic model skill. **2014**, 94, 112-125	19

1447	Rigorous Evaluation of a Fraternal Twin Ocean OSSE System for the Open Gulf of Mexico. **2014**, 31, 105-130	76
1446	Evaluation of a model framework to estimate soil and soil organic carbon redistribution by water and tillage using 137Cs in two U.S. Midwest agricultural fields. **2014**, 232-234, 437-448	18
1445	Quantification of spurious dissipation and mixing â Discrete variance decay in a Finite-Volume framework. **2014**, 81, 49-64	50
1444	Specification of > 2 MeV electron flux as a function of local time and geomagnetic activity at geosynchronous orbit. **2014**, 12, 470-486	4
1443	High-resolution prediction of a major convective period over West Africa. **2014**, 140, 1409-1425	18
1442	A long-term nearshore wave hindcast for Ireland: Atlantic and Irish Sea coasts (1979â2012). **2014**, 64, 1163-1180	36
1441	Assessing wave climate trends in the Bay of Biscay through an intercomparison of wave hindcasts and reanalyses. **2014**, 64, 1247-1267	5
1440	CMIP5/AMIP GCM simulations of East Asian summer monsoon. **2014**, 31, 836-850	22
1439	Evaluation of CMIP5 dynamic sea surface height multi-model simulations against satellite observations. **2014**, 43, 1271-1283	41
1438	ENSO modes of the equatorial Pacific Ocean in observations and CMIP5 models. **2014**, 43, 1285-1301	2
1437	Influence of two types of El Niês on the East Asian climate during boreal summer: a numerical study. **2014**, 43, 469-481	41
1436	Interpreting observed northern hemisphere snow trends with large ensembles of climate simulations. **2014**, 43, 345-359	35
1435	Time of emergence of climate signals over China under the RCP4.5 scenario. **2014**, 125, 265-276	25
1434	A Comparison of Atmospheric Reanalysis Products for the Arctic Ocean and Implications for Uncertainties in Airâsea Fluxes. **2014**, 27, 5411-5421	35
1433	Evaluation of WRF Parameterizations for Dynamical Downscaling in the Canary Islands. **2014**, 27, 5611-5631	21
1432	Assessment of GCM performances for the Arabian Peninsula, Brazil, and Ukraine and indications of regional climate change. **2014**, 72, 4689-4703	15
1431	Streamflow response to regional climate model output in the mountainous watershed: a case study from the Swiss Alps. **2014**, 72, 4357-4369	17
1430	Estimation of land surface temperature from atmospherically corrected LANDSAT TM image using 6S and NCEP global reanalysis product. **2014**, 72, 5183-5196	15

1429	Sensitivity and uncertainty analysis of mesoscale model downscaled hydro-meteorological variables for discharge prediction. **2014**, 28, 4419-4432	66
1428	An Inter-Comparison of Daily and Monthly In Situ, Satellite Derived and Reanalyzed Sea Surface Temperature Climatology Fields Over the Bay of Bengal. **2014**, 37, 65-76	2
1427	Model study on present and future eutrophication and nitrogen fixation in the Gulf of Finland, Baltic Sea. **2014**, 129, 76-85	12
1426	The impacts of climate change and environmental management policies on the trophic regimes in the Mediterranean Sea: Scenario analyses. **2014**, 135, 137-149	35
1425	Impact of the river nutrient load variability on the North Aegean ecosystem functioning over the last decades. **2014**, 86, 97-109	37
1424	Importance of initial state and atmospheric conditions for urban land surface modelsâ performance. **2014**, 10, 387-406	15
1423	Disaggregation of soil testing data on organic matter by the summary statistics approach to area-to-point kriging. **2014**, 226-227, 151-159	9
1422	Dealing with uncertainty in ecosystem model scenarios: Application of the single-model ensemble approach. **2014**, 61, 360-370	26
1421	Diagnosis of high-resolution upper ocean dynamics from noisy sea surface temperatures. **2014**, 119, 121-132	12
1420	The Sensitivity of WRF Daily Summertime Simulations over West Africa to Alternative Parameterizations. Part I: African Wave Circulation. **2014**, 142, 1588-1608	20
1419	Skill of precipitation prediction with GCMs over north India during winter season. **2014**, 34, 3440-3455	34
1418	An ensemble approach to simulate CO₂ emissions from natural fires. **2014**, 11, 3205-3223	19
1417	Large-scale estimation and uncertainty analysis of gross primary production in Tibetan alpine grasslands. **2014**, 119, 466-486	33
1416	A comprehensive evaluation of precipitation simulations over China based on CMIP5 multimodel ensemble projections. **2014**, 119, 5767-5786	129
1415	Estimating the global oceanic net freshwater flux from Argo and comparing it with satellite-based freshwater flux products. **2014**, 119, 7869-7881	9
1414	A simple way to improve the diurnal cycle in convective rainfall over land in climate models. **2014**, 119, 2113-2130	19
1413	The role of moist processes in the intrinsic predictability of Indian Ocean cyclones. **2014**, 119, 8032-8048	15
1412	Evaluation of the ORCHIDEE ecosystem model over Africa against 25 years of satellite-based water and carbon measurements. **2014**, 119, 1554-1575	27

1411	Data assimilative modeling investigation of Gulf Stream Warm Core Ring interaction with continental shelf and slope circulation. **2014**, 119, 5968-5991	32
1410	Model-data comparison of MCI field campaign atmospheric CO2 mole fractions. **2014**, 119, 10536-10551	21
1409	Accuracy and precision in the calculation of phenology metrics. **2014**, 119, 8438-8453	27
1408	Implications of refined altimetry on estimates of mesoscale activity and eddy-driven offshore transport in the Eastern Boundary Upwelling Systems. **2014**, 41, 7602-7610	39
1407	Assessing the fidelity of AOGCM-simulated relationships between large-scale modes of climate variability and wind speeds. **2014**, 119, 9719-9734	12
1406	Toward a better integration of biological data from precipitation manipulation experiments into Earth system models. **2014**, 52, 412-434	32
1405	Variability of weather regimes in the North Atlantic-European area: past and future. **2014**, 15, n/a-n/a	7
1404	The Arctic summer atmosphere: an evaluation of reanalyses using ASCOS data. **2014**, 14, 2605-2624	61
1403	Top-down estimates of biomass burning emissions of black carbon in the Western United States. **2014**, 14, 7195-7211	14
1402	Model-simulated trend of surface carbon monoxide for the 2001â2010 decade. **2014**, 14, 10465-10482	41
1401	Comparison of the HadGEM2 climate-chemistry model against in situ and SCIAMACHY atmospheric methane data. **2014**, 14, 13257-13280	26
1400	Multi-decadal aerosol variations from 1980 to 2009: a perspective from observations and a global model. **2014**, 14, 3657-3690	201
1399	Changes in atmospheric aerosol loading retrieved from space-based measurements during the past decade. **2014**, 14, 6881-6902	58
1398	A global 3-D CTM evaluation of black carbon in the Tibetan Plateau. **2014**, 14, 7091-7112	39
1397	Evaluation of IASI-derived dust aerosol characteristics over the tropical belt. **2014**, 14, 9343-9362	26
1396	Tropical cyclones in reanalysis data sets. **2014**, 41, 2133-2141	88
1395	Application of a data-assimilative regional ocean modeling system for assessing California Current System ocean conditions, krill, and juvenile rockfish interannual variability. **2014**, 41, 5942-5950	30
1394	An analysis of aeolian dust in climate models. **2014**, 41, 5996-6001	121

1393	Methods for uncertainty assessment of climate models and model predictions over East Asia. **2014**, 34, 377-390	31
1392	Performance assessment of the Community Climate System Model over the Bering Sea. **2014**, 34, 3953-3966	2
1391	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. **2014**, 119, 4521-4545	93
1390	On the use of modified Taylor diagrams to compare ionospheric assimilation models. **2014**,	1
1389	Development of an ANNâBased air pollution forecasting system with explicit knowledge through sensitivity analysis. **2014**, 5, 696-708	74
1388	Low-frequency variability of terrestrial water budget in China using GRACE satellite measurements from 2003 to 2010. **2015**, 6, 444-452	6
1387	The effect of model complexity in simulating unsaturated zone flow processes on recharge estimation at varying time scales. **2015**, 529, 1173-1184	11
1386	Effects of in-situ and reanalysis climate data on estimation of cropland gross primary production using the Vegetation Photosynthesis Model. **2015**, 213, 240-250	24
1385	Assessment of indices of temperature extremes simulated by multiple CMIP5 models over China. **2015**, 32, 1077-1091	37
1384	Explicit Planktic Calcifiers in the University of Victoria Earth System Climate Model, Version 2.9. **2015**, 53, 332-350	13
1383	Future change in ocean productivity: Is the Arctic the new Atlantic?. **2015**, 120, 7771-7790	47
1382	Spatiotemporal patterns of terrestrial gross primary production: A review. **2015**, 53, 785-818	297
1381	An assessment of phytoplankton primary productivity in the Arctic Ocean from satellite ocean color/in situ chlorophyll- based models. **2015**, 120, 6508-6541	65
1380	Evaluation of the summer precipitation over China simulated by BCC_CSM model with different horizontal resolutions during the recent half century. **2015**, 120, 4657-4670	19
1379	An evaluation of CORDEX regional climate models in simulating precipitation over Southern Africa. **2015**, 16, 199-207	20
1378	Can we use surface wind fields from meteorological reanalyses for Sahelian dust emission simulations?. **2015**, 42, 2490-2499	47
1377	Improved snow interception modeling using canopy parameters derived from airborne LiDAR data. **2015**, 51, 5041-5059	40
1376	Can we map the interannual variability of the whole upper Southern Ocean with the current database of hydrographic observations?. **2015**, 120, 7960-7978	3

1375	Evaluating biases in simulated snow albedo feedback in two generations of climate models. **2015**, 120, 12-26	33
1374	Multimodel ensemble projection of precipitation in eastern China under A1B emission scenario. **2015**, 120, 9965-9980	27
1373	Dynamical downscaling simulation and future projection of precipitation over China. **2015**, 120, 8227-8243	63
1372	Modeling long-term change of planktonic ecosystems in the northern South China Sea and the upstream Kuroshio Current. **2015**, 120, 3913-3936	24
1371	Remote versus local influence of ENSO on the California Current System. **2015**, 120, 1353-1374	46
1370	Sea-surface temperature and salinity product comparison against external in situ data in the Arctic Ocean. **2015**, 120, 7223-7236	20
1369	A method for multiscale optimal analysis with application to Argo data. **2015**, 120, 4340-4356	3
1368	Quantifying the skill of CMIP5 models in simulating seasonal albedo and snow cover evolution. **2015**, 120, 5831-5849	38
1367	Generalization and evaluation of the process-based forest ecosystem model PnET-CN for other biomes. **2015**, 6, art43	12
1366	How well do regional climate models simulate the spatial dependence of precipitation? An application of pair-copula constructions. **2015**, 120, 2624-2646	13
1365	Investigating decadal changes in sea surface salinity in oceanic subtropical gyres. **2015**, 42, 7631-7638	8
1364	Projection of Indian summer monsoon climate in 2041â2060 by multiregional and global climate models. **2015**, 120, 1776-1793	21
1363	Thermodynamic controls of the Atlantic Niê. **2015**, 6, 8895	62
1362	Moderate forest disturbance as a stringent test for gap and big-leaf models. **2015**, 12, 513-526	14
1361	Monitoring Groundwater Variations from Satellite Gravimetry and Hydrological Models: A Comparison with in-situ Measurements in the Mid-Atlantic Region of the United States. **2015**, 7, 686-703	52
1360	Multicriteria evaluation of discharge simulation in Dynamic Global Vegetation Models. **2015**, 120, 7488-7505	20
1359	Numerical simulations of snowfall events: Sensitivity analysis of physical parameterizations. **2015**, 120, 10,130	21
1358	Relationship between South China Sea precipitation variability and tropical Indo-Pacific SST anomalies in IPCC CMIP5 models during spring-to-summer transition. **2015**, 32, 1303-1318	7

1357	The Wind Forecast Improvement Project (WFIP): A Public–Private Partnership Addressing Wind Energy Forecast Needs. **2015**, 96, 1699-1718	64
1356	The sensitivity of nocturnal low-level jets and near-surface winds over the Sahel to model resolution, initial conditions and boundary-layer set-up. **2015**, 141, 1442-1456	20
1355	Increases in the annual range of soil water storage at northern middle and high latitudes under global warming. **2015**, 42, 3903-3910	24
1354	Assessment of GCM capabilities to simulate tropospheric stability on the Arabian Peninsula. **2015**, 35, 1682-1696	12
1353	Uncertainties in estimating spatial and interannual variations in precipitation climatology in the India–Tibet region from multiple gridded precipitation datasets. **2015**, 35, 4557-4573	22
1352	An improved hindcast approach for evaluation and diagnosis of physical processes in global climate models. **2015**, 7, 1810-1827	37
1351	An evaluation of atmospheric rivers over the North Pacific in CMIP5 and their response to warming under RCP 8.5. **2015**, 120, 11,173	81
1350	Complex coastal oceanographic fields can be described by universal multifractals. **2015**, 120, 6253-6265	4
1349	Chesapeake Bay nitrogen fluxes derived from a land-estuarine ocean biogeochemical modeling system: Model description, evaluation, and nitrogen budgets. **2015**, 120, 1666-1695	69
1348	Changes of seasonal storm properties in California and Nevada from an ensemble of climate projections. **2015**, 120, 2676-2688	21
1347	A strategy for representing the effects of convective momentum transport in multiscale models: Evaluation using a new superparameterized version of the Weather Research and Forecast model (SP-WRF). **2015**, 7, 938-962	17
1346	Dust aerosol radiative effects during summer 2012 simulated with a coupled regional aerosol–atmosphere–ocean model over the Mediterranean. **2015**, 15, 3303-3326	74
1345	Estimates of black carbon emissions in the western United States using the GEOS-Chem adjoint model. **2015**, 15, 7685-7702	10
1344	Dust–air pollution dynamics over the eastern Mediterranean. **2015**, 15, 9173-9189	42
1343	INVESTIGATION OF ACCURACY OF WAVE HINDCASTINGS IN TOKYO BAY, ISE BAY AND THE SETO INLAND SEA USING TAYLOR DIAGRAM. **2015**, 71, I_115-I_120	
1342	Future Changes in Winter Precipitation around Japan Projected by Ensemble Experiments Using NHRCM. **2015**, 93, 571-580	15
1341	WRF-Chem model predictions of the regional impacts of N₂O₅ heterogeneous processes on night-time chemistry over north-western Europe. **2015**, 15, 1385-1409	26
1340	The MACC-II 2007–2008 reanalysis: atmospheric dust evaluation and characterization over northern Africa and the Middle East. **2015**, 15, 3991-4024	64

1339	On the use of satellite-derived CH₄ : CO₂ columns in a joint inversion of CH₄ and CO₂ fluxes. **2015**, 15, 8615-8629	10
1338	Use of North American and European air quality networks to evaluate global chemistryâ□climate modeling of surface ozone. **2015**, 15, 10581-10596	35
1337	Modelling marine emissions and atmospheric distributions of halocarbons and dimethyl sulfide: the influence of prescribed water concentration vs. prescribed emissions. **2015**, 15, 11753-11772	22
1336	A comparative assessment of coastal mean dynamic topography in Norway by geodetic and ocean approaches. **2015**, 120, 7807-7826	18
1335	Evaluation of a Regional Climate Modeling Effort for the Western United States Using a Superensemble from Weather@home*. **2015**, 28, 7470-7488	21
1334	Reliability of CMIP5 GCM simulations in reproducing atmospheric circulation over Europe and the North Atlantic: a statistical downscaling perspective. **2015**, 35, 714-732	19
1333	Projections of aridity and its regional variability over China in the mid-21st century. **2015**, 35, 4387-4398	34
1332	Ground-Based Temperature and Humidity Profiling Using Spectral Infrared and Microwave Observations. Part II: Actual Retrieval Performance in Clear-Sky and Cloudy Conditions. **2015**, 54, 2305-2319	34
1331	Cloud responses in the AMIP simulations of CMIP5 models in the southeastern Pacific marine subsidence region. **2015**, 35, 2908-2921	7
1330	WRF multi-physics simulation of clouds in the African region. **2015**, 141, 2737-2749	14
1329	Projected changes in temperature and precipitation in ten river basins over China in 21st century. **2015**, 35, 1125-1141	82
1328	Seasonal intercomparison of observational rainfall datasets over India during the southwest monsoon season. **2015**, 35, 2326-2338	77
1327	Improvement of CGCM prediction for wet season precipitation over Maritime Continent using a bias correction method. **2015**, 35, 3721-3732	8
1326	Statistical downscaling of rainfall changes in Hawaiâ□based on the CMIP5 global model projections. **2015**, 120, 92-112	71
1325	Sensitivity of the mean and variability of Indian summer monsoon to land surface schemes in RegCM4: Understanding coupled land-atmosphere feedbacks. **2015**, 120, 9437-9458	31
1324	On the comparison between seasonal predictive skill of global circulation models: Coupled versus uncoupled. **2015**, 120, 11,151-11,172	7
1323	A method to adapt radar-derived precipitation fields for climatological applications. **2015**, 22, 636-649	4
1322	Parametric Sensitivity Analysis for the Asian Summer Monsoon Precipitation Simulation in the Beijing Climate Center AGCM, Version 2.1. **2015**, 28, 5622-5644	23

1321	A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. **2015**, 8, 3577-3600	61
1320	Multi-objective parameter optimization of common land model using adaptive surrogate modeling. **2015**, 19, 2409-2425	46
1319	CESM/CAM5 improvement and application: comparison and evaluation of updated CB05_GE and MOZART-4 gas-phase mechanisms and associated impacts on global air quality and climate. **2015**, 8, 3999-4025	10
1318	Seasonal and interannual variability in wetland methane emissions simulated by CLM4Me' and CAM-chem and comparisons to observations of concentrations. **2015**, 12, 4029-4049	16
1317	Seasonal variation in grass water content estimated from proximal sensing and MODIS time series in a Mediterranean Fluxnet site. **2015**, 12, 5523-5535	23
1316	Tuning and assessment of the HYCOM-NORWECOM V2.1 biogeochemical modeling system for the North Atlantic and Arctic oceans. **2015**, 8, 2187-2202	9
1315	Methodology for evaluating lateral boundary conditions in the regional chemical transport model MATCH (v5.5.0) using combined satellite and ground-based observations. **2015**, 8, 3747-3763	10
1314	Model Consistent Pseudo-Observations of Precipitation and Their Use for Bias Correcting Regional Climate Models. **2015**, 3, 118-132	6
1313	Retrieval of Land Surface Temperature over the Heihe River Basin Using HJ-1B Thermal Infrared Data. **2015**, 7, 300-318	7
1312	Research on the Contribution of Urban Land Surface Moisture to the Alleviation Effect of Urban Land Surface Heat Based on Landsat 8 Data. **2015**, 7, 10737-10762	21
1311	Validation of S-NPP VIIRS Sea Surface Temperature Retrieved from NAVO. **2015**, 7, 17234-17245	12
1310	Implementation of road dust resuspension in air quality simulations of particulate matter in Madrid (Spain). **2015**, 3,	14
1309	PISCES-v2: an ocean biogeochemical model for carbon and ecosystem studies. **2015**, 8, 2465-2513	269
1308	Comparative Analysis of Spatial Interpolation Methods in the Mediterranean Area: Application to Temperature in Sicily. **2015**, 7, 1866-1888	37
1307	Habitat Heterogeneity Affects Plant and Arthropod Species Diversity and Turnover in Traditional Cornfields. **2015**, 10, e0128950	10
1306	Future Climate Impact on the Desertification in the Dry Land Asia Using AVHRR GIMMS NDVI3g Data. **2015**, 7, 3863-3877	34
1305	The IMOS Ocean Radar Facility, ACORN. **2015**, 143-158	2
1304	Assessing the Capabilities of Three Regional Climate Models over CORDEX Africa in Simulating West African Summer Monsoon Precipitation. **2015**, 2015, 1-13	43

1303	Precipitation over Northern South America and Its Seasonal Variability as Simulated by the CMIP5 Models. **2015**, 2015, 1-22	42
1302	Using an ensemble data set of turbulent air-sea fluxes to evaluate the IPSL climate model in tropical regions. **2015**, 120, 4483-4505	9
1301	Fast and slow climate responses to CO2 and solar forcing: A linear multivariate regression model characterizing transient climate change. **2015**, 120, 12,037	14
1300	Impact of climate, vegetation, soil and crop management variables on multi-year ISBA-A-gs simulations of evapotranspiration over a Mediterranean crop site. **2015**, 8, 3033-3053	13
1299	An automatic and effective parameter optimization method for model tuning. **2015**, 8, 3579-3591	25
1298	GNAQPMS-Hg v1.0, a global nested atmospheric mercury transport model: model description, evaluation and application to trans-boundary transport of Chinese anthropogenic emissions. **2015**, 8, 2857-2876	15
1297	Improving the ISBA_{CC} land surface model simulation of water and carbon fluxes and stocks over the Amazon forest. **2015**, 8, 1709-1727	24
1296	Evaluation of the high resolution WRF-Chem (v3.4.1) air quality forecast and its comparison with statistical ozone predictions. **2015**, 8, 2119-2137	17
1295	Evaluation of mechanisms of hot and cold days in climate models over Central Europe. **2015**, 10, 014002	19
1294	Using LCZ data to run an urban energy balance model. **2015**, 13, 14-37	52
1293	Potential impact of future climate change on crop yield in northeastern China. **2015**, 32, 889-897	18
1292	How model and input uncertainty impact maize yield simulations in West Africa. **2015**, 10, 024017	28
1291	The Wind Integration National Dataset (WIND) Toolkit. **2015**, 151, 355-366	254
1290	Advantages of vertically adaptive coordinates in numerical models of stratified shelf seas. **2015**, 92, 56-68	70
1289	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. **2015**, 8, 603-618	134
1288	Effects of Localized Grid Refinement on the General Circulation and Climatology in the Community Atmosphere Model. **2015**, 28, 2777-2803	33
1287	A Hybrid Approach Using Hydrodynamic Modeling and Artificial Neural Networks for Extreme Storm Surge Prediction. **2015**, 57, 1540004-1-1540004-36	5
1286	Evaluating wind extremes in CMIP5 climate models. **2015**, 45, 441-453	49

1285	An evaluation of the seasonal added value of downscaling over the United States using new verification measures. **2015**, 122, 47-57	5
1284	Mixed-layer salinity budget in the tropical Indian Ocean: seasonal cycle based only on observations. **2015**, 65, 845-857	15
1283	Precipitation comparison for the CFSR, MERRA, TRMM3B42 and Combined Scheme datasets in Bolivia. **2015**, 163, 117-131	88
1282	Assessment of precipitation and temperature data from CMIP3 global climate models for hydrologic simulation. **2015**, 19, 361-377	55
1281	A methodology for investigating dust model performance using synergistic EARLINET/AERONET dust concentration retrievals. **2015**,	2
1280	Comparison of NLDAS-2 Simulated and NASMD Observed Daily Soil Moisture. Part I: Comparison and Analysis. **2015**, 16, 1962-1980	63
1279	Development and basic evaluation of a prognostic aerosol scheme (v1) in the CNRM Climate Model CNRM-CM6. **2015**, 8, 501-531	32
1278	Quantitative evaluation of ozone and selected climate parameters in a set of EMAC simulations. **2015**, 8, 733-768	20
1277	A relocatable EnKF ocean data assimilation tool for heterogeneous observational networks. **2015**,	0
1276	GODAE OceanView Class 4 forecast verification framework: global ocean inter-comparison. **2015**, 8, s98-s111	32
1275	GODAE OceanView Inter-comparison for the Australian Region. **2015**, 8, s112-s126	11
1274	Evaluations of CMIP5 simulations over cropland. **2015**,	2
1273	Double ITCZ in Coupled Ocean-Atmosphere Models: From CMIP3 to CMIP5. **2015**, 42, 8651-8659	79
1272	Assessment of the newest ECV soil moisture product over the Tibetan plateau using ground-based observations. **2015**,	
1271	Evaluation of radar vegetation indices for vegetation water content estimation using data from a ground-based SMAP simulator. **2015**,	5
1270	Improving the quality control and accuracy of HF radar currents. **2015**,	3
1269	An integrated ocean circulation, wave, atmosphere, and marine ecosystem prediction system for the South Atlantic Bight and Gulf of Mexico. **2015**, 8, 80-91	68
1268	Evaluation of CMIP5 climate models in simulating 1979â2005 oceanic latent heat flux over the Pacific. **2015**, 32, 1603-1616	8

1267	Recent progress in performance evaluations and near real-time assessment of operational ocean products. **2015**, 8, s221-s238	35
1266	Mid-Pliocene westerlies from PlioMIP simulations. **2015**, 32, 909-923	16
1265	An Evaluation of Temperature and Precipitation Surface-Based and Reanalysis Datasets for the Canadian Arctic, 1950â2010. **2015**, 53, 283-303	46
1264	Observation-based source terms in the third-generation wave model WAVEWATCH. **2015**, 96, 2-25	109
1263	Evaluation of Remotely Sensed Precipitation and Its Performance for Streamflow Simulations in Basins of the Southeast Tibetan Plateau. **2015**, 16, 2577-2594	29
1262	Exploring a Multiresolution Approach Using AMIP Simulations. **2015**, 28, 5549-5574	42
1261	First Evaluation of Aquarius Soil Moisture Products Using In Situ Observations and GLDAS Model Simulations. **2015**, 8, 5511-5525	25
1260	Accuracy, robustness and behavior of the STICS soilâcrop model for plant, water and nitrogen outputs: Evaluation over a wide range of agro-environmental conditions in France. **2015**, 64, 177-190	116
1259	. **2015**, 8, 4345-4354	38
1258	Spatio-temporal distribution of VOC emissions in urban area based on receptor modeling. **2015**, 106, 71-79	19
1257	Land surface temperature retrieval over circumpolar Arctic using SSM/Iâ□SMIS and MODIS data. **2015**, 162, 1-10	42
1256	A 49 year hindcast of surface winds over the Iberian Peninsula. **2015**, 35, 3007-3023	27
1255	Analysis of rainfall seasonality from observations and climate models. **2015**, 44, 3281-3301	54
1254	Inshore/offshore water exchange in the Gulf of Naples. **2015**, 145, 37-52	29
1253	An individual-based model for the analysis of Prochlorococcus diel cycle behavior. **2015**, 301, 1-15	4
1252	An intercomparison of CMIP5 and CMIP3 models for interannual variability of summer precipitation in Pan-Asian monsoon region. **2015**, 35, 3770-3780	17
1251	Homogenization of time series from Portugal and its former colonies for the period from the late 19th to the early 21st century. **2015**, 35, 2400-2418	7
1250	WRF Dynamical Downscaling and Bias Correction Schemes for NCEP Estimated Hydro-Meteorological Variables. **2015**, 29, 2267-2284	36

1249	Using nudging to improve global-regional dynamic consistency in limited-area climate modeling: What should we nudge?. **2015**, 44, 1627-1644	35
1248	An assessment of the predictability of the East Asian Subtropical Westerly Jet based on TIGGE data. **2015**, 32, 401-412	3
1247	Evaluation of precipitation in the ENSEMBLES regional climate models over the complex orography of Slovenia. **2015**, 35, 2574-2591	6
1246	Resolution dependence in simulating the African hydroclimate with the HadGEM3-RA regional climate model. **2015**, 44, 609-632	24
1245	Evaluation of daily precipitation statistics and monsoon onset/retreat over western Sahel in multiple data sets. **2015**, 45, 1325-1354	49
1244	Stochastic soil water balance under seasonal climates. **2015**, 471, 20140623	37
1243	An assessment of remotely sensed surface and root zone soil moisture through active and passive sensors in northeast Asia. **2015**, 160, 166-179	36
1242	Comparison and evaluation of high resolution precipitation estimation products in Urmia Basin-Iran. **2015**, 158-159, 50-65	54
1241	Sensitivity of Initial Conditions on Diurnal Variability of Indian Summer Monsoon. **2015**, 172, 2777-2790	1
1240	Effect of horizontal resolution on ECHAM6-AMIP performance. **2015**, 45, 185-211	35
1239	The impact of ENSO on Southern African rainfall in CMIP5 ocean atmosphere coupled climate models. **2015**, 45, 2425-2442	52
1238	Robustness of the modes of Indo-Pacific sea level variability. **2015**, 45, 1281-1298	34
1237	Comparison of Dobson and Mironov Dielectric Models in the SMOS Soil Moisture Retrieval Algorithm. **2015**, 53, 3084-3094	44
1236	Adaptation to climate change: The impacts of optimized planting dates on attainable maize yields under rainfed conditions in Burkina Faso. **2015**, 205, 23-39	62
1235	Evaluation of observed and simulated teleconnections over the Euro-Atlantic region on the basis of partial least squares regression. **2015**, 44, 2989-3014	5
1234	Up-to-date probabilistic temperature climatologies. **2015**, 10, 024014	5
1233	Global warming and the weakening of the Asian summer monsoon circulation: assessments from the CMIP5 models. **2015**, 45, 233-252	63
1232	Validation of Seasonal Forecast of Indian Summer Monsoon Rainfall. **2015**, 172, 1699-1716	4

1231	On the response of Indian summer monsoon to aerosol forcing in CMIP5 model simulations. **2015**, 45, 2949-2961	39
1230	CERES Synoptic Product: Methodology and Validation of Surface Radiant Flux. **2015**, 32, 1121-1143	130
1229	Evaluating the Performance of Hydrological Models via Cross-Spectral Analysis: Case Study of the Thames Basin, United Kingdom. **2015**, 16, 214-231	14
1228	A coupled movement and bioenergetics model to explore the spawning migration of anchovy in the Bay of Biscay. **2015**, 313, 212-222	25
1227	Evaluation of geostationary satellite (COMS) based PriestleyâTaylor evapotranspiration. **2015**, 159, 77-91	15
1226	A consistent aerosol optical depth (AOD) dataset over mainland China by integration of several AOD products. **2015**, 114, 48-56	31
1225	Spatio-temporal patterns of stratification on the Northwest Atlantic shelf. **2015**, 134, 123-137	30
1224	Global energy and water balance: Characteristics from Finite-volume Atmospheric Model of the IAP/LASG (FAMIL1). **2015**, 7, 1-20	49
1223	Decadal simulation and comprehensive evaluation of CESM/CAM5.1 with advanced chemistry, aerosol microphysics, and aerosol-cloud interactions. **2015**, 7, 110-141	26
1222	Annual sums of carbon dioxide exchange over a heterogeneous urban landscape through machine learning based gap-filling. **2015**, 101, 312-327	16
1221	Evaluation of GPROF-SSMI/S rainfall estimates over land during the Brazilian CHUVA-VALE campaign. **2015**, 163, 102-116	8
1220	Regional Dynamical Downscaling and the CORDEX Initiative. **2015**, 40, 467-490	330
1219	The role of CO2 decline for the onset of Northern Hemisphere glaciation. **2015**, 119, 22-34	33
1218	Assessing the state of the lower level of the trophic web of a temperate lagoon, in situations of light or nutrient stress: A modeling study. **2015**, 313, 59-76	17
1217	Fitting and Analyzing LES Using Multiple Trivariate Gaussians. **2015**, 72, 1094-1116	7
1216	Evaluating Global Streamflow Simulations by a Physically Based Routing Model Coupled with the Community Land Model. **2015**, 16, 948-971	55
1215	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. **2015**, 30, 424-445	18
1214	PISCES-v2: an ocean biogeochemical model for carbon and ecosystem studies. **2015**,	21

1213	Wind variability in a coastal area (Alfacs Bay, Ebro River delta). **2015**, 12, 11-21	13
1212	Evaluation of WAVEWATCH III performance with wind input and dissipation source terms using wave buoy measurements for October 2006 along the east Korean coast in the East Sea. **2015**, 100, 67-82	18
1211	Evaluation of CMIP5 palaeo-simulations to improve climate projections. **2015**, 5, 735-743	157
1210	Projected impacts of climate change on water availability indicators in a semi-arid region of central Mexico. **2015**, 54, 81-89	40
1209	Processes Leading to Double Intertropical Convergence Zone Bias in CESM1/CAM5. **2015**, 28, 2900-2915	10
1208	Linear Filtering of Sample Covariances for Ensemble-Based Data Assimilation. Part II: Application to a Convective-Scale NWP Model. **2015**, 143, 1644-1664	17
1207	Multidecadal Evaluation of WRF Downscaling Capabilities over Western Australia in Simulating Rainfall and Temperature Extremes. **2015**, 54, 370-394	18
1206	Assessment of NASA GISS CMIP5 and Post-CMIP5 Simulated Clouds and TOA Radiation Budgets Using Satellite Observations. Part II: TOA Radiation Budget and CREs. **2015**, 28, 1842-1864	15
1205	A Spectral Cumulus Parameterization Scheme Interpolating between Two Convective Updrafts with Semi-Lagrangian Calculation of Transport by Compensatory Subsidence. **2015**, 143, 597-621	66
1204	Evaluation of the high resolution WRF-Chem air quality forecast and its comparison with statistical ozone predictions. **2015**,	1
1203	MOPS-1.0: modelling the regulation of the global oceanic nitrogen budget by marine biogeochemical processes. **2015**,	1
1202	A semianalytical ocean color inversion algorithm with explicit water column depth and substrate reflectance parameterization. **2015**, 120, 1741-1770	28
1201	Possible future projection of Indian Summer Monsoon Rainfall (ISMR) with the evaluation of model performance in Coupled Model Inter-comparison Project Phase 5 (CMIP5). **2015**, 129, 92-106	28
1200	Estimates of net community production in the Southern Ocean determined from time series observations (2002â2011) of nutrients, dissolved inorganic carbon, and surface ocean pCO2 in Drake Passage. **2015**, 114, 49-63	32
1199	Testing climate models using an impact model: what are the advantages?. **2015**, 131, 649-661	13
1198	A near-uniform fluctuation of ocean bottom pressure and sea level across the deep ocean basins of the Arctic Ocean and the Nordic Seas. **2015**, 134, 152-172	37
1197	Are CMIP5 Models Better than CMIP3 Models in Simulating Precipitation over East Asia?. **2015**, 28, 5601-5621	61
1196	Analysis and evaluation of the global aerosol optical properties simulated by an online aerosol-coupled non-hydrostatic icosahedral atmospheric model. **2015**, 32, 743-758	14

1195	Assessing the effect of domain size over the Caribbean region using the PRECIS regional climate model. **2015**, 44, 1901-1918	29
1194	Establishing the skill of climate field reconstruction techniques for precipitation with pseudoproxy experiments. **2015**, 45, 1395-1413	23
1193	CO2-induced climate change in northern Europe: CMIP2 versus CMIP3 versus CMIP5. **2015**, 45, 1877-1897	11
1192	Sensitivity of systematic biases in South Asian summer monsoon simulations to regional climate model domain size and implications for downscaled regional process studies. **2015**, 45, 213-231	10
1191	Assessment of flood hazard during extreme sea levels in a tidally dominated lagoon. **2015**, 77, 1345-1364	19
1190	ROCADA: a gridded daily climatic dataset over Romania (1961â2013) for nine meteorological variables. **2015**, 78, 1045-1063	71
1189	Evaluating the Influence of Plant-Specific Physiological Parameterizations on the Partitioning of Land Surface Energy Fluxes. **2015**, 16, 517-533	18
1188	SMOS soil moisture retrievals using the land parameter retrieval model: Evaluation over the Murrumbidgee Catchment, southeast Australia. **2015**, 163, 70-79	34
1187	Exceptional Bora outbreak in winter 2012: Validation and analysis of high-resolution atmospheric model simulations in the northern Adriatic area. **2015**, 71, 1-20	32
1186	Impact of climate change on wheat flowering time in eastern Australia. **2015**, 209-210, 11-21	59
1185	Evaluation of remotely sensed and reanalysis soil moisture products over the Tibetan Plateau using in-situ observations. **2015**, 163, 91-110	191
1184	On the evaluation of climate model simulated precipitation extremes. **2015**, 10, 014012	19
1183	Sensitivity of global terrestrial carbon cycle dynamics to variability in satellite-observed burned area. **2015**, 29, 207-222	24
1182	Multi-model and multi-sensor estimations of evapotranspiration over the Volta Basin, West Africa. **2015**, 35, 3132-3145	38
1181	The effects of constraining variables on parameter optimization in carbon and water flux modeling over different forest ecosystems. **2015**, 303, 30-41	8
1180	Comparison of multiple datasets with gridded precipitation observations over the Tibetan Plateau. **2015**, 45, 791-806	103
1179	Automated Quality Control of In Situ Soil Moisture from the North American Soil Moisture Database Using NLDAS-2 Products. **2015**, 54, 1267-1282	21
1178	Comparison of ensemble-based state and parameter estimation methods for soil moisture data assimilation. **2015**, 86, 425-438	27

1177	An Evaluation of Analog-Based Postprocessing Methods across Several Variables and Forecast Models. **2015**, 30, 1623-1643	20
1176	Wave model predictions in the Black Sea: Sensitivity to wind fields. **2015**, 53, 161-178	68
1175	Augmentations to the Noah Model Physics for Application to the Yellow River Source Area. Part II: Turbulent Heat Fluxes and Soil Heat Transport. **2015**, 16, 2677-2694	34
1174	A comparative study on the dominant factors responsible for the weaker-than-expected El Niô event in 2014. **2015**, 32, 1381-1390	7
1173	Simulating anchovyâ full life cycle in the northern Aegean Sea (eastern Mediterranean): A coupled hydro-biogeochemicalâIBM model. **2015**, 138, 399-416	21
1172	Modelling alkaline phosphatase activity in microalgae under orthophosphate limitation: the case ofPhaeocystis globosa. **2015**, 37, 869-885	13
1171	Effects of Meteorological and Ancillary Data, Temporal Averaging, and Evaluation Methods on Model Performance and Uncertainty in a Land Surface Model. **2015**, 16, 2559-2576	19
1170	Global patterns in the sensitivity of burned area to fire-weather: Implications for climate change. **2015**, 214-215, 369-379	83
1169	Validation of standard and alternative satellite ocean-color chlorophyll products off Western Iberia. **2015**, 168, 403-419	29
1168	Surface energy fluxes in the Northeast Asia ecosystem: SEBS and METRIC models using Landsat satellite images. **2015**, 214-215, 60-79	34
1167	Extreme Precipitation Indices over China in CMIP5 Models. Part I: Model Evaluation. **2015**, 28, 8603-8619	125
1166	The concept of global monsoon applied to the last glacial maximum: A multi-model analysis. **2015**, 126, 126-139	22
1165	Long-term SMOS soil moisture products: A comprehensive evaluation across scales and methods in the Duero Basin (Spain). **2015**, 83-84, 123-136	34
1164	Irradiance forecasts based on an irradiance monitoring network, cloud motion, and spatial averaging. **2015**, 122, 1158-1169	33
1163	Status and future of global and regional ocean prediction systems. **2015**, 8, s201-s220	40
1162	Hydrological impacts of climate and land-use changes in a mountain watershed: uncertainty estimation based on model comparison. **2015**, 8, 1396-1416	51
1161	Impacts of variations in the strength and structure of El Niô events on Pacific rainfall in CMIP5 models. **2015**, 44, 3171-3186	6
1160	Influence of physics parameterization schemes on the simulation of a tropical-like cyclone in the Mediterranean Sea. **2015**, 153, 360-375	52

1159	Model study of nutrient and phytoplankton dynamics in the Gulf of Maine: patterns and drivers for seasonal and interannual variability. **2015**, 72, 388-402	20
1158	Future projection of Indian summer monsoon variability under climate change scenario: An assessment from CMIP5 climate models. **2015**, 124, 62-78	168
1157	OSSE impact analysis of airborne ocean surveys for improving upper-ocean dynamical and thermodynamical forecasts in the Gulf of Mexico. **2015**, 130, 32-46	24
1156	Multi-scale evaluation of light use efficiency in MODIS gross primary productivity for croplands in the Midwestern United States. **2015**, 201, 111-119	44
1155	Mid-Holocene global monsoon area and precipitation from PMIP simulations. **2015**, 44, 2493-2512	24
1154	A multi-model assessment for the 2006 and 2010 simulations under the Air Quality Model Evaluation International Initiative (AQMEII) Phase 2 over North America: Part II. Evaluation of column variable predictions using satellite data. **2015**, 115, 587-603	22
1153	Multi-objective environmental model evaluation by means of multidimensional kernel density estimators: Efficient and multi-core implementations. **2015**, 63, 123-136	5
1152	The CLIMIX model: A tool to create and evaluate spatially-resolved scenarios of photovoltaic and wind power development. **2015**, 42, 1-15	35
1151	The role of regional climate model setup in simulating two extreme precipitation events in the European Alpine region. **2015**, 44, 299-314	3
1150	Effects of cumulus parameterizations on predictions of summer flood in the Central United States. **2015**, 45, 727-744	31
1149	Wind resource estimates with an analog ensemble approach. **2015**, 74, 761-773	47
1148	Assessing CMIP5 general circulation model simulations of precipitation and temperature over China. **2015**, 35, 2431-2440	28
1147	Solar radiation variability in Nigeria based on multiyear RegCM3 simulations. **2015**, 74, 195-207	8
1146	An evaluation of the CMIP3 and CMIP5 simulations in their skill of simulating the spatial structure of SST variability. **2015**, 44, 95-114	30
1145	Evaluation of CMIP5 simulated clouds and TOA radiation budgets using NASA satellite observations. **2015**, 44, 2229-2247	71
1144	Sensitivity of WRF to driving data and physics options on a seasonal time-scale for the southwest of Western Australia. **2015**, 44, 633-659	41
1143	Simulation skill of APCC set of global climate models for Asian summer monsoon rainfall variability. **2015**, 120, 109-122	3
1142	The 1-way on-line coupled model system MECO(n) â Part´4: Chemical evaluation (based on MESSy´v2.52). **2016**, 9, 3545-3567	11

1141	An Open-Access, Multi-Decadal, Three-Dimensional, Hydrodynamic Hindcast Dataset for the Long Island Sound and New York/New Jersey Harbor Estuaries. **2016**, 4, 48	19
1140	Characteristics and Diurnal Cycle of GPM Rainfall Estimates over the Central Amazon Region. **2016**, 8, 544	39
1139	Impact of surface coupling grids on tropical cyclone extremes in high-resolution atmospheric simulations. **2016**, 9, 779-788	13
1138	Challenges associated with modeling low-oxygen waters in´Chesapeake Bay: a multiple model comparison. **2016**, 13, 2011-2028	57
1137	Evaluating the performance of land surface model ORCHIDEE-CAN´v1.0 on water and energy flux estimation with a single- and multi-layer energy budget scheme. **2016**, 9, 2951-2972	36
1136	Role of zooplankton dynamics for Southern Ocean phytoplankton biomass and global biogeochemical cycles. **2016**, 13, 4111-4133	53
1135	Effects and consideration of storm movement in rainfallâ□runoff modelling at the basin scale. **2016**, 20, 5063-5071	8
1134	Integrating peatlands into the coupled Canadian Land Surface Scheme (CLASS) v3.6 and the Canadian Terrestrial Ecosystem Model (CTEM) v2.0. **2016**, 9, 2639-2663	33
1133	Uncertainties in calculating precipitation climatology in East Asia. **2016**, 20, 651-658	16
1132	Use of SSU/MSU Satellite Observations to Validate Upper Atmospheric Temperature Trends in CMIP5 Simulations. **2016**, 8, 13	6
1131	MODIS vegetation products as proxies of photosynthetic potential along a gradient of meteorologically and biologically driven ecosystem productivity. **2016**, 13, 5587-5608	24
1130	Land-surface parameter optimisation using data assimilation techniques: the adJULES system V1.0. **2016**, 9, 2833-2852	26
1129	Comprehensive Evaluation of High-Resolution Satellite-Based Precipitation Products over China. **2016**, 7, 6	33
1128	Looking beyond stratification: a model-based analysis of the biological drivers of oxygen deficiency in the North Sea. **2016**, 13, 2511-2535	25
1127	New developments in the representation of Saharan dust sources in the aerosolâ□climate model ECHAM6-HAM2. **2016**, 9, 765-777	16
1126	A new test statistic for climate models that includes field and spatial dependencies using Gaussian Markov random fields. **2016**, 9, 2407-2414	3
1125	Combining satellite observations to develop a global soil moisture product for near-real-time applications. **2016**, 20, 4191-4208	19
1124	ESMValTool (v1.0) â□a community diagnostic and performance metrics tool for routine evaluation of Earth system models in CMIP. **2016**, 9, 1747-1802	93

1123	High-resolution land surface fluxes from satellite and reanalysis data (HOLAPS´v1.0): evaluation and uncertainty assessment. **2016**, 9, 2499-2532	12
1122	An Observational and Model Characterization of Vertical Structure of Wind Fields over Eastern United States: A Case Study of Sterling, Virginia. **2016**, 2016, 1-15	1
1121	Simulating the Energy and Water Fluxes from Two Alkaline Desert Ecosystems over Central Asia. **2016**, 2016, 1-13	2
1120	A diagram for evaluating multiple aspects of model performance in simulating vector fields. **2016**, 9, 4365-4380	35
1119	Testing Reanalyses in Constraining Dynamical Downscaling. **2016**, 94A, 47-68	10
1118	Validation of 3D-CMCC Forest Ecosystem Model (v.5.1) against eddy covariance data for 10 European forest sites. **2016**, 9, 479-504	25
1117	DUACS DT2014: the new multi-mission altimeter data set reprocessed over 20 years. **2016**, 12, 1067-1090	278
1116	A Characterization of Greenland Ice Sheet Surface Melt and Runoff in Contemporary Reanalyses and a Regional Climate Model. **2016**, 4,	18
1115	Hydropower Production in Future Climate Scenarios: The Case for Kwanza River, Angola. **2016**, 9, 363	6
1114	Development of the Hydrodynamic Model for Long-Term Simulation of Water Quality Processes of the Tidal James River, Virginia. **2016**, 4, 82	9
1113	Error Analysis of Satellite Precipitation-Driven Modeling of Flood Events in Complex Alpine Terrain. **2016**, 8, 293	33
1112	Enhancing Noah Land Surface Model Prediction Skill over Indian Subcontinent by Assimilating SMOPS Blended Soil Moisture. **2016**, 8, 976	24
1111	Evaluation of Bias Correction Method for Satellite-Based Rainfall Data. **2016**, 16,	35
1110	Impact of Spatial Soil and Climate Input Data Aggregation on Regional Yield Simulations. **2016**, 11, e0151782	60
1109	APPLICABILITY OF A REVISED LONG-TERM WAVE HINDCAST SYSTEM CONSISTING OF MSM-BASED WINDS DATA SET AND BACKWARD RAY TRACING WAVE MODEL IN THE JAPAN SEA. **2016**, 72, I_133-I_138	
1108	Continental Scale Monitoring of Subdaily and Daily Evapotranspiration Enhanced by the Assimilation of Surface Soil Moisture Derived from Thermal Infrared Geostationary Data. **2016**, 309-332	
1107	Validation metrics for turbulent plasma transport. **2016**, 23, 060901	44
1106	Model Estimation of the Water Purification Capacity of Lost Tidal Flats. **2016**, 50, 345-352	1

1105	Moving beyond the Total Sea Ice Extent in Gauging Model Biases. **2016**, 29, 8965-8987	15
1104	The assessment of a global marine ecosystem model on the basis of emergent properties and ecosystem function: a case study with ERSEM. **2016**, 9, 59-76	20
1103	Evaluation of two convection-permitting ensemble systems in the HyMeX Special Observation Period (SOP1) framework. **2016**, 142, 404-418	21
1102	Global change and climate-driven invasion of the Pacific oyster (Crassostrea gigas) along European coasts: a bioenergetics modelling approach. **2016**, 43, 568-579	53
1101	Evaluation of the Weather Research and Forecasting Model in the Durance Valley Complex Terrain during the KASCADE Field Campaign. **2016**, 55, 861-882	22
1100	Evaluation of downscaled, gridded climate data for the conterminous United States. **2016**, 26, 1338-1351	73
1099	How do green roofs mitigate urban thermal stress under heat waves?. **2016**, 121, 5320-5335	41
1098	Analysis of ERA-Interim-driven COSMO-CLM simulations over Middle East â North Africa domain at different spatial resolutions. **2016**, 36, 3346-3369	16
1097	Hydrodynamics, temperature/salinity variability and residence time in the Chilika lagoon during dry and wet period: Measurement and modeling. **2016**, 125, 28-43	32
1096	Representation of Snow in the Canadian Seasonal to Interannual Prediction System. Part I: Initialization. **2016**, 17, 1467-1488	14
1095	On the dynamical downscaling and bias correction of seasonal-scale winter precipitation predictions over North India. **2016**, 142, 2398-2410	20
1094	Multi-model ensemble prediction of terrestrial evapotranspiration across north China using Bayesian model averaging. **2016**, 30, 2861-2879	34
1093	Reliability of climate models for China through the IPCC Third to Fifth Assessment Reports. **2016**, 36, 1114-1133	79
1092	Global dynamical forecasting system conditioned to robust initial and boundary forcings: seasonal context. **2016**, 36, 4455-4474	2
1091	On the Role of Temperature and Salinity Data Assimilation to Constrain a Coupled PhysicalâBiogeochemical Model in the Baltic Sea. **2016**, 46, 713-729	4
1090	Spatio-temporal interpolation of sub-daily (6 h) precipitation over Romania for the period 1975â2010. **2016**, 36, 1331-1343	13
1089	Responses of the East Asian winter monsoon to global warming in CMIP5 models. **2016**, 36, 2139-2155	24
1088	Building Asian climate change scenario by multi-regional climate models ensemble. Part II: mean precipitation. **2016**, 36, 4253-4264	11

1087	Sea Surface Height Variability in Drake Passage. **2016**, 33, 669-683	4
1086	Gloss evaluation and prediction of achromatic low-gloss textured surfaces from the automotive industry. **2016**, 41, 154-164	2
1085	Characterizing the circulation off the Kenyan-Tanzanian coast using an ocean model. **2016**, 121, 1377-1399	12
1084	The role of heating, winds, and topography on sea level changes in the North Atlantic. **2016**, 121, 2887-2900	4
1083	Status of High latitude precipitation estimates from observations and reanalyses. **2016**, 121, 4468-4486	81
1082	The long-term trend in the diurnal temperature range over Asia and its natural and anthropogenic causes. **2016**, 121, 3519-3533	16
1081	Metrics for the Diurnal Cycle of Precipitation: Toward Routine Benchmarks for Climate Models. **2016**, 29, 4461-4471	50
1080	Annual Sea Level Changes on the North American Northeast Coast: Influence of Local Winds and Barotropic Motions. **2016**, 29, 4801-4816	47
1079	Projection of summer precipitation over the YangtzeâHuaihe River basin using multimodel statistical downscaling based on canonical correlation analysis. **2016**, 30, 867-880	9
1078	Revisiting the concept of a symmetric index of agreement for continuous datasets. **2016**, 6, 19401	48
1077	Precipitation variation over eastern China and arid central Asia during the past millennium and its possible mechanism: Perspectives from PMIP3 experiments. **2016**, 121, 11,989-12,004	14
1076	Stable water isotopes of precipitation in China simulated by SWING2 models. **2016**, 9, 1	6
1075	Global Warming Attenuates the Tropical Atlantic-Pacific Teleconnection. **2016**, 6, 20078	23
1074	Population exposure to hazardous air quality due to the 2015 fires in Equatorial Asia. **2016**, 6, 37074	112
1073	Multi-GCM ensembles performance for climate projection on a GIS platform. **2016**, 2, 1	17
1072	Can Temperature Extremes in East Antarctica be Replicated from ERA Interim Reanalysis?. **2016**, 48, 603-621	4
1071	Decadal reanalysis of biogeochemical indicators and fluxes in the North West European shelf-sea ecosystem. **2016**, 121, 1824-1845	42
1070	CMIP5 earth system models with biogeochemistry: An assessment for the southwest Pacific Ocean. **2016**, 121, 7857-7879	17

1069	Net primary productivity estimates and environmental variables in the Arctic Ocean: An assessment of coupled physical-biogeochemical models. **2016**, 121, 8635-8669	23
1068	Evaluation of multisatellite precipitation products by use of ground-based data over China. **2016**, 121, 10,654-10,675	31
1067	Using multifractals to evaluate oceanographic model skill. **2016**, 121, 5487-5500	2
1066	Occurrence, durè et intensit˚des prˆipitations simulès par deux modÈes rˆionaux canadiens du climat sur la rˆion du Maghreb. **2016**, 54, 469-497	2
1065	A wind power forecasting system based on the weather research and forecasting model and Kalman filtering over a wind-farm in Japan. **2016**, 8, 013302	17
1064	Validation of satellite sea surface temperature analyses in the Beaufort Sea using UpTempO buoys. **2016**, 187, 458-475	28
1063	Variation and uncertainty in the predicted flowering dates of cherry blossoms using the CMIP5 climate change scenario. **2016**, 52, 509-518	2
1062	6-hour maximum rain in Friuli Venezia Giulia: Climatology and ECMWF-based forecasts. **2016**, 169, 465-484	14
1061	Modelling coastal low-level wind-jets: does horizontal resolution matter?. **2016**, 128, 263-278	9
1060	Impacts of reprocessed altimetry on the surface circulation and variability of the Western Alboran Gyre. **2016**, 58, 277-288	8
1059	Potentialities of ensemble strategies for flood forecasting over the Milano urban area. **2016**, 539, 237-253	30
1058	Strengths and weaknesses of the CMEMS forecasted and reanalyzed solutions for the IberiaâBiscayâIreland (IBI) waters. **2016**, 159, 1-14	22
1057	Changes in temperature extremes for 21st century scenarios over South America derived from a multi-model ensemble of regional climate models. **2016**, 68, 151-167	17
1056	Tanzania's reptile biodiversity: Distribution, threats and climate change vulnerability. **2016**, 204, 72-82	17
1055	Teleconnection responses in multi-GCM driven CORDEX RCMs over Eastern Africa. **2016**, 46, 2821-2846	52
1054	Projections of high resolution climate changes for South Korea using multiple-regional climate models based on four RCP scenarios. Part 1: surface air temperature. **2016**, 52, 151-169	26
1053	Projections of high resolution climate changes for South Korea using multiple-regional climate models based on four RCP scenarios. Part 2: precipitation. **2016**, 52, 171-189	22
1052	The Estimation of Convective Mass Flux from Radar Reflectivities. **2016**, 55, 1239-1257	9

1051	Antarctic and Southern Ocean Surface Temperatures in CMIP5 Models in the Context of the Surface Energy Budget*. **2016**, 29, 1689-1716	26
1050	Evaluating the skill of NMME seasonal precipitation ensemble predictions for 17 hydroclimatic regions in continental China. **2016**, 36, 132-144	40
1049	Comparing global precipitation data sets in eastern Africa: a case study of Kilombero Valley, Tanzania. **2016**, 36, 2000-2014	66
1048	Validation and trend analysis of ECV soil moisture data on cropland in North China Plain during 1981â2010. **2016**, 48, 110-121	43
1047	A parameterization scheme of aerosol vertical distribution for surface-level visibility retrieval from satellite remote sensing. **2016**, 181, 1-13	23
1046	Seasonal prediction of Indian summer monsoon rainfall in NCEP CFSv2: forecast and predictability error. **2016**, 46, 2305-2326	33
1045	Towards a fair comparison of statistical and dynamical downscaling in the framework of the EURO-CORDEX initiative. **2016**, 137, 411-426	29
1044	A worldwide evaluation of basin-scale evapotranspiration estimates against the water balance method. **2016**, 538, 82-95	118
1043	Deficiencies in the simulation of the geographic distribution of climate types by global climate models. **2016**, 46, 2749-2757	10
1042	Development of a coupled carbon and water model for estimating global gross primary productivity and evapotranspiration based on eddy flux and remote sensing data. **2016**, 223, 116-131	56
1041	A high resolution hydrodynamic model system suitable for novel harmful algal bloom modelling in areas of complex coastline and topography. **2016**, 53, 102-117	43
1040	Harmful algal bloom forecast system for SW Ireland. Part I: Description and validation of an operational forecasting model. **2016**, 53, 64-76	21
1039	Overview of SMOS performance in terms of global soil moisture monitoring after six years in operation. **2016**, 180, 40-63	175
1038	Modeling landings profiles of fishing vessels: An application of Self-Organizing Maps to VMS and logbook data. **2016**, 181, 34-47	20
1037	Multi-Model Ensemble for day ahead prediction of photovoltaic power generation. **2016**, 134, 132-146	60
1036	Simulating the net ecosystem CO2 exchange and its components over winter wheat cultivation sites across a large climate gradient in Europe using the ORCHIDEE-STICS generic model. **2016**, 226, 1-17	7
1035	Assessment of a high resolution annual WRF-BEP/CMAQ simulation for the urban area of Madrid (Spain). **2016**, 144, 282-296	34
1034	Application of model output statistics to the GEM-AQ high resolution air quality forecast. **2016**, 181, 186-199	14

1033	Data assimilation in a coupled physical-biogeochemical model of the California Current System using an incremental lognormal 4-dimensional variational approach: Part 2âJoint physical and biological data assimilation twin experiments. **2016**, 106, 146-158	9
1032	Linking urban climate classification with an urban energy and water budget model: Multi-site and multi-seasonal evaluation. **2016**, 17, 196-215	31
1031	Evaluation of the impact of atmospheric ozone and aerosols on the horizontal global/diffuse UV Index at Livorno (Italy). **2016**, 146, 194-204	
1030	Performance comparison of meso-scale ensemble wave forecasting systems for Mediterranean sea states. **2016**, 104, 171-186	3
1029	North and equatorial Pacific Ocean circulation in the CORE-II hindcast simulations. **2016**, 104, 143-170	23
1028	A 3D, cross-scale, baroclinic model with implicit vertical transport for the Upper Chesapeake Bay and its tributaries. **2016**, 107, 82-96	18
1027	Comparison of soil moisture in GLDAS model simulations and in situ observations over the Tibetan Plateau. **2016**, 121, 2658-2678	125
1026	Assessment of air quality microsensors versus reference methods: The EuNetAir joint exercise. **2016**, 147, 246-263	137
1025	Tropical Cyclone Intensity Errors Associated with Lack of Two-Way Ocean Coupling in High-Resolution Global Simulations. **2016**, 29, 8589-8610	41
1024	Optimizing dynamic downscaling in one-way nesting using a regional ocean model. **2016**, 106, 104-120	15
1023	Using climate models to estimate the quality of global observational data sets. **2016**, 354, 452-455	33
1022	The impact of standard and hard-coded parameters on the hydrologic fluxes in the Noah-MP land surface model. **2016**, 121, 10,676-10,700	64
1021	The seasonal cycle as a mode to diagnose biases in modelled CO2 fluxes in the Southern Ocean. **2016**, 106, 90-103	16
1020	Interannual variability in the South-East Atlantic Ocean, focusing on the Benguela Upwelling System: Remote versus local forcing. **2016**, 121, 284-310	38
1019	Detecting changes in future precipitation extremes over eight river basins in China using RegCM4 downscaling. **2016**, 121, 6802-6821	26
1018	The Brazilian Global Atmospheric Model (BAM): Performance for Tropical Rainfall Forecasting and Sensitivity to Convective Scheme and Horizontal Resolution. **2016**, 31, 1547-1572	36
1017	Basin-scale assessment of the land surface energy budget in the National Centers for Environmental Prediction operational and research NLDAS-2 systems. **2016**, 121, 196-220	14
1016	Physical and dynamical characteristics of a 300 m-deep anticyclonic eddy in the Ligurian Sea (Northwest Mediterranean Sea): Evidence from a multi-platform sampling strategy. **2016**, 116, 145-164	7

1015	Accuracy assessment of temperature and salinity computed by the 3D Coupled Ecosystem Model of the Baltic Sea (3D CEMBS) in the Southern Baltic. **2016**, 9, 67-73	1
1014	Ocean circulation drives heterogeneous recruitments and connectivity among coral populations on the North West Shelf of Australia. **2016**, 164, 1-12	27
1013	Evaluation of regional climate simulations over the CORDEX-EA-II domain using the COSMO-CLM model. **2016**, 52, 107-127	20
1012	Statistical downscaling and dynamical downscaling of regional climate in China: Present climate evaluations and future climate projections. **2016**, 121, 2110-2129	80
1011	Assessing estimates of evaporative demand in climate models using observed pan evaporation over China. **2016**, 121, 8329-8349	35
1010	Inter-comparison of OC-CCI chlorophyll-a estimates with precursor data sets. **2016**, 37, 4337-4355	22
1009	Seasonal surface urban energy balance and wintertime stability simulated using three land-surface models in the high-latitude city Helsinki. **2016**, 142, 401-417	39
1008	Robustness of Meteorological Droughts in Dynamically Downscaled Climate Simulations. **2016**, 52, 138-167	6
1007	Exploiting coastal altimetry to improve the surface circulation scheme over the central Mediterranean Sea. **2016**, 121, 4888-4909	20
1006	Investigating the role of prior and observation error correlations in improving a model forecast of forest carbon balance using Four-dimensional Variational data assimilation. **2016**, 228-229, 299-314	17
1005	What have we learnt from palaeoclimate simulations?. **2016**, 31, 363-385	42
1004	From calibration to real-time operations: an assessment of three precipitation benchmarks for a Swiss river system. **2016**, 23, 448-461	4
1003	High-resolution ensemble projections of near-term regional climate over the continental United States. **2016**, 121, 9943-9963	47
1002	Budget of organic carbon in the North-Western Mediterranean open sea over the period 2004â2008 using 3-D coupled physical-biogeochemical modeling. **2016**, 121, 7026-7055	17
1001	Searching for Added Value in Simulating Climate Extremes with a High-Resolution Regional Climate Model over Western Canada. II: Basin-Scale Results. **2016**, 54, 385-402	3
1000	Simulation by CMIP5 models of the atlantic multidecadal oscillation and its climate impacts. **2016**, 33, 1329-1342	26
999	A comprehensive approach for the evaluation and comparison of emission inventories in Madrid. **2016**, 145, 29-44	15
998	Dynamics of the Chesapeake Bay outflow plume: Realistic plume simulation and its seasonal and interannual variability. **2016**, 121, 1424-1445	27

997	Predictability of wind-induced sea surface transport in coastal areas. **2016**, 121, 5847-5871	12
996	Which weather systems are projected to cause future changes in mean and extreme precipitation in CMIP5 simulations?. **2016**, 121, 10,522-10,537	14
995	Sensitivity to the use of 3DVAR data assimilation in a mesoscale model for estimating offshore wind energy potential. A case study of the Iberian northern coastline. **2016**, 180, 617-627	30
994	Future Changes in Mean and Extreme Monsoon Precipitation in the Middle and Lower Yangtze River Basin, China, in the CMIP5 Models. **2016**, 17, 2785-2797	11
993	Cross-Seasonal Relationship between the Boreal Autumn SAM and Winter Precipitation in the Northern Hemisphere in CMIP5. **2016**, 29, 6617-6636	10
992	Using GIS based algorithms for GCMs' performance evaluation. **2016**,	2
991	Modeling wind waves from deep to shallow waters in Lake Michigan using unstructured SWAN. **2016**, 121, 3836-3865	22
990	Verification of high-speed solar wind stream forecasts using operational solar wind models. **2016**, 14, 495-510	51
989	Joint DEnKF-albedo assimilation scheme that considers the common land model subgrid heterogeneity and a snow density-based observation operator for improving snow depth simulations. **2016**, 10, 036001	1
988	Modeling circulation patterns induced by spatial cross-shore wind variability in a small-size coastal embayment. **2016**, 104, 84-98	7
987	Construction of rainfall change scenarios over the Chilka Lagoon in India. **2016**, 182, 36-45	18
986	Assessment of CMIP5 Multi-Model Dataset to Evaluate Impacts on the Future Regional Water Resources of South Florida. **2016**,	1
985	Validation of a Water Vapor Micropulse Differential Absorption Lidar (DIAL). **2016**, 33, 2353-2372	52
984	Comparison of individual-based model output to data using a model of walleye pollock early life history in the Gulf of Alaska. **2016**, 132, 240-262	9
983	Impact of high-resolution sea surface temperature and urban data on estimations of surface air temperature in a regional climate. **2016**, 121, 10,486-10,504	2
982	A GMDH-type neural network with multi-filter feature selection for the prediction of transition temperatures of bent-core liquid crystals. **2016**, 6, 99676-99684	6
981	Linking Climate Change and Groundwater. **2016**, 97-141	13
980	Uncertainties associated with the IMERG Multi-Satellite precipitation product. **2016**,	2

979	Seasonal and interannual variability of the Arctic sea ice: A comparison between AO-FVCOM and observations. **2016**, 121, 8320-8350	16
978	Impacts of climate change and water resources development on the declining inflow into Iran's Urmia Lake. **2016**, 42, 942-952	70
977	Trends of the Pathways and Intensities of Surface Equatorial Current System in the North Pacific Ocean. **2016**, 29, 6693-6710	9
976	Snow data assimilation-constrained land initialization improves seasonal temperature prediction. **2016**, 43, 11,423	27
975	First application of regression analysis to retrieve Soil Moisture from SMAP brightness temperature observations consistent with SMOS. **2016**,	
974	An Experimental Study on Evapotranspiration Data Assimilation Based on the Hydrological Model. **2016**, 30, 5263-5279	11
973	Bias and variance correction of sea surface temperatures used for dynamical downscaling. **2016**, 121, 12,877-12,890	19
972	Satellite estimates of net community production based on O2/Ar observations and comparison to other estimates. **2016**, 30, 735-752	26
971	Analysis of particulate emissions from tropical biomass burning using a global aerosol model and long-term surface observations. **2016**, 16, 11083-11106	77
970	Evaluating the skill of high-resolution WRF-Chem simulations in describing drivers of aerosol direct climate forcing on the regional scale. **2016**, 16, 397-416	21
969	Evaluation of the precipitation seasonal variation over eastern China simulated by BCC_CSM model with two horizontal resolutions. **2016**, 121, 8374-8389	5
968	Effect of Spatial Resolution and Cumulus Parameterization on Simulated Precipitation over South Asia. **2016**, 12A, 7-12	13
967	Validation of the Swiss methane emission inventory by atmospheric observations and inverse modelling. **2016**, 16, 3683-3710	69
966	Sensitivity to grid resolution in the ability of a chemical transport model to simulate observed oxidant chemistry under high-isoprene conditions. **2016**, 16, 4369-4378	45
965	The importance of temporal collocation for the evaluation of aerosol models with observations. **2016**, 16, 1065-1079	52
964	Case studies of the impact of orbital sampling on stratospheric trend detection and derivation of tropical vertical velocities: solar occultation vs. limb emission sounding. **2016**, 16, 11521-11534	17
963	Insights into the deterministic skill of air quality ensembles from the analysis of AQMEII data. **2016**, 16, 15629-15652	17
962	Aerosol optical properties derived from the DRAGON-NE Asia campaign, and implications for a single-channel algorithm to retrieve aerosol optical depth in spring from Meteorological Imager (MI) on-board the Communication, Ocean, and Meteorological Satellite (COMS). **2016**, 16, 1789-1808	25

961	Atmospheric constraints on the methane emissions from the East Siberian Shelf. **2016**, 16, 4147-4157	51
960	Impact of vehicular emissions on the formation of fine particles in the Sao Paulo Metropolitan Area: a numerical study with the WRF-Chem model. **2016**, 16, 777-797	40
959	Benchmarking historical CMIP5 plant functional types across the Upper Midwest and Northeastern United States. **2016**, 121, 523-535	16
958	Methods to Evaluate Prediction Skill in the Madden-Julian Oscillation Phase Space. **2016**, 94, 257-267	1
957	Performance of the Goddard multiscale modeling framework with Goddard ice microphysical schemes. **2016**, 8, 66-95	16
956	Testing a land model in ecosystem functional space via a comparison of observed and modeled ecosystem flux responses to precipitation regimes and associated stresses in a Central U.S. forest. **2016**, 121, 1884-1902	19
955	ESTIMATION OF LONG TERM VARIABILITY OF TYPHOON GENERATED 50-YEAR RETURN WAVE HEIGHT IN THE NORTHWESTERN PACIFIC OCEAN. **2016**, 72, I_145-I_150	
954	Assessment of the simulation of Indian Ocean Dipole in the CESMâ€Impacts of atmospheric physics and model resolution. **2016**, 8, 1932-1952	11
953	Characterizing and Understanding Cloud Ice and Radiation Budget Biases in Global Climate Models and Reanalysis. **2016**, 56, 13.1-13.20	13
952	Distributed modeling of ablation (1996â2011) and climate sensitivity on the glaciers of Taylor Valley, Antarctica. **2016**, 62, 215-229	21
951	Evaluation of downscaled wind speeds and parameterised gusts for recent and historical windstorms in Switzerland. **2016**, 68, 31820	20
950	Uncertainty in complex three-dimensional sediment transport models: equifinality in a model application of the Ems Estuary, the Netherlands. **2016**, 66, 1665-1679	12
949	Improved data gap-filling schemes for estimation of net ecosystem exchange in typical East-Asian croplands. **2016**, 59, 1652-1664	1
948	Evaluation of historical and future simulations of precipitation and temperature in central Africa from CMIP5 climate models. **2016**, 121, 130-152	82
947	Building Asian climate change scenario by multi-regional climate models ensemble. Part I: surface air temperature. **2016**, 36, 4241-4252	19
946	Three new diagnostic verification diagrams. **2016**, 23, 371-378	3
945	Multiobjective adaptive surrogate modeling-based optimization for parameter estimation of large, complex geophysical models. **2016**, 52, 1984-2008	39
944	Hydrometeor Mixing Ratio Retrievals for Storm-Scale Radar Data Assimilation: Utility of Current Relations and Potential Benefits of Polarimetry. **2016**, 144, 2981-3001	17

943	Evaluation of soil moisture derived from FY3B microwave brightness temperature over the Tibetan Plateau. **2016**, 7, 817-826	12
942	A quantitative assessment of precipitation associated with the ITCZ in the CMIP5 GCM simulations. **2016**, 47, 1863-1880	26
941	An assessment of CSIRO Conformal Cubic Atmospheric Model simulations over Sri Lanka. **2016**, 46, 1861-1875	9
940	Comparison between high-resolution climate simulations using single- and double-nesting approaches within the Big-Brother experimental protocol. **2016**, 47, 3613-3626	10
939	The Application of Climate Models. **2016**, 503-567	
938	Present climate and future projections of the thermal comfort index for the metropolitan region of SÃ Paulo, Brazil. **2016**, 137, 439-454	10
937	. **2016**, 1-17	3
936	Evaluation of the prediction skill of stock assessment using hindcasting. **2016**, 183, 119-127	9
935	West African monsoon decadal variability and surface-related forcings: Second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). **2016**, 47, 3517-3545	29
934	Comparison of remotely-sensed and modeled soil moisture using CLM4.0 with in situ measurements in the central Tibetan Plateau area. **2016**, 129, 31-44	7
933	Annual plankton dynamics in a coupled physicalâBiological model of the Strait of Georgia, British Columbia. **2016**, 146, 58-74	16
932	Sensitivity Study on the Influence of Cloud Microphysical Parameters on Mixed-Phase Cloud Thermodynamic Phase Partitioning in CAM5. **2016**, 73, 709-728	65
931	Performance Metrics, Error Modeling, and Uncertainty Quantification. **2016**, 144, 607-613	32
930	Assessing the spatio-temporal structure of annual and seasonal surface temperature for CMIP5 and reanalysis. **2016**, 18, 179-193	11
929	ENSO and annual cycle interaction: the combination mode representation in CMIP5 models. **2016**, 46, 3753-3765	17
928	Will the western Pacific subtropical high constantly intensify in the future?. **2016**, 47, 567-577	11
927	Evaluation of air-sea sensible and latent heat fluxes over the Japan Sea obtained from satellite, atmospheric reanalysis, and objective analysis products. **2016**, 72, 747-760	3
926	Shelf sediment transport during hurricanes Katrina and Rita. **2016**, 90, 24-39	44

925	Revisiting last glacial maximum climate over China and East Asian monsoon using PMIP3 simulations. **2016**, 453, 115-126	30
924	Early assessment of Integrated Multi-satellite Retrievals for Global Precipitation Measurement over China. **2016**, 176-177, 121-133	142
923	Sea surface salinity variability in the Agulhas Current region inferred from SMOS and Aquarius. **2016**, 180, 440-452	10
922	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. **2016**, 129, 53-76	17
921	Assessment and simulation of global terrestrial latent heat flux by synthesis of CMIP5 climate models and surface eddy covariance observations. **2016**, 223, 151-167	19
920	Three-dimensional model-observation comparison in the Loop Current region. **2016**, 76, 283-305	9
919	Evaluation of a long-term hindcast simulation for the Columbia River estuary. **2016**, 99, 1-14	28
918	Suitability of satellite sea surface salinity data for use in assessing and correcting ocean forecasts. **2016**, 180, 305-319	6
917	Estimation of aerosol properties over the Chinese desert region with MODIS AOD assimilation in a global model. **2016**, 7, 90-98	8
916	Effects of data assimilation on the global aerosol key optical properties simulations. **2016**, 178-179, 175-186	9
915	Downscaling ocean conditions with application to the Gulf of Maine, Scotian Shelf and adjacent deep ocean. **2016**, 104, 54-72	13
914	Searching for Added Value in Simulating Climate Extremes with a High-Resolution Regional Climate Model over Western Canada. **2016**, 54, 364-384	6
913	Discrepancies in boreal summer monsoon rainfall between GPCP and CMAP products during 1979â2014. **2016**, 9, 226-233	4
912	Comparison of satellite-estimated and model-forecasted rainfall data during a deadly debris-flow event in Zhouqu, Northwest China. **2016**, 9, 139-145	9
911	Simulation of the interface between the Indian summer monsoon and the East Asian summer monsoon: Intercomparison between MPI-ESM and ECHAM5/MPI-OM. **2016**, 33, 294-308	7
910	Diagnosis of boreal summer intraseasonal oscillation in high resolution NCEP climate forecast system. **2016**, 46, 3287-3303	20
909	Evaluation of precipitation and temperature simulation performance of the CMIP3 and CMIP5 historical experiments. **2016**, 47, 1881-1898	53
908	Improving multimodel medium range forecasts over the Greater Horn of Africa using the FSU superensemble. **2016**, 128, 441-451	5

907	Extreme temperature and precipitation events over Italy: assessment of high-resolution simulations with COSMO-CLM and future scenarios. **2016**, 36, 987-1004	50
906	Evaluation of the interdecadal variability of sea surface temperature and sea level in the Pacific in CMIP3 and CMIP5 models. **2016**, 36, 3723-3740	19
905	The AsianâPacific Oscillation pattern in CMIP5 simulations of historical and future climate. **2016**, 36, 4778-4789	8
904	Recent and Projected Annual Cycles of Temperature and Precipitation in the Northeast United States from CMIP5. **2016**, 29, 347-365	27
903	Evaluating the Climate Effects of Reforestation in New England Using a Weather Research and Forecasting (WRF) Model Multiphysics Ensemble. **2016**, 29, 5141-5156	19
902	Sensitivity of Southeast Asia rainfall simulations to cumulus and air-sea flux parameterizations in RegCM4. **2016**, 69, 59-77	47
901	Impact of resolution on regional climate modeling in the source region of Yellow River with complex terrain using RegCM3. **2016**, 125, 365-380	5
900	Estimation and uncertainty analyses of grassland biomass in Northern China: Comparison of multiple remote sensing data sources and modeling approaches. **2016**, 60, 1031-1040	38
899	Evaluation of satellite soil moisture products over Norway using ground-based observations. **2016**, 45, 155-164	24
898	Satellite surface soil moisture from SMOS and Aquarius: Assessment for applications in agricultural landscapes. **2016**, 45, 143-154	30
897	Improving terrestrial evaporation estimates over continental Australia through assimilation of SMOS soil moisture. **2016**, 48, 146-162	70
896	A Framework for Evaluating Climate Model Performance Metrics. **2016**, 29, 1773-1782	24
895	Multisite Downscaling of Seasonal Predictions to Daily Rainfall Characteristics over PacificâAndean River Basins in Ecuador and Peru Using a Nonhomogeneous Hidden Markov Model. **2016**, 17, 481-498	10
894	Sensitivity analysis with the regional climate model COSMO-CLM over the CORDEX-MENA domain. **2016**, 128, 73-95	34
893	Statistical and Hydrological Comparisons between TRMM and GPM Level-3 Products over a Midlatitude Basin: Is Day-1 IMERG a Good Successor for TMPA 3B42V7?. **2016**, 17, 121-137	163
892	Spatial distribution of precipitation annual cycles over South Africa in 10 CORDEX regional climate model present-day simulations. **2016**, 46, 1799-1818	29
891	Spatio-temporal reconstruction of missing forest microclimate measurements. **2016**, 218-219, 1-10	10
890	Evaluation of empirical models for predicting monthly mean horizontal diffuse solar radiation. **2016**, 56, 246-260	147

889	Sensitivity of modeled NEP to climate forcing and soil at site and regional scales: Implications for upscaling ecosystem models. **2016**, 320, 241-257	13
888	Foliar temperature acclimation reduces simulated carbon sensitivity to climate. **2016**, 6, 407-411	85
887	Climate variability and change on the Mongolian Plateau: historical variation and future predictions. **2016**, 67, 1-14	15
886	Extreme climate events and agricultural climate indices in China: CMIP5 model evaluation and projections. **2016**, 36, 43-61	54
885	Parameterizing ecosystem light use efficiency and water use efficiency to estimate maize gross primary production and evapotranspiration using MODIS EVI. **2016**, 222, 87-97	42
884	Varying applicability of four different satellite-derived soil moisture products to global gridded crop model evaluation. **2016**, 48, 51-60	13
883	Current and future precipitation extremes over Mississippi and Yangtze River basins as simulated in CMIP5 models. **2016**, 27, 22-36	19
882	Representation of monsoon intraseasonal oscillations in regional climate model: sensitivity to convective physics. **2016**, 47, 895-917	24
881	Reproducibility of Summer Precipitation over Northern Eurasia in CMIP5 Multiclimate Models. **2016**, 29, 3317-3337	10
880	21st century drought outlook for major climate divisions of Texas based on CMIP5 multimodel ensemble: Implications for water resource management. **2016**, 534, 300-316	75
879	Evaluation of Four Reanalysis Surface Albedo Data Sets in Arctic Using a Satellite Product. **2016**, 1-5	5
878	A proposed methodology for the assessment of arsenic, nickel, cadmium and lead levels in ambient air. **2016**, 554-555, 155-66	10
877	Land response to atmosphere at different resolutions in the common land model over East Asia. **2016**, 33, 391-408	6
876	Support vector machines and generalized linear models for quantifying soil dehydrogenase activity in agro-forestry system of mid altitude central Himalaya. **2016**, 75, 1	5
875	The Pacific Decadal Oscillation, Revisited. **2016**, 29, 4399-4427	645
874	Predicting Effluent Biochemical Oxygen Demand in a Wastewater Treatment Plant Using Generalized Regression Neural Network Based Approach: A Comparative Study. **2016**, 3, 153-165	38
873	Extensive worldwide validation and climate sensitivity analysis of direct irradiance predictions from 1-min global irradiance. **2016**, 128, 1-30	138
872	Multiscale and Multivariate Evaluation of Water Fluxes and States over European River Basins. **2016**, 17, 287-307	98

871	Evaluation of multiple regional climate models for summer climate extremes over East Asia. **2016**, 46, 2469-2486	94
870	Impact of topographic internal lee wave drag on an eddying global ocean model. **2016**, 97, 109-128	33
869	Testing regression equations to derive long-term global soil moisture datasets from passive microwave observations. **2016**, 180, 453-464	38
868	An assessment of the wind re-analyses in the modelling of an extreme sea state in the Black Sea. **2016**, 73, 61-75	29
867	Inter-comparison of three distributed hydrological models with respect to seasonal variability of soil moisture patterns at a small forested catchment. **2016**, 533, 234-249	55
866	Present and future climate conditions for winegrowing in Spain. **2016**, 16, 617-627	12
865	A long term (1999â2008) study of radar anomalous propagation conditions in the Western Mediterranean. **2016**, 169, 73-85	8
864	Applying the Triangle Method for the parameterization of irrigated areas as input for spatially distributed hydrological modeling - Assessing future drought risk in the Gaza Strip (Palestine). **2016**, 543, 877-88	22
863	Assessing irrigated agriculture's surface water and groundwater consumption by combining satellite remote sensing and hydrologic modelling. **2016**, 542, 372-82	40
862	Sensitivity studies of high-resolution RegCM3 simulations of precipitation over the European Alps: the effect of lateral boundary conditions and domain size. **2016**, 126, 617-630	4
861	Evaluating the impacts of cumulus, land surface and ocean surface schemes on summertime rainfall simulations over East-to-southeast Asia and the western north Pacific by RegCM4. **2016**, 46, 2487-2505	14
860	Daily precipitation statistics in a EURO-CORDEX RCM ensemble: added value of raw and bias-corrected high-resolution simulations. **2016**, 47, 719-737	72
859	Comparison and validation of physical wave parameterizations in spectral wave models. **2016**, 103, 2-17	95
858	A numerical approach for planning offshore wind farms from regional to local scales over the Mediterranean. **2016**, 85, 395-405	40
857	High resolution WRF ensemble forecasting for irrigation: Multi-variable evaluation. **2016**, 167, 156-174	33
856	Validation of δ18O as a proxy for past monsoon rain by multi-GCM simulations. **2016**, 46, 1371-1385	28
855	Precipitation climatology over India: validation with observations and reanalysis datasets and spatial trends. **2016**, 46, 541-556	83
854	Evaluation of two GCMs in simulating rainfall inter-annual variability over Southern Africa. **2016**, 123, 415-436	7

853	Seasonal prediction skill of winter temperature over North India. **2016**, 124, 15-29	11
852	Seasonal evaluation of evapotranspiration fluxes from MODIS satellite and mesoscale model downscaled global reanalysis datasets. **2016**, 124, 461-473	22
851	Two dominant modes of winter temperature variations over China and their relationships with large-scale circulations in CMIP5 models. **2016**, 124, 579-592	6
850	Possible future rainfall over Gangetic Plains (GP), India, in multi-model simulations of CMIP3 and CMIP5. **2016**, 124, 691-701	20
849	Comprehensive Framework for Assessment of Radar-Based Precipitation Data Estimates. **2017**, 22,	6
848	Assessing uncertainty and complexity in regional-scale crop model simulations. **2017**, 88, 84-95	20
847	An improvement in mass flux convective parameterizations and its impact on seasonal simulations using a coupled model. **2017**, 127, 779-791	5
846	Projections of Southern Hemisphere atmospheric circulation interannual variability. **2017**, 48, 1187-1211	5
845	Impact of spectral nudging on regional climate simulation over CORDEX East Asia using WRF. **2017**, 48, 2339-2357	33
844	Impact of Interdecadal Pacific Oscillation on Indian summer monsoon rainfall: an assessment from CMIP5 climate models. **2017**, 48, 2375-2391	33
843	Comparison of projection skills of deterministic ensemble methods using pseudo-simulation data generated from multivariate Gaussian distribution. **2017**, 129, 243-262	10
842	Variability of hydrological extreme events in East Asia and their dynamical control: a comparison between observations and two high-resolution global climate models. **2017**, 48, 745-766	8
841	Mean climate and representation of jet streams in the CORDEX South Asia simulations by the regional climate model RCA4. **2017**, 129, 1-19	26
840	High-Resolution Dynamical Downscaling of ERA-Interim Using the WRF Regional Climate Model for the Area of Poland. Part 1: Model Configuration and Statistical Evaluation for the 1981â2010 Period. **2017**, 174, 511-526	26
839	Effects of diurnal temperature range and drought on wheat yield in Spain. **2017**, 129, 503-519	19
838	Regional Wave Modeling and Evaluation for the North Atlantic Coast Comprehensive Study. **2017**, 143,	4
837	Extended predictor screening, application and added value of statistical downscaling of a CMIP5 ensemble for single-site projections in Distrito Federal, Brazil. **2017**, 37, 46-65	5
836	Seasonal fluctuations of photosynthetic parameters for light use efficiency models and the impacts on gross primary production estimation. **2017**, 236, 22-35	14

835	Spatiotemporal variability of the Black Sea wave climate in the last 37 years. **2017**, 136, 1-19	39
834	High-resolution multi-scale modelling of coastal flooding due to tides, storm surges and rivers inflows. A Cork City example. **2017**, 121, 278-296	42
833	Operational Precise Irrigation for Cotton Cultivation through the Coupling of Meteorological and Crop Growth Models. **2017**, 31, 563-580	18
832	High-resolution simulation of the boreal summer intraseasonal oscillation in Met Office Unified Model. **2017**, 143, 362-373	9
831	The resolution sensitivity of the Asian summer monsoon and its inter-model comparison between MRI-AGCM and MetUM. **2017**, 49, 3345-3361	9
830	Evaluating the skills of isotope-enabled general circulation models against in situ atmospheric water vapor isotope observations. **2017**, 122, 246-263	35
829	Benchmarking CMIP5 models with a subset of ESA CCI Phase 2 data using the ESMValTool. **2017**, 203, 9-39	27
828	Using a Bayesian Regression Approach on Dual-Model Windstorm Simulations to Improve Wind Speed Prediction. **2017**, 56, 1155-1174	7
827	Evaluation of NASA GISS post-CMIP5 single column model simulated clouds and precipitation using ARM Southern Great Plains observations. **2017**, 34, 306-320	5
826	Regional climate of the subtropical central Andes using high-resolution CMIP5 models—part I: past performance (1980–2005). **2017**, 49, 3937-3957	21
825	Sensitivity of the Himalayan orography representation in simulation of winter precipitation using Regional Climate Model (RegCM) nested in a GCM. **2017**, 49, 4157-4170	13
824	Bias correction and downscaling of future RCM precipitation projections using a MOS-Analog technique. **2017**, 122, 2631-2648	38
823	Performance of multi-physics ensembles in convective precipitation events over northeastern Spain. **2017**, 190, 55-67	21
822	Assessing the value of simulated regional weather variability in solar forecasting using numerical weather prediction. **2017**, 144, 529-539	21
821	Influence of tropical South Atlantic sea-surface temperatures on the Indian summer monsoon in CMIP5 models. **2017**, 143, 1351-1363	38
820	Impact of urban canopy models and external parameters on the modelled urban energy balance in a tropical city. **2017**, 143, 1581-1596	49
819	Interannual climate variability change during the Medieval Climate Anomaly and Little Ice Age in PMIP3 last millennium simulations. **2017**, 34, 497-508	6
818	On the importance of Major Baltic Inflows for oxygenation of the central Baltic Sea. **2017**, 122, 1090-1101	41

817	Parameter sensitivity analysis and optimization for a satellite-based evapotranspiration model across multiple sites using Moderate Resolution Imaging Spectroradiometer and flux data. **2017**, 122, 230-245	28
816	Ensemble-based Reconstructed Forcing (ERF) for regional climate modeling: Attaining the performance at a fraction of cost. **2017**, 44, 3290-3298	4
815	Verification of 24-h Quantitative Precipitation Forecasts over the Pacific Northwest from a High-Resolution Ensemble Kalman Filter System. **2017**, 32, 1185-1208	7
814	Ecohydrologic considerations for modeling of stable water isotopes in a small intermittent watershed. **2017**, 31, 2438-2452	34
813	An ensemble forecast of semi-arid rainfall using large-scale climate predictors. **2017**, 24, 376-386	36
812	Sensitivity of U.S. summer precipitation to model resolution and convective parameterizations across gray zone resolutions. **2017**, 122, 2714-2733	63
811	A Comparison of Ensemble Strategies for Flash Flood Forecasting: The 12 October 2007 Case Study in Valencia, Spain. **2017**, 18, 1143-1166	13
810	Physical effects of thermal pollution in lakes. **2017**, 53, 3968-3987	25
809	Robustness and Uncertainties of the "Temperature and Greenness" Model for Estimating Terrestrial Gross Primary Production. **2017**, 7, 44046	7
808	Attribution of seasonal leaf area index trends in the northern latitudes with "optimally" integrated ecosystem models. **2017**, 23, 4798-4813	26
807	Usability of the BLRP model for hydrological applications in arid and semi-arid regions with limited precipitation data. **2017**, 3, 539-555	6
806	Improving global terrestrial evapotranspiration estimation using support vector machine by integrating three process-based algorithms. **2017**, 242, 55-74	64
805	Mesoscale modeling of smoke transport from equatorial Southeast Asian Maritime Continent to the Philippines: First comparison of ensemble analysis with in situ observations. **2017**, 122, 5380-5398	14
804	Diffuse solar irradiance estimation on building's façades: Review, classification and benchmarking of 30 models under all sky conditions. **2017**, 77, 783-802	22
803	Combined Radar-Radiometer Surface Soil Moisture and Roughness Estimation. **2017**, 55, 4098-4110	8
802	Spatial interpolation and radiological mapping of ambient gamma dose rate by using artificial neural networks and fuzzy logic methods. **2017**, 175-176, 78-93	16
801	Forecasting climate-driven changes in the geographical range of the European anchovy (Engraulis encrasicolus). **2017**, 74, 1288-1299	10
800	The value of remotely sensed surface soil moisture for model calibration using SWAT. **2017**, 31, 2764-2780	25

799	Comparison between nested grids and unstructured grids for a high-resolution wave forecasting system in the western Mediterranean sea. **2017**, 10, 45-58	5
798	New insights into cycling of 231 Pa and 230 Th in the Atlantic Ocean. **2017**, 468, 27-37	31
797	Evaluation of present-day rainfall simulations over West Africa in CORDEX regional climate models. **2017**, 76, 1	19
796	Investigating dynamic mechanisms for synchronous variation of East Asian and Australian summer monsoons over the last millennium. **2017**, 480, 70-79	6
795	Projected changes in temperature and precipitation indices in Morocco from high-resolution regional climate models. **2017**, 37, 4846-4863	26
794	Nonnegative Matrix Factorization Based Decomposition for Time Series Modelling. **2017**, 604-613	3
793	Performance evaluation of WAVEWATCH III model in the Persian Gulf using different wind resources. **2017**, 67, 839-855	16
792	A novel framework to assess all-round performances of spatiotemporal fusion models. **2022**, 274, 113002	2
791	WRF ensemble dynamical downscaling of precipitation over China using different cumulus convective schemes. **2022**, 271, 106116	0
790	Stress intensity factor prediction on offshore pipelines using surrogate modeling techniques. **2022**, 16, e01045	0
789	Assessing the use of ERA5-Land reanalysis and spatial interpolation methods for retrieving precipitation estimates at basin scale. **2022**, 271, 106131	0
788	Multi-step-ahead solar irradiance modeling employing multi-frequency deep learning models and climatic data. **2022**, 315, 119069	0
787	Performance of HAILCAST and the Lightning Potential Index in simulating hailstorms in Croatia in a mesoscale model âSensitivity to the PBL and microphysics parameterization schemes. **2022**, 272, 106143	0
786	New double decomposition deep learning methods for river water level forecasting.. **2022**, 154722	1
785	Sedimentary organic carbon storage of thermokarst lakes and ponds across Tibetan permafrost region.. **2022**, 154761	0
784	Radiance-based assessment of bulk microphysics models with seven hydrometeor species in forecasting Super-typhoon Lekima (2019) near landfall. **2022**, 273, 106173	3
783	More than six billion people encountering more exposure to extremes with 1.5 °C and 2.0 °C warming. **2022**, 273, 106165	1
782	Precise prediction of performance and emission of a waste derived BiogasâBiodiesel powered DualâFuel engine using modern ensemble Boosted regression Tree: A critique to Artificial neural network. **2022**, 321, 124131	5

781	Climatic Fields of Sea Currents and Wind Waves in the Sea of Azov. **2021**, 501, 976-988	3
780	Large-Scale Afforestation Over the Loess Plateau in China Contributes to the Local Warming Trend. **2022**, 127,	1
779	Evaluating ability of three types of discrete wavelet transforms for improving performance of different ML models in estimation of daily-suspended sediment load. **2022**, 15, 1	0
778	Heterogeneous Trends of Precipitation Extremes in Recent Two Decades over East Africa. **2021**, 35, 1057-1073	0
777	A Comparison Among Some Non-linear Prediction Tools on Indirect Determination of Uniaxial Compressive Strength and Modulus of Elasticity of Basalt. **2022**, 41, 1	3
776	Impact of Initial and Boundary Conditions on Coupled Model Simulations for Bay of Bengal. **2022**, 45, 166-193	0
775	Gap-Filling Eddy Covariance Latent Heat Flux: Inter-Comparison of Four Machine Learning Model Predictions and Uncertainties in Forest Ecosystem. **2021**, 13, 4976	1
774	Impact of Fully Coupled Hydrology-Atmosphere Processes on Atmosphere Conditions: Investigating the Performance of the WRF-Hydro Model in the Three River Source Region on the Tibetan Plateau, China. **2021**, 13, 3409	2
773	Adıyaman ve Gaziantep İstasyonlarındaki Güneşlenme Şiddetinin Destek Vektör Makineleri ile Tahmini.	
772	A Comparison of Machine Learning Methods to Forecast Tropospheric Ozone Levels in Delhi. **2022**, 13, 46	4
771	Will the arid and semi-arid regions of Northwest China become warmer and wetter based on CMIP6 models?. **2022**, 53, 29-50	1
770	Influence of water transpired and irrigation on maize yields for future climate scenarios using Regional Model. **2022**, 23,	1
769	Impact of forcing data and land surface properties on snow simulation in a regional climate model: a case study over the Tianshan Mountains, Central Asia. **2021**, 18, 3147-3164	0
768	Model assessments and future projections of spring climate extremes in China based on CMIP6 models.	0
767	Mean states and future projections of precipitation over the monsoon transitional zone in China in CMIP5 and CMIP6 models. **2021**, 169, 1	1
766	Drought monitoring and prediction using SPI, SPEI, and random forest model in various climates of Iran. **2022**, 13, 383-406	4
765	Combined IASI-NG and MWS observations for the retrieval of cloud liquid and ice water path: a deep learning artificial intelligence approach. **2022**, 1-1	0
764	Reference evapotranspiration prediction using high-order response surface method. **2022**, 148, 849-867	1

763	Modeling waves over the Changjiang River Estuary using a high-resolution unstructured SWAN model. **2022**, 102007	0
762	Evaluation of Hydrodynamic Force Coefficients in Presence of Biofouling on Marine/Offshore Structures, a Review and New Approach. **2022**, 10, 558	0
761	Comprehending the role of different mechanisms and drivers affecting the sea-surface pCO2 and the air-sea CO2 fluxes in the Bay of Bengal: A modeling study. **2022**, 104120	2
760	Case Study: Development of the CNN Model Considering Teleconnection for Spatial Downscaling of Precipitation in a Climate Change Scenario. **2022**, 14, 4719	3
759	Performance evaluations of CMIP6 and CMIP5 models for precipitation simulation over the Hanjiang River Basin, China.	1
758	Impact of climate change on runoff regime of the Godavari River in India. **2022**, 8, 1	0
757	Increased Water Abstraction and Climate Change Have Substantial Effect on Morphometry, Salinity, and Biotic Communities in Lakes: Examples from the Semi-Arid Burdur Basin (Turkey). **2022** , 14, 1241	1
756	Comparative evaluation of deep learning and machine learning in modelling pan evaporation using limited inputs.	1
755	Bias-adjustment of high-resolution temperature CORDEX data over the Carpathian Region: expected changes including the number of summer and frost days.	0
754	Regional modulating behavior of Indian summer monsoon rainfall in context of spatio-temporal variation of drought and flood events. **2022**, 106201	1
753	Winter and spring climate explains a large portion of interannual variability and trend in western U.S. summer fire burned area.	2
752	Evaluation of East Asian Meiyu from CMIP6/AMIP simulations. 1	1
751	Evaluating Atmospheric Correction Algorithms Applied to OLCI Sentinel-3 Data of Chesapeake Bay Waters. **2022**, 14, 1881	3
750	Reconstructing multi-decadal airborne birch pollen levels based on NDVI data and a pollen transport model. **2022**, 320, 108942	
749	Effect of tree demography and flexible root water uptake for modeling the carbon and water cycles of Amazonia. **2022**, 469, 109969	2
748	Wave energy assessment based on reanalysis data calibrated by buoy observations in the southern South China Sea. **2022**, 8, 5067-5079	1
747	Data_Sheet_1.pdf. **2018**,	
746	Data_Sheet_1.PDF. **2019**,	

745	DataSheet1_v1.docx. **2020**,	
744	Data_Sheet_1.pdf. **2020**,	
743	Image_1.TIFF. **2020**,	
742	Image_2.TIFF. **2020**,	
741	Image_3.TIFF. **2020**,	
740	Data_Sheet_1.docx. **2020**,	
739	Image_1.pdf. **2019**,	
738	Data_Sheet_1.PDF. **2020**,	
737	Development of Hybrid Models Using Metaheuristic Optimization Techniques to Predict the Carbonation Depth of Fly Ash Concrete.	0
736	Anti- and Post-COVID-19 Measures Taken by the Czech Government in Relation to the Spatial Distribution of COVID-19 Indicators. **2022**, 507-536	
735	Assessing the Relationship between Freshwater Flux and Sea Surface Salinity. **2022**, 14, 2149	
734	Decomposing oceanic temperature and salinity change using ocean carbon change. **2022**, 18, 523-548	
733	A Comparison of Spectral Bin Microphysics versus Bulk Parameterization in Forecasting Typhoon In-Fa (2021) before, during, and after Its Landfall. **2022**, 14, 2169	1
732	Predicting monthly streamflow using artificial neural networks and wavelet neural networks models. 1	2
731	Precipitation and Temperature Climatologies over India: A Study with AGCM Large Ensemble Climate Simulations. **2022**, 13, 671	
730	Revegetation Does Not Decrease Water Yield in the Loess Plateau of China. **2022**, 49,	3
729	Near-surface soil thermal regime and landâair temperature coupling: a case study over Spain.	
728	Advanced Machine Learning Modeling Approach for Prediction of Compressive Strength of FRP Confined Concrete Using Multiphysics Genetic Expression Programming.. **2022**, 14,	1

727	Hydrogeochemical Evaluation of Groundwater Aquifers and Associated Health Hazard Risk Mapping Using Ensemble Data Driven Model in a Water Scares Plateau Region of Eastern India.	3
726	The Efficiency of Hybrid Intelligent Models in Predicting Fiber-Reinforced Polymer Concrete Interfacial-Bond Strength.. **2022**, 15,	0
725	Prediction of groundwater table for Chennai Region using soft computing techniques. **2022**, 15, 1	1
724	Estimating Land-Use Change Using Machine Learning: A Case Study on Five Central Coastal Provinces of Vietnam. **2022**, 14, 5194	
723	Future Projection of Solar Energy Over China Based on Multi-Regional Climate Model Simulations.	0
722	Evaluating observed and future spatiotemporal changes in precipitation and temperature across China based on CMIP6-GCMs.	2
721	Development of a Deep Learning-Based Prediction Model for Water Consumption at the Household Level. **2022**, 14, 1512	1
720	The effects of spatial and temporal resolution of gridded meteorological forcing on watershed hydrological responses. **2022**, 26, 2245-2276	1
719	Evaluation of Machine Learning versus Empirical Models for Monthly Reference Evapotranspiration Estimation in Uttar Pradesh and Uttarakhand States, India. **2022**, 14, 5771	1
718	Frequency-intensity-distribution bias correction and trend analysis of high-resolution CMIP6 precipitation data over a tropical river basin.	0
717	Statistical learning for NWP post-processing: A benchmark for solar irradiance forecasting. **2022**, 238, 132-149	1
716	Optimal selection of representative climate models and statistical downscaling for climate change impact studies: a case study of Rhode Island, USA.	
715	Evaluation of AMIP models from CMIP6 in simulating winter surface air temperature trends over Eurasia during 1998â2012 based on dynamical adjustment. 1	0
714	A Framework to Identify the Uncertainty and Credibility of GCMs for Projected Future Precipitation: A Case Study in the Yellow River Basin, China. **2022**, 10,	
713	Emotional Artificial Neural Networks and Gaussian Process-Regression-Based Hybrid Machine-Learning Model for Prediction of Security and Privacy Effects on M-Banking Attractiveness. **2022**, 14, 5826	2
712	Intercomparing atmospheric reanalysis products for hydrodynamic and wave modeling of extreme events during the open-water Arctic season. **2022**, 54, 125-146	
711	Electrical conductivity, microstructures, chemical compositions, and systematic multivariable models to evaluate the effect of waste slag smelting (pyrometallurgical) on the compressive strength of concrete.. **2022**,	0
710	Comparison of the Performance of IMERG Products and Interpolation-Based Precipitation Estimates in the Middle Reaches of Yellow River Basin. **2022**, 14, 1503	0

709	Future Land Precipitation Changes Over the North American Monsoon Region Using CMIP5 and CMIP6 Simulations. **2022**, 127,	0
708	Optimized Pilot Point Emplacement Based Groundwater Flow Calibration Method for Heterogeneous Small-Scale Area. **2022**, 12, 4648	0
707	Response of yield, growth traits, and leaf nutrients of garden cress to deficit saline irrigation waters. 1-16	
706	Long-Term Freezing Temperatures Frequency Change Effect on Wind Energy Gain (Eurasia and North America, 1950â2019). **2022**, 14, 5630	0
705	Phytoplankton bloom in the Gulf of Elat/Aqaba physical vs. ecological forcing.	
704	Piecewise-Quantile Mapping Improves Bias Correction of GCM Daily Precipitation towards Preserving Quantiles and Extremes.	2
703	Evaluation of the least square support vector machines (LS-SVM) to predict longitudinal dispersion coefficient.	
702	Extreme Precipitation Indices over the Volta Basin: CMIP6 model evaluation. **2022**, e01181	0
701	Direct and Rectified effects of Tropical Instability Waves on the eastern tropical Pacific mean state in a regional ocean model. **2022**,	0
700	CMIP6 model simulation of concurrent continental warming holes in Eurasia and North America since 1990 and their relation to the Indo-Pacific SST warming. **2022**, 213, 103824	0
699	Sensitivity to Different Reanalysis Data on WRF Dynamic Downscaling for South China Sea Wind Resource Estimations. **2022**, 13, 771	0
698	A novel integrated approach of augmented grey wolf optimizer and ANN for estimating axial load carrying-capacity of concrete-filled steel tube columns. **2022**, 337, 127454	7
697	Characteristics analysis of drought at multiple spatiotemporal scale and assessment of CMIP6 performance over the Huaihe River Basin. **2022**, 41, 101103	0
696	Predicting failure pressure of the corroded offshore pipelines using an efficient finite element based algorithm and machine learning techniques. **2022**, 254, 111382	0
695	Study of mid-latitude retrieval XCO greenhouse gas: Validation of satellite-based shortwave infrared spectroscopy with ground-based TCCON observations.. **2022**, 155513	0
694	Systematic improvement in simulated latent and sensible heat fluxes over tropical oceans in AMIP6 models compared to AMIP5 models with the same resolutions. **2022**, 274, 106214	
693	Compressive Strength Prediction Using Coupled Deep Learning Model with Extreme Gradient Boosting Algorithm: Environmentally Friendly Concrete Incorporating Recycled Aggregate. **2022**, 2022, 1-22	1
692	Long-term behavior and stability of calibration models for NO and NO₂ low-cost sensors. **2022**, 15, 2979-2992	0

691	Projected global warming-induced terrestrial ecosystem carbon across China under SSP scenarios. **2022**, 139, 108963	0
690	Using Analog Ensembles with Alternative Metrics for Hindcasting with Multistations. **2020**, 1, 1-17	6
689	Temporal disaggregation of hourly precipitation under changing climate over the Southeast United States.. **2022**, 9, 211	1
688	Effect of Assimilating SMAP Soil Moisture on CO2 and CH4 Fluxes through Direct Insertion in a Land Surface Model. **2022**, 14, 2405	0
687	Diurnal temperature range variability driven by cloud cover and precipitation in Mongolian Plateau under global warming.	0
686	Development of mathematically motivated hybrid soft computing models for improved predictions of ultimate bearing capacity of shallow foundations. **2022**,	0
685	Estimation of Blast-Induced Peak Particle Velocity through the Improved Weighted Random Forest Technique. **2022**, 12, 5019	0
684	A Short-Term Naturalistic Driving Study on Predicting Comfort Thresholds for Horizontal Curves on Two-Lane Rural Highways. **2022**, 148,	1
683	Modeling of wave run-up by applying integrated models of group method of data handling.. **2022**, 12, 8279	
682	Understanding summer wind systems over the eastern Mediterranean in a high-resolution climate simulation.	0
681	Performance assessment of CMIP5 models in tropical South America using TOPSIS-based method.	
680	Impact of land cover transformation on urban heat islands in Harbin, China. **2022**, 194,	0
679	Transport and Fate of Particulate Organic Nitrogen in Chesapeake Bay: a Numerical Study.	
678	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. **2022**, 13, 861	1
677	Wave analysis based on genetic algorithms using data collected from laboratories at different scales. **2022**,	0
676	Uncertainty estimation of mesh-free and mesh-based simulations of the dynamics of floaters. **2022**, 256, 111386	1
675	On the evaluation of the interfacial tension of immiscible binary systems of methane, carbon dioxide, and nitrogen-alkanes using robust data-driven approaches. **2022**, 61, 11601-11614	
674	GNSS TEC-Based Earthquake Ionospheric Perturbation Detection Using a Novel Deep Learning Framework. **2022**, 15, 4248-4263	

673	A New Hybrid Cryptocurrency Returns Forecasting Method Based on Multiscale Decomposition and an Optimized Extreme Learning Machine Using the Sparrow Search Algorithm. **2022**, 1-1	0
672	Projection of hydrothermal condition in Central Asia under four SSP-RCP scenarios. **2022**, 14, 521-536	
671	Novel combination artificial neural network models could not outperform individual models for weather-based cashew yield prediction.	1
670	Spatial-Temporal Sensitivity Analysis of Flood Control Capability in China Based on MADM-GIS Model. **2022**, 24, 772	0
669	Comparative Analysis of Accuracy, Simplicity and Generality of Temperature-Based Global Solar Radiation Models: Application to the Solar Map of Asturias. **2022**, 14, 6749	
668	Accuracy Assessment of Kriging, artificial neural network, and a hybrid approach integrating spatial and terrain data in estimating and mapping of soil organic carbon. **2022**, 17, e0268658	0
667	Performance evaluation and comparison of observed and reanalysis gridded precipitation datasets over Pakistan.	1
666	Extreme Precipitation in the Eastern Canadian Arctic and Greenland: An Evaluation of Atmospheric Reanalyses. **2022**, 10,	0
665	Summer regional climate simulations over Tibetan Plateau: from gray zone to convection permitting scale.	1
664	Least square support vector machine-based variational mode decomposition: a new hybrid model for daily river water temperature modeling.	0
663	Future Changes in Extreme Precipitation in Central Asia with 1.5â‍ °C Global Warming Based on CMIP6 Simulations.	1
662	Global air-sea CO2 exchange flux since 1980s: results from CMIP6 Earth System Models.	0
661	Enhanced interannual variability in temperature during the Last Glacial Maximum. **2022**, 1-43	
660	A New Algorithm for Estimating Low Cloud Base Height in Southwest China. **2022**,	
659	Predicting daily soil temperature at multiple depths using hybrid machine learning models for a semi-arid region in Punjab, India.	1
658	Differences in extremes and uncertainties in future runoff simulations using SWAT and LSTM for SSP scenarios. **2022**, 156162	0
657	Evaluation of CMIP6 models in the representation of observed extreme temperature indices trends in South America. **2022**, 172,	0
656	Predictive skill of North American Multi-Model Ensemble seasonal forecasts for the climate rainfall over Central Africa. **2022**, 29,	

655	Prediction of Rock Strain Using Hybrid Approach of Ann and Optimization Algorithms.	1
654	A framework for detection and attribution of regional precipitation change: Application to the United States historical record.	
653	Comparing the Soil Conservation Service model with new machine learning algorithms for predicting cumulative infiltration in semi-arid regions. **2022**,	0
652	Land use and cover change in Northeast China and its impacts on the Xing'an permafrost in 1980-2020.	
651	Observation-based global soil heterotrophic respiration indicates underestimated turnover and sequestration of soil carbon by terrestrial ecosystem models.	0
650	Predicting and validating the load-settlement behavior of large-scale geosynthetic-reinforced soil abutments using hybrid intelligent modeling. **2022**,	0
649	Multi-strategy Slime Mould Algorithm for hydropower multi-reservoir systems optimization. **2022**, 250, 109048	0
648	Machine learning for cation exchange capacity prediction in different land uses. **2022**, 216, 106404	1
647	Data-Driven Mapping With Prediction Neural Network for the Future Wide-Swath Satellite Altimetry. 8,	0
646	Coastal buoy observation of air-sea net heat flux in the East China Sea in summer 2020. **2022**, 40, 907-921	
645	Evaluation and comparison of CMIP6 and CMIP5 model performance in simulating the runoff.	2
644	Data-oriented prediction of rocksâ€Mohrâ€Coulomb parameters.	0
643	Evaluation of CMIP6 models toward dynamical downscaling over 14 CORDEX domains.	1
642	Expected contraction in the distribution ranges of demersal fish of high economic value in the Mediterranean and European Seas. **2022**, 12,	0
641	Simulation and projection of climate extremes in China by multiple CMIP6 models.	1
640	Information entropy-based projection of temperature variability under the warming trend in China.	
639	Comparison of Projections of Precipitation over Yangtze River Basin of China by Different Climate Models. **2022**, 14, 1888	1
638	Evaluation of CMIP6 models for simulations of surplus/deficit summer monsoon conditions over India.	1

637	Prospective analysis of spatial heterogeneity influence on the concordance of remote sensing drought indices: a case of semi-arid agrosystems in Morocco (Moulouya and Tensift watersheds). 1-21	2
636	ERA5 and ERA-Interim Data Processing for the GlobWat Global Hydrological Model. **2022**, 14, 1950	
635	Bayesian retro- and prospective assessment of CMIP6 climatology in Pan Third Pole region.	0
634	Quantifying the impact of precipitation-type algorithm selection on the representation of freezing rain in an ensemble of regional climate model simulations. **2022**,	0
633	Prediction of the groundwater quality index through machine learning in Western Middle Cheliff plain in North Algeria.	0
632	Validation of turbulent heat transfer models against eddy covariance flux measurements over a seasonally ice-covered lake. **2022**, 15, 4739-4755	
631	Seasonal oceanographic changes and their implications for the abundance of small pelagic fishes in the southern South China Sea. **2022**, 102499	
630	Implementation and evaluation of open boundary conditions for sea ice in a regional coupled ocean (ROMS) and sea ice (CICE) modeling system. **2022**, 15, 4373-4392	
629	Circulation Patterns and Associated Rainfall Over South Tropical South America: GCMs Evaluation During the Dry-To-Wet Transition Season. **2022**, 127,	1
628	Calibration of deterministic NWP forecasts and its impact on verification. **2022**,	0
627	Evaluation of Data-driven Hybrid Machine Learning Algorithms for Modelling Daily Reference Evapotranspiration. 1-22	1
626	Evaluation of Observed and Future Climate Change Projection for Uttarakhand, India, Using CORDEX-SA. **2022**, 13, 947	0
625	Ocean biogeochemistry in the Canadian Earth System Model version 5.0.3: CanESM5 and CanESM5-CanOE. **2022**, 15, 4393-4424	2
624	Northward migration of the East Asian summer monsoon northern boundary during the twenty-first century. **2022**, 12,	1
623	How Well Does the ERA5 Reanalysis Capture the Extreme Climate Events Over China? Part I: Extreme Precipitation. 10,	0
622	Pipeline Corrosion Prediction Using the Grey Model and Artificial Bee Colony Algorithm. **2022**, 11, 289	
621	Reliability of satellite-derived precipitation data in driving hydrological simulations: a case study of the upper Huaihe River basin, China. **2022**, 128076	
620	Potential changes in temperature extreme events under global warming at 1.5°C and 2°C over Côte dâIvoire.	0

619	Estimation of reference evapotranspiration via machine learning algorithms in humid and semiarid environments in Khyber Pakhtunkhwa, Pakistan.	
618	Impact of stratospheric aerosol intervention geoengineering on surface air temperature in China: a surface energy budget perspective. **2022**, 22, 7667-7680	1
617	Developing hybrid data-intelligent method using Boruta-random forest optimizer for simulation of nitrate distribution pattern. **2022**, 270, 107715	0
616	Mass appraisal as affordable public policy: Open data and machine learning for mapping urban land values. **2022**, 119, 106211	1
615	Quantitative assessment of the parameterization sensitivity of the WRF/Noah-MP model of snow dynamics in the Tianshan Mountains, Central Asia. **2022**, 277, 106310	0
614	Evaluation of climate variability and change in ACCESS historical simulations for CMIP6. **2022**,	0
613	Rock Strength Estimation Using Several Tree-Based ML Techniques. **2022**, 1-26	1
612	Quality of Soil Simulation by the INM RASâMSU Soil Scheme as a Part of the SL-AV Weather Prediction Model. **2022**, 47, 159-173	1
611	Hydrological Evaluation of Satellite-Based Precipitation Products in Hunan Province. **2022**, 14, 3127	0
610	Salinity-constituent conversion in South Sacramento-San Joaquin Delta of California via machine learning.	0
609	Prediction of soil cation exchange capacity using enhanced machine learning approaches in the southern region of the Caspian Sea. **2022**, 101876	0
608	Downscaling Satellite Soil Moisture Using a Modular Spatial Inference Framework. **2022**, 14, 3137	
607	Pre- and post-dam river water temperature alteration prediction using advanced machine learning models.	3
606	Thermal Structure of Water Exchange at the Entrance of a Tide-Dominated Strait. **2022**, 14, 3053	
605	Prediction of Glacially Derived Runoff in the Muzati River Watershed Based on the PSO-LSTM Model. **2022**, 14, 2018	0
604	Novel Hybrid Statistical Learning Framework Coupled with Random Forest and Grasshopper Optimization Algorithm to Forecast Pesticide Use on Golf Courses. **2022**, 12, 933	0
603	Performance Evaluation and Future Projection of East Asian Climate using SSP Scenario-based CORDEX-East Asia Phase 2 Multi-RCM Simulations. **2022**, 13, 339-354	
602	Evaluation of Satellite-Based Air Temperature Estimates at Eight Diverse Sites in Africa. **2022**, 10, 98	0

601	Application of the permutation method to the assessment of predictive ability of the models of spatial distribution of copper and iron concentrations in the topsoil. **2022**, 42-53	
600	Spatio-Temporal Variation of Precipitation in the Qinling Mountains from 1970 to 2100 Based on CMIP6 Data. **2022**, 14, 8654	1
599	An ensemble multi-step M-RMLSSVR model based on VMD and two-group strategy for day-ahead short-term load forecasting. **2022**, 109440	1
598	Projected mean and extreme precipitation based on bias-corrected simulation outputs of CORDEX Southeast Asia. **2022**, 100484	1
597	Regulation of Synoptic Circulation in Regional PM 2.5 Transport for Heavy Air Pollution: Study of 5-year Observation Over Central China. **2022**, 127,	1
596	Are Artificial Barrages Necessary to Prevent Saline Incursion? A Modelling Approach to Restore the Healthy Ecosystem of the Vembanad Lake.	0
595	On the Influences of Urbanization on the Extreme Rainfall over Zhengzhou on 20 July 2021: A Convection-Permitting Ensemble Modeling Study.	1
594	Three-dimensional numerical simulation of basin-scale internal waves in a long narrow lake.	
593	Evaluation of surface meteorology parameters and heat fluxes from CFSR and ERA5 over the Pacific Arctic Region.	
592	A universal dynamical metabolic model representing mixotrophic growth of Chlorella sp.	
591	Comparison of climate model large ensembles with observations in the Arctic using simple neural networks.	0
590	Global/Regional Impacts on Present and Near-Future Climate Regimes in the Metropolitan Region of Belĥ, Eastern Amazon. **2022**, 13, 1077	0
589	Variability in the Global Ocean Carbon Sink From 1959 to 2020 by Correcting Models With Observations. **2022**, 49,	1
588	Modeling and optimization of coagulant dosage ĩn water treatment plants´using hybridized random forest model with genetic algorithm optimization.	0
587	On the Use of Gridded Data Products for Trend Assessment and Aridity Classification in a Mediterranean Context: The Case of the Apulia Region. **2022**, 14, 2203	1
586	Changes in Extreme Temperature Events and Their Contribution to Mean Temperature Changes during Historical and Future Periods over Mainland China. **2022**, 13, 1127	
585	Development of a Clear-Sky 3D Sub-Grid Terrain Solar Radiative Effect Parameterization Scheme Based on the Mountain Radiation Theory. **2022**, 127,	2
584	INVESTIGATION INTO THE UNCERTAINTY OF INITNIAL AND BOUNDARY CONDITIONS IN THE HINDCAST OF FLOW FIELDS OVER URBAN AREA USING A MESO-SCALE NUMERICAL WEATHER PREDICTION MODEL. **2022**, 87, 460-471	

583	Advantages of a variable-resolution global climate model in reproducing the seasonal evolution of East Asian summer monsoon.	0
582	Estimation of monthly global solar radiation over twelve major cities of Libya. **2022**,	0
581	Impact of the Ensemble Kalman Filter based Coupled Data Assimilation System on Seasonal Prediction of Indian Summer Monsoon Rainfall.	0
580	Evaluation of simulated soil moisture and temperature for a Canadian boreal forest. **2022**, 323, 109078	1
579	Modified temperature-based global solar radiation models for estimation in regions with scarce experimental data. **2022**, 268, 115950	0
578	Multi-model ensemble prediction of pan evaporation based on the Copula Bayesian Model Averaging approach. **2022**, 114, 105124	6
577	Analysis of two sources of variability of basin outflow hydrographs computed with the 2D shallow water model Iber: Digital Terrain Model and unstructured mesh size. **2022**, 612, 128182	1
576	Development of hybrid models using metaheuristic optimization techniques to predict the carbonation depth of fly ash concrete. **2022**, 346, 128483	0
575	Exploring the specific heat capacity of water-based hybrid nanofluids for solar energy applications: A comparative evaluation of modern ensemble machine learning techniques. **2022**, 54, 105230	6
574	Multivariate regression (MVR) and different artificial neural network (ANN) models developed for optical transparency of conductive polymer nanocomposite films. **2022**, 207, 117937	0
573	A soft computing technique for predicting flexural strength of concrete containing nano-silica and calcium carbide residue. **2022**, 17, e01288	
572	Dynamical downscaling of temperature extremes over China using the WRF model driven by different lateral boundary conditions. **2022**, 278, 106348	0
571	Improving accuracy of neuro fuzzy and support vector regression for drought modelling using grey wolf optimization. 1-16	0
570	Future changes of East Asian extratropical cyclones in the CMIP5 models. **2022**, 1-23	0
569	Reconstruction of Hydrometeorological Data Using Dendrochronology and Machine Learning Approaches to Bias-Correct Climate Models in Northern Tien Shan, Kyrgyzstan. **2022**, 14, 2297	
568	Evaluating vertical velocity retrievals from vertical vorticity equation constrained dual-Doppler analysis of real, rapid-scan radar data. **2022**,	
567	Climate change projection over Mainland Southeast Asia and the Lancang-Mekong River basin based on a set of RegCM4 simulations.	
566	A Year-Long Total Lightning Forecast over Italy with a Dynamic Lightning Scheme and WRF. **2022**, 14, 3244	

565	The potential impact of model horizontal resolution on the simulation of atmospheric cloud radiative effect in CMIP6 models. **2022**, 33,	0
564	Representation of Atmospheric Water Budget and Uncertainty Quantification of Future Changes in CMIP6 for the Seven U.S. National Climate Assessment Regions. **2022**, 1-46	
563	Consistency and uncertainty of gridded terrestrial evapotranspiration estimations over China. **2022** , 128245	0
562	Weather Files for the Calibration of Building Energy Models. **2022**, 12, 7361	0
561	Cascade reservoirs adaptive refined simulation model based on the mechanism-AI coupling modeling paradigm. **2022**, 612, 128229	0
560	Modelling hydrological strength and alteration in moribund deltaic India. **2022**, 319, 115679	
559	Coupled data pre-processing approach with data intelligence models for monthly precipitation forecasting.	
558	Spatial distribution differences of 25-hydroxyvitamin D in healthy elderly people under the influence of geographical environmental factors. **2022**, 12,	
557	A Hybrid SVR-Based Prediction Model for the Interfacial Bond Strength of Externally Bonded FRP Laminates on Grooves with Concrete Prisms. **2022**, 14, 3097	0
556	Modelling monthly pan evaporation utilising Random Forest and deep learning algorithms. **2022**, 12,	1
555	Integrated Validation of Coarse Remotely Sensed Evapotranspiration Products over Heterogeneous Land Surfaces. **2022**, 14, 3467	0
554	Future Changes in Precipitation Over Northern Europe Based on a Multi-model Ensemble from CMIP6: Focus on Tana River Basin.	
553	Modeling the Effects of Climate Change and Land Use/Land Cover Change on Sediment Yield in a Large Reservoir Basin in the East Asian Monsoonal Region. **2022**, 14, 2346	0
552	Modelling Compression Strength of Waste PET and SCM Blended Cementitious Grout Using Hybrid of LSSVM Models. **2022**, 15, 5242	1
551	Evaluation of Gridded Precipitation Data for Hydrologic Modeling in North-Central Texas. **2022**, 14, 3860	1
550	Bias correction, historical evaluations, and future projections of climate simulations in the Wei River Basin using CORDEX-EA.	
549	Projection of Future Extreme Precipitation in China Based on the CMIP6 from a Machine Learning Perspective. **2022**, 14, 4033	0
548	Four-parameter kappa distribution for modeling precipitation extremes: a practical simplified method for parameter estimation in light of the L-moment.	0

547	Modeling the sea-surface pCO2 of the central Bay of Bengal region using machine learning algorithms. **2022**, 102094	0
546	The Coupling of Soil Water and Leaf Phenology Observed by Satellite During Australian Bushfires in 2019â2020. **2022**, 127,	
545	Estimation and uncertainty analysis of groundwater quality parameters in a coastal aquifer under seawater intrusion: a comparative study of deep learning and classic machine learning methods.	
544	Comparisons between CMIP5 and CMIP6 models in simulations of the climatology and interannual variability of the east asian summer Monsoon.	
543	Lagrangian Particle Dispersion Models in the Grey Zone of Turbulence: Adaptations to FLEXPART-COSMO for Simulations at 1 km Grid Resolution.	0
542	North Pacific trade wind precursors to ENSO in the CMIP6 HighResMIP multimodel ensemble.	0
541	Benchmarking global hydrological and land surface models against GRACE in a medium-sized tropical basin. **2022**, 26, 4323-4344	0
540	On the Pacific Decadal Oscillation Simulations in CMIP6 Models: A New Test-Bed from Climate Network Analysis.	0
539	Deep learning CNN-LSTM-MLP hybrid fusion model for feature optimizations and daily solar radiation prediction. **2022**, 111759	1
538	Prediction of PM2.5 concentrations using soft computing techniques for the megacity Delhi, India.	0
537	Prediction of hydropower generation via machine learning algorithms at three Gorges Dam, China. **2022**, 101919	0
536	Comparison between CMIP5 and CMIP6 Models over MENA Region Using Historical Simulations and Future Projections. **2022**, 14, 10375	1
535	Future projections of extreme temperature events in Southwest China using nine models in CMIP6. 10,	0
534	Performance Evaluation of Six Gridded Precipitation Products throughout Iran Using Ground Observations over the Last Two Decades (2000â2020). **2022**, 14, 3783	1
533	Evaluation of the CMIP6 precipitation simulations over global land.	1
532	Impact of climate change on site characteristics of eight major astronomical observatories using high-resolution global climate projections until 2050. Projected increase in temperature and humidity leads to poorer astronomical observing conditions.	0
531	Assessment of Drought Hazard Change in China under 2 ?, 3 ? and 4 ? Temperature Rise Scenarios Based on CMIP6 Models.	
530	Temperature variations in the northern Gulf of Alaska across synoptic to century-long time scales. **2022**, 105155	0

529	Impacts of Horizontal Resolution of the Lateral Boundary Conditions and Downscaling Method on the Performance of RegCM4.6 in Simulating the Surface Climate Over Central-Eastern China. **2022**, 9,	0
528	Improved skill of Coupled Model Intercomparison Project phase 6 over phase 5 models in reproducing weather regimes in East Asia.	
527	Improving the accuracy of satellite and reanalysis precipitation data by their ensemble usage. **2022**, 12,	
526	Metrics as tools for bridging climate science and applications.	
525	Developing numerical equality to regional intensityâDurationâFrequency curves using evolutionary algorithms and multi-gene genetic programming.	1
524	Summertime Rossby waves in climate models: substantial biases in surface imprint associated with small biases in upper-level circulation. **2022**, 3, 905-935	1
523	Assessment of enhanced Kohonen self-organizing map, quantile mapping and copula-based bias-correction approaches for constructing basin-scale rainfall forecasts. 1-16	0
522	Evaluation of Chlorophyll-a estimation using Sentinel 3 based on various algorithms in southern coastal Vietnam. **2022**, 112, 102951	
521	Daily average relative humidity forecasting with LSTM neural network and ANFIS approaches.	
520	Warming Climate and Elevated CO2 Will Enhance Future Winter Wheat Yields in North China Region. **2022**, 13, 1275	
519	Evaluation of CORDEX-SEA Models on Wind Simulation during the Southwest Monsoon in the Southwestern Part of the South China Sea. **2022**, 13, 1303	
518	Evaluation of atmospheric circulations for dynamic downscaling in CMIP6 models over East Asia.	
517	Aerosol-radiation interaction in the operational atmospheric chemistry model GRAPES_Meso5.1/CUACE and its impacts on mesoscale NWP in Beijing-Tianjin-Hebei, China. **2022**, 106402	0
516	Performance evaluation of CORDEX South Asia models for projections of precipitation over the Kabul basin, Afghanistan. **2022**, 108,	1
515	Numerical Errors in Ice Microphysics Parameterizations and their Effects on Simulated Regional Climate.	1
514	A perfect model study on the reliability of the added small-scale information in regional climate change projections.	
513	Modelling wind speed across Zambia: Implications for wind energy.	1
512	Validation of the Aeolus Level-2B wind product over Northern Canada and the Arctic. **2022**, 15, 4443-4461	0

511	Future projections of daily maximum and minimum temperatures over East Asia for the carbon neutrality period of 2050-2060.	
510	Spatiotemporal Evaluation and Estimation of Precipitation of Multi-Source Precipitation Products in Arid Areas of Northwest ChinaâA Case Study of Tianshan Mountains. **2022**, 14, 2566	0
509	National soil organic carbon map of agricultural lands in Nepal. **2022**, 30, e00568	0
508	UAV-based multispectral and thermal cameras to predict soil water content âA machine learning approach. **2022**, 200, 107262	3
507	The impact of GGBS and ferrous on the flow of electrical current and compressive strength of concrete. **2022**, 349, 128639	1
506	Performance evaluation of CORDEX-Africa regional climate models in simulating climate variables over Ethiopian main rift valley: Evidence from Gidabo river basin for impact modeling studies. **2022**, 99, 101317	0
505	Bagging and Multilayer Perceptron Hybrid Intelligence Models Predicting the Swelling Potential of Soil. **2022**, 36, 100797	0
504	Multi-step daily forecasting of reference evapotranspiration for different climates of India: A modern multivariate complementary technique reinforced with ridge regression feature selection. **2022**, 272, 107812	0
503	The capability of CMIP6 models on seasonal precipitation extremes over Central Asia. **2022**, 278, 106364	0
502	Surface air temperature changes over the Tibetan Plateau: Historical evaluation and future projection based on CMIP6 models. **2022**, 13, 101452	
501	Attention enhanced hybrid model for spatiotemporal short-term forecasting of particulate matter concentrations. **2022**, 86, 104112	1
500	A successful candidate strategy with Runge-Kutta optimization for multi-hydropower reservoir optimization. **2022**, 209, 118383	1
499	Evaluation of multi-satellite precipitation products in estimating precipitation extremes over mainland China at annual, seasonal and monthly scales. **2022**, 279, 106387	1
498	Threats of soil erosion under CMIP6 SSPs scenarios: An integrated data mining techniques and geospatial approaches. 1-34	0
497	Predicting Subgrade Resistance Value of Hydrated Lime-Activated Rice Husk Ash-Treated Expansive Soil: A Comparison between M5P, Support Vector Machine, and Gaussian Process Regression Algorithms. **2022**, 10, 3432	0
496	Assessment of CMIP6 models' performance in simulating present-day climate in Brazil. 4,	0
495	A coupled WRF-PV mesoscale model simulating the near-surface climate of utility-scale photovoltaic plants. **2022**, 245, 278-289	0
494	Hydroclimatic intensity change in China during the past decades and its future trend based on CMIP5/6. **2022**, 613, 128437	0

493	Plant-scale biogas production prediction based on multiple hybrid machine learning technique. **2022**, 363, 127899	0
492	Comparison of neural network, Gaussian regression, support vector machine, long short-term memory, multi-gene genetic programming, and M5 Trees methods for solving civil engineering problems. **2022**, 129, 109623	0
491	Estimation of eggplant yield with machine learning methods using spectral vegetation indices. **2022**, 202, 107367	1
490	Air quality monitoring based on chemical and meteorological drivers: Application of a novel data filtering-based hybridized deep learning model. **2022**, 374, 134011	0
489	Hydrogeochemical characterization based water resources vulnerability assessment in India's first Ramsar site of Chilka lake. **2022**, 184, 114107	1
488	Evaluation of satellite and reanalysis estimates of surface and root-zone soil moisture in croplands of Jiangsu Province, China. **2022**, 282, 113283	0
487	Verification of ERA5 and ERA-Interim precipitation over Africa at intra-annual and interannual timescales. **2022**, 280, 106427	0
486	Third international challenge to model the medium- to long-range transport of radioxenon to four Comprehensive Nuclear-Test-Ban Treaty monitoring stations. **2022**, 255, 106968	0
485	Spatial biases revealed by LiDAR in a multiphysics WRF ensemble designed for offshore wind. **2023**, 262, 125346	0
484	Serial-parallel dynamic echo state network: A hybrid dynamic model based on a chaotic coyote optimization algorithm for wind speed prediction. **2023**, 212, 118789	0
483	Deriving Local Nusselt Number Correlations for Heat Transfer of Nanofluids by Genetic Programming.	0
482	Estimating the incubated river water quality indicator based on machine learning and deep learning paradigms: BOD₅ Prediction. **2022**, 19, 12744-12773	0
481	Cross-jurisdictional larval supply essential for eastern Australian spanner crabs (Ranina ranina). **2022**,	0
480	Two-Stage Hybrid Deep Learning with Strong Adaptability for Detailed Day-ahead Photovoltaic Power Forecasting. **2022**, 1-13	0
479	Future Projections of Atmospheric Icing in Norway.	0
478	An Attempt to Forecast Seasonal Precipitation in the Comahue River Basins (Argentina) to Increase Productivity Performance in the Region. **2022**, 97-126	0
477	Impact of Aerodynamic Temperature Over Et Estimates from an Energy-Water Balance Model.	0
476	Accurate Prediction of Plant-Scale Biogas Production Based on Multiple Hybrid Machine Learning.	0

475	Selection of CMIP6 representative climate models and downscaling in Northern Nigeria.	0
474	Estimation of daily evaporation from shallow groundwater using empirical models with a temperature coefficient. **2022**,	0
473	Satellite-based evaluation of AeroCom model bias in biomass burning regions. **2022**, 22, 11009-11032	0
472	Frost Conditions Due to Climate Change in South-Eastern Europe via a High-Spatiotemporal-Resolution Dataset. **2022**, 13, 1407	1
471	Assessment of CMIP5 and CORDEX-SA experiments in representing multiscale temperature climatology over central India. **2022**, 17, 1923-1936	0
470	A convection-permitting and limited-area model hindcast driven by ERA5 data: precipitation performances in Italy.	0
469	Evaluating Monthly Flow Prediction Based on SWAT and Support Vector Regression Coupled with Discrete Wavelet Transform. **2022**, 14, 2649	1
468	Evaluation of the CMIP6 Performance in Simulating Precipitation in the Amazon River Basin. **2022**, 10, 122	0
467	Modelling the Pm2.5 concentration in cities with high traffic noise using artificial intelligence-based ensemble approach.	0
466	Predicting Modified Fournier Index by Using Artificial Neural Network in Central Europe. **2022**, 19, 10653	0
465	Future Projections of Precipitation using BiasâCorrected HighâResolution Regional Climate Models for SubâRegions with Homogeneous Characteristics in South Korea.	0
464	Insight into historical and future spring snow cover from satellite observation and model simulations over the Northern Hemisphere.	0
463	Comparison of Urban Canopy Schemes and Surface Layer Schemes in the Simulation of a Heatwave in the Xiongan New Area. **2022**, 13, 1472	0
462	Cloud Response Is Significantly Biased by CMIP6 Over the Tibetan Plateau. **2022**, 49,	0
461	Improving the WRF Forecast of Landfalling Tropical Cyclones Over the Asia-Pacific Region by Constraining the Cloud Microphysics Model With GPM Observations. **2022**, 49,	1
460	Typhoon Wave Simulation Responses to Various Reanalysis Wind Fields and Computational Domain Sizes. **2022**, 10, 1360	1
459	Evaluating Long-Term Variability of the Arctic Stratospheric Polar Vortex Simulated by CMIP6 Models. **2022**, 14, 4701	0
458	Performance of CMIP6 models in simulating the dynamic sea level: Mean and interannual variance. **2022**, 100288	1

457	The development of dissolved oxygen forecast model using hybrid machine learning algorithm with hydro-meteorological variables.	0
456	Ocean biogeochemical modelling. **2022**, 2,	2
455	Suspended sediment load prediction using hybrid bagging-based heuristic search algorithm. 1-28	0
454	Multiple gridded-based precipitation products' performance in Sudan's different topographical features and the influence of the Atlantic Multidecadal Oscillation on rainfall variability in recent decades.	0
453	Neurocomputing intelligence models for lakes water level forecasting: a comprehensive review.	0
452	Assessment of the Diffuse Attenuation Coefficient of Photosynthetically Active Radiation in a Chilean Lake. **2022**, 14, 4568	3
451	An intelligent soft computing technique for prediction of vehicular traffic noise. **2022**, 15,	0
450	Multiple Statistical Model Ensemble Predictions of Residual Chlorine in Drinking Water: Applications of Various Deep Learning and Machine Learning Algorithms. **2022**, 2022, 1-15	0
449	Compensating Errors in Cloud Radiative and Physical Properties over the Southern Ocean in the CMIP6 Climate Models.	0
448	Improving the thermal efficiency of a solar flat plate collector using MWCNT-Fe3O4/water hybrid nanofluids and ensemble machine learning. **2022**, 102448	3
447	Climate and Aridity Measures Relationships with Spectral Vegetation Indices across Desert Fringe Shrublands in the South-Eastern Mediterranean Basin.	0
446	Investigation of the uncertainty of initial and boundary conditions in the hindcasts of flow fields over urban areas using a mesoscale numerical weather prediction model.	0
445	A New Method for the Evaluation and Visualization of Air Pollutant Level Predictions. **2022**, 13, 1456	0
444	Evaluation of Soil Moisture in CMIP6 Multimodel Simulations Over Conterminous China. **2022**, 127,	1
443	Added Value of Bias Adjusted and statistical downscaled ISIMIP Models in Simulating Extreme Precipitation Characteristics over West Africa.	0
442	Assessing Ground Vibration Caused by Rock Blasting in Surface Mines Using Machine-Learning Approaches: A Comparison of CART, SVR and MARS. **2022**, 14, 11060	1
441	Simulating the Chesapeake Bay breeze: sensitivities to water surface temperature. **2022**,	0
440	The BEAP Teleconnection and Its Relationship With ENSO in CMIP6: Present and Future Projections. **2022**, 127,	0

439	Evaluation of different parameterization schemes in the WRF model for assessment of meteorological conditions over an industrial region in South-East India.	0
438	Assessment of the uncertainty and interpretability of deep learning models for mapping soil salinity using DeepQuantreg and game theory. **2022**, 12,	0
437	Projection of future climate change in the Poyang Lake Basin of China under the global warming of 1.5â℃. 10,	0
436	A first step towards a IoT-based local early warning system for an unsaturated slope in Norway.	0
435	Forecasting of solar radiation using different machine learning approaches.	0
434	Prediction of Multi-Scale Meteorological Drought Characteristics over the Yangtze River Basin Based on CMIP6. **2022**, 14, 2996	0
433	Long-Term Performance Evaluation of the Latest Multi-Source Weighted-Ensemble Precipitation (MSWEP) over the Highlands of Indo-Pak (1981â2009). **2022**, 14, 4773	0
432	Tuning ANN Hyperparameters by CPSOCGSA, MPA, and SMA for Short-Term SPI Drought Forecasting. **2022**, 13, 1436	0
431	Changes in Early Summer Precipitation Characteristics Over South China and Taiwan: CESM2-LE and CMIP6 Multi-Model Simulations and Projections. **2022**, 127,	0
430	Hybrid COOTâANN: a novel optimization algorithm for prediction of daily reference evapotranspiration in Australia.	0
429	Deep Learning provides substantial improvements to county-level fire weather forecasting over the western United States.	0
428	On the simulation of northeast monsoon rainfall over southern peninsular India in CMIP5 and CMIP6 models.	0
427	Assessment of future possible maximum flooding extent in the midwestern coastal region of Taiwan resulting from sea-level rise and land subsidence. **2022**, 4, 095007	1
426	Validation and Comparison of Climate Reanalysis Data in the East Asian Monsoon Region. **2022**, 13, 1589	0
425	Comparison of Satellite Precipitation Products: IMERG and GSMaP with Rain Gauge Observations in Northern China. **2022**, 14, 4748	2
424	Improvements in the relationship between tropical precipitation and sea surface temperature from CMIP5 to CMIP6.	0
423	Design a regional and multistep air quality forecast model based on deep learning and domain knowledge. 10,	0
422	Evaluation of meteorological reanalysis data over the tropical Western Indian Ocean based on buoy observations in 2022. **2022**, 102285	0

421	LPJ-GUESS/LSMv1.0: a next-generation land surface model with high ecological realism. **2022**, 15, 6709-6745	1
420	The Future Change in Evaporation Based on the CMIP6 Merged Data Generated by Deep-Learning Method in China. **2022**, 14, 2800	0
419	A Wavelet PM2.5 Prediction System Using Optimized Kernel Extreme Learning with Boruta-XGBoost Feature Selection. **2022**, 10, 3566	0
418	Developing an Integrative Data Intelligence Model for Construction Cost Estimation. **2022**, 2022, 1-18	1
417	Evaluation and Optimization of Snow Albedo Scheme in Noah-MP Land Surface Model Using In Situ Spectral Observations in the Colorado Rockies. **2022**, 14,	0
416	Developing a Lagrangian sediment transport model for open channel flows. **2022**,	0
415	Passive ground-based remote sensing of radiation fog. **2022**, 15, 5095-5115	1
414	Evaluation of soil carbon simulation in CMIP6 Earth system models. **2022**, 19, 4671-4704	0
413	Evaluation of CMIP6 GCMs over the CONUS for downscaling studies.	2
412	Cloud Climatologies from Global Climate Models â A Comparison of CMIP5 and CMIP6 Models with Satellite Data. **2022**, 1-53	0
411	Comparing extremes indices in recent observational and reanalysis products. 4,	0
410	Explicit Physical Knowledge in Machine Learning for Ocean Carbon Flux Reconstruction: The pCO 2 -Residual Method. **2022**, 14,	0
409	Role of ocean circulation and settling of particulate organic matter in the decoupling between the oxygen minimum zone and the phytoplankton productive zone in the Arabian Sea: A modeling study. 9,	0
408	Predictive modelling physico-chemical properties groundwater in coastal plain area of Vinh Linh and Gio Linh districts of Quang Tri Province, Vietnam.	0
407	Regime Shift in Annual Nitrate Concentration in the Upper Southern Chukchi Borderland Responded to the Westward Shift of the Beaufort Gyre. **2022**, 127,	0
406	Skill assessment of Saudi-KAU and C3S models in prediction of spring season rainfall over the Arabian Peninsula. **2022**, 106461	0
405	Sequential Bayesian update to detect the most likely tsunami scenario using observational wave sequences.	0
404	Improving Dynamic Vegetation Modeling in Noah-MP by Parameter Optimization and Data Assimilation over Chinaâ Loess Plateau.	1

403	Inter-model Spread of the Simulated East Asian Summer Monsoon Rainfall and the Associated Atmospheric Circulations from the CMIP6 Models.	1
402	Coupled Model Intercomparison Project Phase 6 simulations of the spatial structure of rainfall variability over East Africa: Evaluation and projection.	1
401	A feature-based adaptive combiner for coupling meta-modelling techniques to increase accuracy of river flow prediction.	0
400	Spatial prediction of soil micronutrients using machine learning algorithms integrated with multiple digital covariates.	0
399	Assessment of the impact of climate change on urban flooding: a case study of Beijing, China.	1
398	Investigating future changes in precipitation interannual variability and extremes over southern China.	0
397	Experimental and computational assessment of wetting pattern for two-layered soil profiles in pulse drip irrigation: Designing a novel optimized bidirectional deep learning paradigm. **2022**, 614, 128496	0
396	Evaluation of the carbon sequestration of Zhalong Wetland under climate change. **2021**, 31, 938-964	1
395	Extreme Wind-Wave Characteristics in the North Indian Ocean in a Changing Climate. **2022**, 223-280	0
394	Diagnosing the Combined Impact of Climate and Land Use Land Cover Changes on the Streamflow in a Mountainous Watershed. **2022**, 343-357	0
393	A transformer neural network for predicting near-surface temperature. **2022**, 29,	0
392	Exploring Large Scale Data Analysis and Visualization for Atmospheric Radiation Measurement Data Discovery Using NoSQL Technologies. **2022**, 237-252	0
391	Higher Heat Stress Increases the Negative Impact on Rice Production in South China: A New Perspective on Agricultural Weather Index Insurance. **2022**, 13, 1768	0
390	Data-Based Flow Rate Prediction Models for Independent Metering Hydraulic Valve. **2022**, 15, 7699	1
389	Projected wind changes in the Caribbean Sea based on CMIP6 models.	0
388	Effects of the Long-Term Climate Change and Selective Discharge Schemes on the Thermal Stratification of a Large Deep Reservoir, Xinâ□njiang Reservoir, China. **2022**, 14, 3279	0
387	Tsunami Early Warning From Global Navigation Satellite System Data Using Convolutional Neural Networks. **2022**, 49,	0
386	General and regional cross-station assessment of machine learning models for estimating reference evapotranspiration.	0

385	Extreme Precipitation Events on the East Coast of Brazilâ Northeast: Numerical and Diagnostic Analysis. **2022**, 14, 3135	0
384	Ensemble Storm Surge Modelling of the Goro Lagoon (Adriatic Sea, Northern Italy).	0
383	Characteristics of Ozone Pollution and the Impacts of Related Meteorological Factors in Shanxi Province, China. **2022**, 13, 1729	2
382	Multi-model seasonal prediction of global surface temperature based on partial regression correction method. 10,	0
381	Evaluation of CORDEX-CORE Regional Climate Models in Simulating Rainfall Variability in Rwanda.	0
380	Climate Change Determines Future Population Exposure to Summertime Compound Dry and Hot Events. **2022**, 10,	0
379	Adaptation Analysis in IMERG Precipitation Estimation for the Dongting Lake Basin, China. **2022**, 13, 1735	0
378	Prediction of the Amount of Sediment Deposition in Tarbela Reservoir Using Machine Learning Approaches. **2022**, 14, 3098	0
377	Machine Learning Method to Predict Efficiency of Cavitation Water Jet Broken Solid Propellant.	0
376	WRF Gray-Zone Dynamical Downscaling over the Tibetan Plateau during 1999- 2019: Model Performance and Added Value.	0
375	Detection and attribution of the summer length changes in the Northern Hemisphere.	0
374	A hybrid multi-step storm surge forecasting model using multiple feature selection, deep learning neural network and transfer learning.	0
373	The Role of Zooplankton Grazing and Nutrient Recycling for Global Ocean Biogeochemistry and Phytoplankton Phenology. **2022**, 127,	1
372	Assessment of CMIP6 modelsâperformances and projection of precipitation based on SSP scenarios over the MENAP region. **2022**, 13, 3607-3619	0
371	Spatial prediction of soil properties through hybridized random forest model and combination of reflectance spectroscopy and environmental covariates. 1-24	0
370	Prediction of thermal conductivity of granitic rock: an application of arithmetic and salp swarm algorithms optimized ANN.	0
369	Machine Learning-Based Rainfall Forecasting with Multiple Non-Linear Feature Selection Algorithms.	0
368	Evaluation and projections of surface air temperature over the Tibetan Plateau from CMIP6 and CMIP5: warming trend and uncertainty.	0

367	Snow water equivalent prediction in a mountainous area using hybrid bagging machine learning approaches.	0
366	On the long-term memory characteristic in land surface air temperatures: How well do CMIP6 models perform?. **2022**, 100291	0
365	Tono basin climate modeling, the potential advantage of fully coupled WRF/WRF-Hydro modeling System.	0
364	The Wet Bias of RegCM4 Over Tibet Plateau in Summer Reduced by Adopting the 3D Sub-Grid Terrain Solar Radiative Effect Parameterization Scheme. **2022**, 127,	1
363	Closed-Form Equation for Estimating Unconfined Compressive Strength of Granite from Three Non-destructive Tests Using Soft Computing Models.	0
362	Effects of global climate change on the hydrological cycle and crop growth under heavily irrigated management â A comparison between CMIP5 and CMIP6. **2022**, 202, 107408	1
361	Data-driven predictive modeling of PM2.5 concentrations using machine learning and deep learning techniques: a case study of Delhi, India. **2023**, 195,	1
360	Evaluation of the forecast skill of North American Multi-Model Ensemble for monthly and seasonal precipitation forecasts over Iran.	0
359	Navigation and control development for a four-wheel-steered mobile orchard robot using model-based design. **2022**, 202, 107410	0
358	Modelling soil compaction parameters using a hybrid soft computing technique of LSSVM and symbiotic organisms search. **2023**, 8,	0
357	Utilizing deep learning machine for inflow forecasting in two different environment regions: a case study of a tropical and semi-arid region. **2022**, 12,	0
356	Climate variability impacts on runoff projection under quantile mapping bias correction in the support CMIP6: An investigation in Lushi basin of China. **2022**, 614, 128550	0
355	Evaluation of parameterisation approaches for estimating soil hydraulic parameters with HYDRUS-1D in the groundnut basin of Senegal.	0
354	Malaria in Senegal: Recent and Future Changes Based on Bias-Corrected CMIP6 Simulations. **2022**, 7, 345	0
353	Application of mayfly algorithm for prediction of removed sediment in hydro-suction dredging systems. 1-9	0
352	Developing a novel hybrid Auto Encoder Decoder Bidirectional Gated Recurrent Unit model enhanced with empirical wavelet transform and Boruta-Catboost to forecast significant wave height. **2022**, 379, 134820	0
351	Performance analysis of the urban climate model MUKLIMO_3 for three extreme heatwave events in Bern. **2022**, 16, 100090	0
350	Mapping Chinese annual gross primary productivity with eddy covariance measurements and machine learning. **2023**, 857, 159390	0

349	Non-overlap of suitable areas of agro-climatic resources and main planting areas is the main reason for potato drought disaster in Inner Mongolia, China. **2023**, 275, 108033	1
348	Appraisal of radiative transfer model 6SV for atmospheric correction of multispectral satellite image towards land surface temperature retrieval. **2023**, 105-120	0
347	Prediction of gasoline research octane number using multiple feature machine learning models. **2023**, 333, 126510	0
346	Enhancing temporal variability of 5-minute satellite-derived solar irradiance data. **2022**,	0
345	Evaluating Root-zone Soil Moisture Products from GLEAM, GLDAS, and ERA5 based on in Situ ObServations and Triple Collocation Method Over the Tibetan Plateau. **2022**,	1
344	Refined Evaluation of Satellite Precipitation Products against Rain Gauge Observations along the Sichuanâ□ibet Railway. **2022**, 36, 779-797	0
343	Future Projection of Temperature over The Korean Peninsula under Global Warming Targets of 1.5 and 2.0?, Using the Multi-RCM Ensemble in CORDEX-EA Phase 2. **2022**, 13, 525-543	0
342	Prediction of Future Spatial and Temporal Evolution Trends of Reference Evapotranspiration in the Yellow River Basin, China. **2022**, 14, 5674	1
341	Sensitivity analysis of a three-dimensional simulation of turbidity currents in a sloping flume. 1-16	0
340	Evaluation of gridded precipitation products in the selected sub-basins of Lower Mekong River Basin.	0
339	Accessible Remote Sensing Data Mining Based Dew Estimation. **2022**, 14, 5653	0
338	Extract nonlinear operating rules of multi-reservoir systems using an efficient optimization method. **2022**, 12,	0
337	Towards Ensemble-Based Kilometer-Scale Climate Simulations over the Third Pole Region.	0
336	Application of classical and novel integrated machine learning models to predict sediment discharge during free-flow flushing. **2022**, 12,	0
335	Using Different Classic Turbulence Closure Models to Assess Salt and Temperature Modelling in a Lagunar System: A Sensitivity Study. **2022**, 10, 1750	1
334	Prediction of future climate in semi-arid catchment under CMIP6 scenarios: A case study of Bahi (Manyoni) catchment in Internal Drainage basin (IDB), Tanzania. **2022**, 103309	0
333	Introducing NARCliM1.5: Evaluation and projection of climate extremes for southeast Australia. **2022**, 100526	1
332	Assessment and constraint of mesozooplankton in CMIP6 Earth system models.	0

331	The mid-Holocene East Asian summer monsoon simulated by PMIP4-CMIP6 and PMIP3-CMIP5: Model uncertainty and its possible sources. **2022**, 103986	0
330	Showcasing model performance across space and time using single diagrams. **2022**, 102150	0
329	Climate-informed monthly runoff prediction model using machine learning and feature importance analysis. 10,	0
328	Vulnerability assessment of drought in India: insights from meteorological, hydrological, agricultural and socio-economic perspectives. **2022**,	0
327	Inter-Model Spread of the Simulated Winter Surface Air Temperature Over the Eurasian Continent and the Physical Linkage to the Jet Streams From the CMIP6 Models. **2022**, 127,	0
326	Prediction of Thermal Energy Demand Using Fuzzy-Based Models Synthesized with Metaheuristic Algorithms. **2022**, 14, 14385	2
325	Influence of GEOTRACES data distribution and misfit function choice on objective parameter retrieval in a marine zinc cycle model. **2022**, 19, 5079-5106	0
324	Experimental investigation and prediction of free fall jet scouring using machine learning models. **2022**,	0
323	Bias Correction and Evaluation of Precipitation Data from the CORDEX Regional Climate Model for Monitoring Climate Change in the Wadi Chemora Basin (Northeastern Algeria). **2022**, 13, 1876	0
322	The effects of flow pulses on river plumes in the Yellow River Estuary, in spring.	0
321	Artificial Intelligence-Driven Ensemble Model for Predicting Mortality Due to COVID-19 in East Africa. **2022**, 12, 2861	1
320	Regional dynamical and statistical downscaling temperature, humidity and wind speed for the Beijing region under stratospheric aerosol injection geoengineering. **2022**, 13, 1625-1640	0
319	Rainfall Consistency, Variability, and Concentration over the UAE: Satellite Precipitation Products vs. Rain Gauge Observations. **2022**, 14, 5827	0
318	Enhancing the prediction of hydraulic parameters using machine learning, integrating multiple attributes of GIS and geophysics.	0
317	Comparison of the efficacy of particle swarm optimization and stochastic gradient descent algorithms on multi-layer perceptron model to estimate longitudinal dispersion coefficients in natural streams. **2022**, 16, 2206-2220	0
316	Simulation and Projection of Tropical Cyclone Activities over the Western North Pacific by CMIP6 HighResMIP. **2022**, 35, 4171-4194	0
315	A Buffeting-Net for buffeting response prediction of full-scale bridges. **2023**, 275, 115289	0
314	Performance Evaluation of Google Earth Engine´Based Precipitation Datasets Under Different Climatic Zones over India.	0

313	Microwave scattering (1 â10 GHz) from a vertically heterogeneous grass canopy. **2022**, 1-1	0
312	Evaluation and Improvement of FY-4A/AGRI Sea Surface Temperature Data. **2023**, 16, 267-277	0
311	Destratification of thermally stratified water columns by air diffusers. **2023**, 46, 44-59	0
310	Cloud cover bias correction in numerical weather models for solar energy monitoring and forecasting systems with kernel ridge regression. **2023**, 203, 113-130	1
309	Dynamics of wave generation and dissipation processes during cold wave events in the Bohai Sea. **2023**, 280, 108161	0
308	Learning wave fields evolution in North West Pacific with deep neural networks. **2023**, 130, 103393	0
307	Prediction of water resources change trend in the Three Gorges Reservoir Area under future climate change. **2023**, 617, 128881	1
306	The AsianâPacific oscillation over the past millennium in PMIP3 and PMIP4. **2023**, 301, 107918	0
305	A universal dynamical metabolic model representing mixotrophic growth of Chlorella sp. on wastes. **2023**, 229, 119388	0
304	A novel time-varying stepwise decomposition ensemble framework for forecasting nonstationary and nonlinear streamflow. **2023**, 617, 128836	0
303	Airborne hyperspectral imaging of cover crops through radiative transfer process-guided machine learning. **2023**, 285, 113386	0
302	Changes in storm surges based on a bias-adjusted reconstruction dataset from 1900 to 2010. **2023**, 617, 128759	0
301	A stomatal optimization model adopting a conservative strategy in response to soil moisture stress. **2023**, 617, 128931	0
300	Substantial increase in human-perceived heatwaves in eastern China in a warmer future. **2023**, 283, 106554	0
299	Historical and projected relationships between the Tibetan Plateau summer monsoon and precipitation in Central Asia based on multi-CMIP6 models. **2023**, 283, 106564	0
298	An ensemble-based assessment of bias adjustment performance, changes in hydrometeorological predictors and compound extreme events in EAS-CORDEX. **2023**, 39, 100531	0
297	A hybrid artificial bee colony algorithm and support vector machine for predicting blast-induced ground vibration. **2022**, 21, 861-876	2
296	Temporal evaluation and projections of meteorological droughts in the Greater Lake Malawi Basin, Southeast Africa. 4,	0

295	Evaluation and Correction of Climate Simulations for the Tibetan Plateau Using the CMIP6 Models. **2022**, 13, 1947	0
294	Long-term mean circulation in the Japan Sea as reproduced by multiple eddy-resolving ocean circulation models. 9,	0
293	Destination of New Guinea Coastal Undercurrent in the western tropical Pacific: Variability and linkages. 9,	0
292	The performance of CMIP6 models in simulating surface energy fluxes over global continents.	0
291	Imputation of Missing PM2.5 Observations in a Network of Air Quality Monitoring Stations by a New kNN Method. **2022**, 13, 1934	0
290	Development and comparative of´a´new meta-ensemble machine learning model in predicting construction labor productivity.	0
289	South Asian summer rainfall from CMIP3 to CMIP6 models: biases and improvements.	0
288	Fidelity of the latest high-resolution CORDEX-CORE regional climate model simulations in the representation of the Indian summer monsoon precipitation characteristics.	1
287	Multi-modelling predictions show high uncertainty of required carbon input changes to reach a 4â target. **2022**, 73,	0
286	Prediction of sand and dust storms in West Asia under climate change scenario (RCPs).	0
285	Assessment of JSBACHv4.30 as a land component of ICON-ESM-V1 in comparison to its predecessor JSBACHv3.2 of MPI-ESM1.2. **2022**, 15, 8581-8611	0
284	A comparison of carbon monoxide retrievals between the MOPITT satellite and Canadian high-Arctic ground-based NDACC and TCCON FTIR measurements. **2022**, 15, 6837-6863	0
283	MLR approaches for the estimation of the grain yield of rainfed wheat and barley across Iran.	0
282	Runoff simulation and projection in the source area of the Yellow River using the SWAT model and SSPs scenarios. 10,	0
281	Synergistic retrievals of leaf area index and soil moisture from Sentinel-1 and Sentinel-2. 1-18	1
280	Sediment load forecasting of Gobindsagar reservoir using machine learning techniques. 10,	0
279	Evaluation of the performance of data-driven approaches for filling monthly precipitation gaps in a semi-arid climate conditions.	0
278	Evaluation of multiple bias correction methods with different satellite rainfall products in the Main Beles Watershed, Upper Blue Nile (Abbay) Basin, Ethiopia.	0

277	Evaluation of reanalysis air temperature and precipitation in high-latitude Asia using ground-based observations.	0
276	Comparison of Random Forest and Kriging Models for Soil Organic Carbon Mapping in the Himalayan Region of Kashmir. **2022**, 11, 2180	0
275	Uncertainty in projections of future lake thermal dynamics is differentially driven by lake and global climate models.	0
274	An Updated CLUBB PDF Closure Scheme to Improve Low Cloud Simulation in CAM6. **2022**, 14,	0
273	Future Changes in Temperature and Precipitation over Northeastern Brazil by CMIP6 Model. **2022**, 14, 4118	0
272	Validation of net radiation from multi-models and satellite retrieval over Nigeria.	0
271	Synergy of dual â□polarimetric radar vegetation descriptor and Gaussian processes regression algorithm for estimation of leaf area index. **2022**, 43, 6921-6935	0
270	Analysis and prediction of marine heatwaves in the Western North Pacific and Chinese coastal region. 9,	0
269	State of art soft computing based simulation models for bearing capacity of pile foundation: a comparative study of hybrid ANNs and conventional models.	0
268	Opposite-Sign Sea Surface Salinity Anomalies Over the Northeastern and Southwestern South Atlantic Ocean From 2010 to 2017. **2022**, 127,	0
267	CEEMDAN-IPSO-LSTM: A Novel Model for Short-Term Passenger Flow Prediction in Urban Rail Transit Systems. **2022**, 19, 16433	1
266	Typicality of the 2021 Western North America summer heatwave.	1
265	Simulating carbon and water fluxes using a coupled process-based terrestrial biosphere model and joint assimilation of leaf area index and surface soil moisture. **2022**, 26, 6311-6337	0
264	Testing the bottom-up hypothesis for the decline in size of anchovy and sardine across European waters through a bioenergetic modeling approach. **2022**, 102943	1
263	Projection of extreme precipitation in the Minjiang River Basin, Southeast China.	0
262	Multi-depth daily soil temperature modeling: meteorological variables or time series?.	0
261	Modelling some stand parameters using Landsat 8 OLI and Sentinel-2 satellite images by machine learning techniques: a case study in Turkey. 1-19	0
260	CCHZ-DISO: A Timely New Assessment System for Data Quality or Model Performance From Da Dao Zhi Jian. **2022**, 49,	1

259	Feasibility of a novel predictive model based on multilayer perceptron optimized with Harris hawk optimization for estimating of the longitudinal dispersion coefficient in rivers.	0
258	The increasing risk of future simultaneous droughts over the Yangtze River basin based on CMIP6 models.	0
257	Droughts in Germany: performance of regional climate models in reproducing observed characteristics. **2022**, 22, 3875-3895	0
256	Deep-learning-based harmonization and super-resolution of near-surface air temperature from CMIP6 models (1850â2100).	0
255	Impacts of climate change on the intensity-duration-frequency curves of two urbanized areas in Brazil using the high-resolution Eta atmospheric model. 1-17	0
254	21st Century Global and Regional Surface Temperature Projections. **2022**, 9,	0
253	Evaluation of Historical Simulations of CMIP6 Models for Temperature and Precipitation in Guatemala.	0
252	Development of an ANN-Based Closed-Form Equation for the Prediction of Airblast Overpressure Induced by Construction Rock Excavation Blasting in Urban Areas. **2022**, 12, 12654	0
251	Intercomparison and evaluation of ten global ET products at site and basin scales. **2022**, 128887	1
250	Uncertainty in projections of future lake thermal dynamics is differentially driven by lake and global climate models.	0
249	WRF gray-zone dynamical downscaling over the Tibetan Plateau during 1999â2019: model performance and added value.	0
248	Evaluation of the precipitation of the East Asia regional reanalysis system mainly over mainland China.	0
247	Exploiting the Combined GRACE/GRACE-FO Solutions to Determine Gravimetric Excitations of Polar Motion. **2022**, 14, 6292	0
246	Satellite-based estimation of daily suspended sediment load using hybrid intelligent models.	0
245	Evaluation of extreme precipitation over Southeast Asia in the Coupled Model Intercomparison Project Phase 5 regional climate model results and HighResMIP global climate models.	0
244	TOTAL ORGANIC CARBON ESTIMATION IN SEAGRASS BEDS IN TAURANGA HARBOUR, NEW ZEALAND USING MULTI-SENSORS IMAGERY AND GREY WOLF OPTIMIZATION. 1-29	0
243	Skill of the High-Resolution WRF Rainfall Forecast by Dense Rain Gauge Network: A Case Study Over Karnataka, India. **2022**, 179, 4671-4687	0
242	CMIP6 projected response of the East Asian winter climate to the sea ice-free Arctic.	0

241	Forecasting of Beijing PM2.5 with a hybrid ARIMA model based on integrated AIC and improved GS fixed-order methods and seasonal decomposition. **2022**, 8, e12239	1
240	Multi-step-ahead and interval carbon price forecasting using transformer-based hybrid model.	0
239	Sensitivity of precipitation and atmospheric low-level circulation patterns to domain size and choice of parameterization schemes in RegCM4.4 over Central America. **2022**, 89, 61-83	0
238	Evaluation of WRF model rainfall forecast using citizen science in a data-scarce urban catchment: Addis Ababa, Ethiopia. **2022**, 44, 101273	0
237	A Decomposition-based Multi-model and Multi-parameter Ensemble Forecast Framework for Monthly Streamflow Forecasting. **2023**, 129083	1
236	Dataset of temperature and precipitation over the major Belt and Road Initiative regions under different temperature rise scenarios. 1-23	0
235	Spatiotemporal variability of soil moisture over Ethiopia and its teleconnections with remote and local drivers.	0
234	Chloride Permeability Coefficient Prediction of Rubber Concrete Based on the Improved Machine Learning Technical: Modelling and Performance Evaluation. **2023**, 15, 308	0
233	Weather regimes and rainfall over Tunisia in a multi-model ensemble versus a multi-member ensemble.	0
232	Revised cloud processes to improve the simulation and prediction skill of Indian summer monsoon rainfall in climate forecast system model.	0
231	The Effects of Atmospheric Nitrogen Deposition on the Marine Ecosystem of the Northern South China Sea. **2023**, 128,	0
230	Diurnal cycles of cloud cover and its vertical distribution over the Tibetan Plateau revealed by satellite observations, reanalysis datasets, and CMIP6 outputs. **2023**, 23, 743-769	1
229	Evaluating western North Pacific tropical cyclone forecast in the subseasonal to seasonal prediction project database. 10,	0
228	Development of a TVF-EMD-based multi-decomposition technique integrated with encoder-decoder-bidirectional-LSTM for monthly rainfall forecasting. **2023**, 129105	0
227	Evaluation and comparison of the subseasonal prediction skill of Indian summer monsoon in IITM CFSv2 and UKMO GloSea5.	0
226	The representation of summer monsoon rainfall over northeast India: assessing the performance of CORDEX-CORE model experiments.	0
225	How well do CMIP6 models simulate the climatological northern boundary of the East Asian summer monsoon?. **2023**, 104034	0
224	To what extent horizontal resolution improves the simulation of precipitation in CMIP6 HighResMIP models over Southwest China?. 10,	0

223	Building a large dam: identifying the relationship between catchment area and slope using the confidence ellipse approach. **2023**, 10,	0
222	Combining regional mesh refinement with vertically enhanced physics to target marine stratocumulus biases as demonstrated in the Energy Exascale Earth System Model version 1. **2023**, 16, 335-352	0
221	Climate change multi-model projections in CMIP6 scenarios in Central Hokkaido, Japan. **2023**, 13,	0
220	Anthropogenic impact on the severity of compound extreme high temperature and drought/rainy events in China.	0
219	Advance prediction of coastal groundwater levels with temporal convolutional and long short-term memory networks. **2023**, 27, 83-96	0
218	Modelled coastal circulation and Lagrangian statistics from a large coastal embayment: The case of Bay of Plenty, Aotearoa New Zealand. **2023**, 281, 108212	0
217	Performance of ray-traced VMF3 products in retrieving Zenith Tropospheric Delay over the African tropical region. **2023**, 243, 106014	0
216	A new hybrid short-term carbon emissions prediction model for aviation industry in China. **2023**, 68, 93-110	0
215	Intelligent process optimisation based on cutting-edge emotional learning for performance evaluation of NF/RO of seawater desalination plant. **2023**, 550, 116376	0
214	Improving snow albedo parameterization scheme based on remote sensing data. **2023**, 284, 106602	0
213	Evaluation of CMORPH, PERSIANN-CDR, CHIRPS V2.0, TMPA 3B42 V7, and GPM IMERG V6 Satellite Precipitation Datasets in Arabian Arid Regions. **2023**, 15, 92	1
212	Prediction of the Discharge Coefficient in Compound Broad-Crested-Weir Gate by Supervised Data Mining Techniques. **2023**, 15, 433	1
211	Weather Impact on Solar Farm Performance: A Comparative Analysis of Machine Learning Techniques. **2023**, 15, 439	2
210	Quality Assessment of Sea Surface Salinity from Multiple Ocean Reanalysis Products. **2023**, 11, 54	0
209	Climate Change Impacts on the Seasonal Variation of Hydro-Physical Characteristics in the Persian Gulf.	0
208	Multimodel ensemble projection of precipitation over South Korea using the reliability ensemble averaging.	0
207	Complementary use of multi-model climate ensemble and Bayesian model averaging for projecting river hydrology in the Himalaya.	0
206	Atmospheric Dispersal of Pollutants and the Modelling of Air Pollution. **2013**, 225-243	0

205	Support vector regression model optimized with GWO versus GA algorithms: Estimating daily pan-evaporation. **2023**, 357-373	0
204	Multi-objective assessment of hydrological model performances using Nashâ Sutcliffe and Klingâ Gupta efficiencies on a worldwide large sample of watersheds. **2023**, 355, 1-25	0
203	SHAFTS (v2022.3): a deep-learning-based Python package for simultaneous extraction of building height and footprint from sentinel imagery. **2023**, 16, 751-778	0
202	Dam inflow prediction using large-scale climate variability and deep learning approach: a case study in South Korea.	1
201	The ocean response to El Nino Southern Oscillation (ENSO) in the Bali Sea: a model study. **2023**, 1137, 012014	0
200	A comparative study of sea surface wind datasets and their induced circulation characteristics in the North Pacific Ocean.	0
199	Study on Forecasting Break-Up Date of River Ice in Heilongjiang Province Based on LSTM and CEEMDAN. **2023**, 15, 496	0
198	Combining spatial autocorrelation with artificial intelligence models to estimate spatial distribution and risks of heavy metal pollution in agricultural soils. **2023**, 195,	0
197	Limited Skill of Projected Land Precipitation by IPCC Models During 2002â 2020. **2023**, 128,	0
196	A locally weighted linear ridge regression framework for spatial interpolation of monthly precipitation over an orographically complex area.	0
195	Academic performance prediction associated with synchronous online interactive learning behaviors based on the machine learning approach. 1-16	0
194	Changes in the ground surface temperature in permafrost regions along the Qinghaiâ Tibet engineering corridor from 1900 to 2014: A modified assessment of CMIP6. **2023**,	0
193	Simulated circulation and particle trajectory analysis related to the oil spill event in the Karawang Coastal Waters. **2023**, 1137, 012012	0
192	Interactive stratospheric aerosol models' response to different amounts and altitudes of SO2 injection during the 1991 Pinatubo eruption. **2023**, 23, 921-948	0
191	Combining discrete wavelet decomposition with soft computing techniques to predict monthly evapotranspiration in semi-arid Hakkâ province, Tâkiye.	0
190	Coupling machine learning with signal process techniques and particle swarm optimization for forecasting flood routing calculations in the Eastern Black Sea Basin, Tâkiye.	0
189	An Enhanced Multioperator Rungeâ Kutta Algorithm for Optimizing Complex Water Engineering Problems. **2023**, 15, 1825	0
188	Historical and Projected Changes in Temperature Extremes Over China and the Inconsistency Between Multimodel Ensembles and Individual Models From CMIP5 and CMIP6. **2023**, 10,	0

187	An intelligent hybridized computing technique for the prediction of roadway traffic noise in urban environment.	0
186	Biophysical interactions control the progression of harmful algal blooms in Chesapeake Bay: A novel Lagrangian particle tracking model with mixotrophic growth and vertical migration.	0
185	Indian Ocean dynamic sea level, its variability and projections in CMIP6 models.	0
184	Comparison of Radiosonde Measurements of Meteorological Variables with Drone, Satellite Products, and WRF Simulations in the Tropical Andes: The Case of Quito, Ecuador. **2023**, 14, 264	1
183	Prediction of Chloride Diffusion Coefficient in Concrete Modified with Supplementary Cementitious Materials Using Machine Learning Algorithms. **2023**, 16, 1277	0
182	Evaluation of a CMIP6 Multi-GCM Ensemble for Atmospheric Rivers and Precipitation Over East Asia.	0
181	Mapping of the wind erodible fraction of soil by bidirectional gated recurrent unit (BiGRU) and bidirectional recurrent neural network (BiRNN) deep learning models. **2023**, 223, 106953	1
180	Uncertainty in wave hindcasts in the North Atlantic Ocean. **2023**, 89, 103370	0
179	Reliability analysis of reinforced soil slope stability using GA-ANFIS, RFC, and GMDH soft computing techniques. **2023**, 18, e01898	0
178	An Assessment of Uncertainty of Regional Climate Change Models, Error Correction Methods and Forecasting Climate Change in Birjand Township. **2021**, 12, 42-53	0
177	Fusion of ocean data from multiple sources using deep learning: Utilizing sea temperature as an example. 10,	0
176	Early- and late-winter ENSO teleconnections to the Euro-Atlantic region in state-of-the-art seasonal forecasting systems.	0
175	Phase variations of the summer and winter seasons in the Bohai Sea during the last four decades. 10,	0
174	Hydrocarbon Generation from Low-Mature Saline Lacustrine Sediments Studied Using Machine Learning and Chemometric Methods: The Succession of the Sikeshu Sag, Junggar Basin, NW China. **2023**, 8, 10314-10334	0
173	Ensemble learning of decomposition-based machine learning and deep learning models for multi-time step ahead streamflow forecasting in an arid region.	0
172	A novel retrieval model for soil salinity from CYGNSS: Algorithm and test in the Yellow River Delta. **2023**, 432, 116417	0
171	Nested hydrological modeling for flood prediction using CMIP6 inputs around Lake Tana, Ethiopia. **2023**, 46, 101343	0
170	Assessment of soil CO2 and NO fluxes in a semi-arid region using machine learning approaches. **2023**, 211, 104947	0

169	The increasing risk of future simultaneous droughts over the Yangtze River basin based on CMIP6 models.	0
168	Field-scale evaluation of remote sensing soil moisture retrievals using a multi-satellite approach. 1-22	0
167	Extreme temperatures detection and attribution related to external forcing in Madagascar.	0
166	Evaluation and projection of precipitation and temperature in a coastal climatic transitional zone in China based on CMIP6 GCMs.	0
165	Climate and aridity measures relationships with spectral vegetation indices across desert fringe shrublands in the South-Eastern Mediterranean Basin. **2023**, 195,	0
164	A novel deep learning ensemble model based on two-stage feature selection and intelligent optimization for water quality prediction. **2023**, 224, 115560	0
163	Uncertainties of three high-resolution actual evapotranspiration products across China: Comparisons and applications. **2023**, 286, 106682	0
162	Validation of standard ocean-color chlorophyll-a products in turbid coastal waters: A case study on statistical evaluation and quality control tests in the Persian Gulf. **2023**, 240, 103875	0
161	Flushing time variability in a short, low-inflow estuary. **2023**, 284, 108277	0
160	A hybrid VMD-LSTM/GRU model to predict non-stationary and irregular waves on the east coast of China. **2023**, 276, 114136	0
159	Digital twin of an absorption chiller for solar cooling. **2023**, 208, 36-51	0
158	Simulation of the long-term variability of the Hadley circulation in CMIP6 models. **2023**, 287, 106716	0
157	Modelling coastal upwelling off NW Iberian Peninsula: New insights on the fate of phytoplankton blooms. **2023**, 874, 162416	0
156	An enhanced deep learning approach to assessing inland lake water quality and its response to climate and anthropogenic factors. **2023**, 620, 129466	0
155	Enhancing SWAT model with modified method to improve Eco-hydrological simulation in arid region. **2023**, 403, 136891	0
154	Velocity distribution characteristics for rigid vegetation model with spherical canopy: An analytical study adopting multiple mathematical methods. **2023**, 620, 129376	0
153	Projected PV plants in Chinaâ Gobi Deserts would result in lower evaporation and wind. **2023**, 256, 140-150	0
152	Climate change adaptation strategies for sustainable water management in the Indus basin of Pakistan. **2023**, 878, 163143	0

151	Impacts of different biomass burning emission inventories: Simulations of atmospheric CO2 concentrations based on GEOS-Chem. **2023**, 876, 162825	0
150	Spatiotemporal modeling of PM10 via committee method with in-situ and large scale information: Coupling of machine learning and statistical methods. **2023**, 49, 101494	0
149	Toward a better understanding of uncertainty for satellite precipitation products over complex terrain with sparse rain gauge data. **2023**, 288, 106742	0
148	Incorporating machine learning models and remote sensing to assess the spatial distribution of saturated hydraulic conductivity in a light-textured soil. **2023**, 209, 107821	0
147	Generalized uncertainty in surrogate models for concrete strength prediction. **2023**, 122, 106155	0
146	Hybrid machine learning and deep learning models for multi-step-ahead daily reference evapotranspiration forecasting in different climate regions across the contiguous United States. **2023**, 283, 108311	0
145	A novel global solar exposure forecasting model based on air temperature: Designing a new multi-processing ensemble deep learning paradigm. **2023**, 222, 119811	0
144	Machine learning algorithm optimization for intelligent prediction of rock thermal conductivity: A case study from a whole-cored scientific drilling borehole. **2023**, 111, 102711	0
143	Future projections of atmospheric icing in Norway. **2023**, 210, 103836	0
142	Improving the accuracy of daily solar radiation prediction by climatic data using an efficient hybrid deep learning model: Long short-term memory (LSTM) network coupled with wavelet transform. **2023**, 123, 106199	0
141	Machine-learning- and deep-learning-based streamflow prediction in a hilly catchment for future scenarios using CMIP6 GCM data. **2023**, 27, 1047-1075	0
140	Prediction of Carbonation Depth for Concrete Containing Mineral Admixtures Based on Machine Learning.	0
139	Enhancing flood susceptibility modeling using multi-temporal SAR images, CHIRPS data, and hybrid machine learning algorithms. **2023**, 871, 162066	1
138	Sensitivity of the simulation of extreme precipitation events in China to different cumulus parameterization schemes and the underlying mechanisms. **2023**, 285, 106636	0
137	Agriculture and aquaculture land-use change prediction in five central coastal provinces of Vietnam using ANN, SVR, and SARIMA models. **2022**, 14, 1577-1590	0
136	Global evaluation of model agreement and uncertainty in terrestrial water storage simulations from ISIMIP 2b framework. **2023**, 617, 129137	0
135	Effects of elevated arsenic and nitrate concentrations on groundwater resources in deltaic region of Sundarban Ramsar site, Indo-Bangladesh region. **2023**, 188, 114618	0
134	Shear capacity prediction for reinforced concrete deep beams with web openings using artificial intelligence methods. **2023**, 280, 115675	0

133	A high dimensional features-based cascaded forward neural network coupled with MVMD and Boruta-GBDT for multi-step ahead forecasting of surface soil moisture. **2023**, 120, 105895	0
132	Performance of seasonal forecasts for the flowering and veraison of two major Portuguese grapevine varieties. **2023**, 331, 109342	1
131	Performance evaluation of IMERG products based on the extremely heavy rainstorm event (2021) once in a thousand years in Henan, China. **2023**, 285, 106639	0
130	Machine learning models development for shear strength prediction of reinforced concrete beam: a comparative study. **2023**, 13,	1
129	Evaluation of the success of the hybrid wavelet-based ANFIS approach in the estimation of monthly stream flows of the Bitlis River, Turkey. **2023**, 23, 836-850	0
128	The Kernelized Taylor Diagram. **2022**, 125-131	0
127	Two novel error-updating model frameworks for short-to-medium range streamflow forecasting using bias-corrected rainfall inputs: Development and comparative assessment. **2023**, 618, 129199	0
126	Living with Floods Using State-of-the-Art and Geospatial Techniques: Flood Mitigation Alternatives, Management Measures, and Policy Recommendations. **2023**, 15, 558	0
125	Description and evaluation of a newly developed emission inventory processing system (EMIPS). **2023**, 870, 161909	0
124	Soil moisture-constrained East Asian Monsoon meridional patterns over China from observations. **2023**, 6,	0
123	Influence of the North American dipole on the Atlantic warm pool. 11,	0
122	Daily Scale Streamflow Forecasting Based-Hybrid Gradient Boosting Machine Learning Model.	0
121	A New Approach for Assessing Groundwater Recharge by Combining GRACE and Baseflow With Case Studies in Karst Areas of Southwest China. **2023**, 59,	0
120	High-Resolution Model of Clew Bayâ€Model Set-Up and Validation Results. **2023**, 11, 362	0
119	Performance Evaluation of Hydroponic Wastewater Treatment Plant Integrated with Ensemble Learning Techniques: A Feature Selection Approach. **2023**, 11, 478	0
118	Impacts of climate change on regional cattle trade in the central corridor of Africa. **2023**, 23,	0
117	Interpretable machine-learning models for maximum displacements of RC beams under impact loading predictions. **2023**, 281, 115723	0
116	Multi-Stage Validation of a Solar Irradiance Model Chain: An Application at High Latitudes. **2023**, 15, 2938	0

115	Possibility of global gridded streamflow dataset correction: applications of large-scale watersheds with different climates. **2023**, 152, 627-647	0
114	Dynamic downscaling of climate simulations and projected changes in tropical South America using RegCM4 .7.	0
113	Projections and impact assessment of the local climate change conditions of the Black Volta Basin of Ghana based on the Statistical DownScaling Model. **2023**, 14, 494-515	0
112	Comparing the Arctic climate in Chinese and other CMIP6 models. **2023**, 100334	0
111	Will Warming Climate Affect the Characteristics of Summer Monsoon Rainfall and Associated Extremes Over the Gangetic Plains in India?. **2023**, 10,	0
110	Comparative assessment of future solar power potential based on CMIP5 and CMIP6 multi-model ensembles. **2023**, 206, 324-335	0
109	Predicting indoor air temperature and thermal comfort in occupational settings using weather forecasts, indoor sensors, and artificial neural networks. **2023**, 234, 110077	0
108	Evaluation of near-surface air temperature reanalysis datasets and downscaling with machine learning based Random Forest method for complex terrain of Turkey. **2023**,	0
107	A comparative study of prediction of compressive strength of ultra-high performance concrete using soft computing technique.	0
106	Developing a novel approach for missing data imputation of solar radiation: A hybrid differential evolution algorithm based eXtreme gradient boosting model. **2023**, 280, 116780	0
105	Compressive strength of concrete containing furnace blast slag; optimized machine learning-based models. **2023**, 13, 100604	1
104	Evaluation and projection of precipitation extremes under 1.5°C and 2.0°C GWLs over China using bias-corrected CMIP6 models. **2023**, 26, 106179	0
103	Soil quality assessment based on hybrid computational approach with spatial multi-criteria analysis and geographical information system for sustainable tea cultivation. 1-18	0
102	Performance of traditional and machine learning-based transformation models for undrained shear strength. **2023**, 16,	0
101	Hybrid Random Forest-Based Models for Earth Pressure Balance Tunneling-Induced Ground Settlement Prediction. **2023**, 13, 2574	0
100	Application of a Data Augmentation Technique on Blast-Induced Fly-Rock Distance Prediction. **2023** , 135-165	0
99	A double-layer model for improving the estimation of wheat canopy nitrogen content from unmanned aerial vehicle multispectral imagery. **2023**,	0
98	The Arctic Sea Ice Thickness Change in CMIP6â Historical Simulations.	0

97	The Warm Arctic–Cold Eurasia Pattern and Its Key Region in Winter in CMIP6 Model Simulations.	0
96	An Application of the Maximum Entropy Production Method in the WRF Noah Land Surface Model. **2023**, 128,	0
95	Future Projections of EURO-CORDEX Raw and Bias-Corrected Daily Maximum Wind Speeds Over Scandinavia. **2023**, 128,	0
94	Fluid Flow Behavior Prediction in Naturally Fractured Reservoirs Using Machine Learning Models. **2023**, 2023, 1-19	0
93	Statistical investigation of wave power potential in the North Aegean Sea.	0
92	Southern South China Sea Dynamics: Sea Level Change from Coupled Model Intercomparison Project Phase 6 (CMIP6) in the 21st Century. **2023**, 11, 458	0
91	Investigation of Nonstationary Association of Monsoon Temperature and Precipitation Extremes through Past and Future over East-Central India. **2023**, 180, 1143-1171	0
90	Feasibility of Downscaling Satellite-Based Precipitation Estimates Using Soil Moisture Derived from Land Surface Temperature. **2023**, 14, 435	0
89	Machine learning-based ozone and PM2.5 forecasting: Application to multiple AQS sites in the Pacific Northwest. 6,	0
88	Soil moisture revamps the temperature extremes in a warming climate over India. **2023**, 6,	0
87	Atmosphere air temperature forecasting using the honey badger optimization algorithm: on the warmest and coldest areas of the world. **2023**, 17,	0
86	Assessment of Climate Indices over the Carpathian Basin Based on ALADIN5.2 and REMO2015 Regional Climate Model Simulations. **2023**, 14, 448	0
85	North Atlantic Tropical Cyclone Size and Storm Surge Reconstructions From 1950-Present. **2023**, 128,	0
84	The second-generation real-time ecological environment prediction system for the Guangdong–Hong Kong–Macro Greater Bay Area: Model setup, validation, improvements, and online visualization. 10,	0
83	Geodetic residual time series: A combined series by minimization of their internal noise level. 11,	0
82	Projected changes in surface air temperature over Pakistan under bias-constrained CMIP6 models. **2023**, 16,	0
81	Ensemble physically based semi-distributed models for the rainfall-runoff process modeling in the data-scarce Katar catchment, Ethiopia. **2023**, 25, 567-592	0
80	Spatiotemporal Variability of the Currents of the Shelf–Slope Zone of the Northeastern Part of the Black Sea According to Data of Numerical Simulation. **2022**, 62, 746-756	0

79	The risk assessment of arsenic contamination in the urbanized coastal aquifer of Rayong groundwater basin, Thailand using the machine learning approach. **2023**, 253, 114665	0
78	Sensitive analysis of meteorological data and selecting appropriate machine learning model for estimation of reference evapotranspiration. **2023**, 13,	0
77	Evaluation of multi-RCM ensembles for simulating spatiotemporal variability of Asian summer monsoon precipitation in the CORDEX-East Asia Phase 2 domain.	0
76	Sensitivity Analysis of the Noah-MP Land Surface Model for Soil Hydrothermal Simulations Over the Tibetan Plateau. **2023**, 15,	0
75	Evaluation and future projection of the extreme precipitation over India and its homogeneous regions: A regional earth system model perspective.	0
74	Bias correction of CMIP6 simulations of precipitation over Indian monsoon core region using deep learning algorithms.	0
73	Landslide Susceptibility Mapping Based on Information-GRUResNet Model in the Changzhou Town, China. **2023**, 14, 499	0
72	Tuning the Model Winds in Perspective of Operational Storm Surge Prediction in the Adriatic Sea. **2023**, 11, 544	0
71	Evaluating the impact of topography on the initiation of Norâwesters over eastern India. **2023**, 14,	0
70	A hybrid approach of ANN and improved PSO for estimating soaked CBR of subgrade soils of heavy-haul railway corridor. **2023**, 24,	0
69	Nowcasting of Wind in the Venice Lagoon Using WRF-FDDA. **2023**, 14, 502	0
68	Projected changes in extreme rainfall and temperature events and possible implications for Cameroon's socio-economic sectors. **2023**, 30,	0
67	Assessing the consequences of climate change on potential evapotranspiration in Iran in the coming decades. **2023**, 16,	0
66	Artificial neural networks (ANN), MARS, and adaptive network-based fuzzy inference system (ANFIS) to predict the stress at the failure of concrete with waste steel slag coarse aggregate replacement.	0
65	High Resolution Forecasting of Summer Drought in the Western United States. **2023**, 59,	0
64	High-Resolution Quantitative Retrieval of Soil Moisture Based on Multisource Data Fusion with Random Forests: A Case Study in the Zoige Region of the Tibetan Plateau. **2023**, 15, 1531	0
63	Future Projection of Extreme Precipitation Indices over the Qilian Mountains under Global Warming. **2023**, 20, 4961	0
62	Real-time prediction of the week-ahead flood index using hybrid deep learning algorithms with synoptic climate mode indices.	0

61	Impacts of climate change on the food-water nexus in central Arizona. **2023**, 333, 109413	0
60	Can we actually monitor the spatial distribution of small pelagic fish based on Sentinel-3 data? An example from the North Aegean Sea (Eastern Mediterranean Sea). 10,	0
59	A Multi-Model Ensemble Pattern Method to Estimate the Refractive Index Structure Parameter Profile and Integrated Astronomical Parameters in the Atmosphere. **2023**, 15, 1584	0
58	Improved Performance of CLM5.0 Model in Frozen Soil Simulation Over Tibetan Plateau by Implementing the Vegetation Emissivity and Gravel Hydrothermal Schemes. **2023**, 128,	0
57	Study on the Prediction of the Uniaxial Compressive Strength of Rock Based on the SSA-XGBoost Model. **2023**, 15, 5201	0
56	Understanding opposing predictions of Prochlorococcus in a changing climate. **2023**, 14,	0
55	Tropical volcanic eruptions reduce vegetation net carbon uptake on the Qinghaiâ□□ibet Plateau under background climate conditions. 14,	0
54	Water quality index forecast using artificial neural network techniques optimized with different metaheuristic algorithms.	0
53	An artificial neural network based system for wave height prediction. 1-16	0
52	Evaluating CMIP6 Historical Mean Precipitation over Africa and the Arabian Peninsula against Satellite-Based Observation. **2023**, 14, 607	0
51	Shear Strength Criterion for Rock Discontinuities: A Comparative Study of Regression Approaches.	0
50	Spatiotemporal variability in extreme precipitation and associated large-scale climate mechanisms in Central Asia from 1950 to 2019. **2023**, 620, 129417	0
49	Uncertainty Assessment of WinSRFR Furrow Irrigation Simulation Model Using the GLUE Framework under Variability in Geometry Cross Section, Infiltration, and Roughness Parameters. **2023**, 15, 1250	0
48	Future changes of dry-wet climate regions and its contributing climatic factors in China based on CMIP6 models.	0
47	A comparative study of heterogeneous and homogeneous ensemble approaches for landslide susceptibility assessment in the Djebahia region, Algeria.	0
46	â□□valuations of regional climate models for simulating precipitation and temperature over the Guder sub-basin of Upper Blue Nile Basin, Ethiopiaâ□	0
45	Estimation and analysis of missing temperature data in high altitude and snow-dominated regions using various machine learning methods. **2023**, 195,	0
44	Northwestward advance of the northern boundary of the East Asian summer monsoon over the 21st century in CMIP6 projections.	0

43	Predicting Discharge Coefficient of Triangular Side Orifice Using LSSVM Optimized by Gravity Search Algorithm. **2023**, 15, 1341	0
42	Climate data uncertainty for agricultural impact assessments in West Africa.	0
41	A true triaxial strength criterion for rocks by gene expression programming. **2023**,	0
40	Voids prediction beneath cement concrete slabs using a FEM-ANN method. **2023**, 24,	0
39	Exploring the potential of artificial intelligence techniques in prediction of the removal efficiency of vortex tube silt ejector. **2023**,	0
38	Prediction of aerosol optical depth over Pakistan using novel hybrid machine learning model.	0
37	How Extreme Events in China Would Be Affected by Global Warmingâ□Insights From a Bias-Corrected CMIP6 Ensemble. **2023**, 11,	0
36	A modified Taylor diagram to improve the comparison of models.	0
35	Acclimation of Phytoplankton Fe:C Ratios Dampens the Biogeochemical Response to Varying Atmospheric Deposition of Soluble Iron. **2023**, 37,	0
34	Application of hybrid ANN paradigms built with nature inspired meta-heuristics for modelling soil compaction parameters. **2023**, 100995	0
33	Evaluation of General Circulation Models CMIP6 Performance and Future Climate Change over the Omo River Basin, Ethiopia. **2023**, 15, 6507	0
32	Hybrid machine learning approach for construction cost estimation: an evaluation of extreme gradient boosting model.	0
31	Evaluation of bias correction techniques for generating high-resolution daily temperature projections from CMIP6 models.	0
30	Climate change rather than vegetation greening dominates runoff change in China. **2023**, 129519	0
29	Assessment of compressive strength of jet grouting by machine learning. **2023**,	0
28	Evaluation of the Effect of WRF Physical Parameterizations on Typhoon and Wave Simulation in the Taiwan Strait. **2023**, 15, 1526	0
27	A novel hybrid model for building heat load forecasting based on multivariate Empirical modal decomposition. **2023**, 237, 110317	0
26	Avaliaõ das Parametrizaes de Cmulos do Modelo Climico Regional na Bacia do Rio Sõ Francisco.	0

25	Historical assessment and future projection of extreme precipitation in CMIP6 models: Global and continental.	0
24	A Comparative Analysis of Multiple Machine Learning Methods for Flood Routing in the Yangtze River. **2023**, 15, 1556	0
23	Biases and improvements of the boreal winterâspring equatorial undercurrent in the Indian Ocean in the CMIP5 and CMIP6 models. 10,	0
22	Evaluation of bias correction methods for a multivariate drought index: case study of the Upper Jhelum Basin. **2023**, 16, 2055-2076	0
21	Assessment of the Sea Surface Salinity Simulation and Projection Surrounding the Asian Waters in the CMIP6 Models. **2023**, 14, 726	0
20	Elastic modulus estimation of weak rock samples using random forest technique. **2023**, 82,	0
19	East Asian summer precipitation in AWI-CM3 : Comparison with observations and CMIP6 models.	0
18	Multi-step ahead hourly forecasting of air quality indices in Australia: Application of an optimal time varying decomposition-based ensemble deep learning algorithm. **2023**, 101752	0
17	Evaluation of CMIP6 models for simulations of diurnal temperature range over Africa. **2023**, 104944	0
16	Effects of Equatorial Ocean Current Bias on Simulated El Niê Pattern in CMIP6 Models. **2023**, 50,	0
15	Estimation and comparison of gabion weir oxygen mass transfer by ensemble learnings of bagging, boosting, and stacking algorithms. 1-16	0
14	A Spectral Library Study of Mixtures of Common Lunar Minerals and Glass. **2023**, 15, 2195	0
13	Prediction of lining upward movement during shield tunneling using machine learning algorithms and field monitoring data. **2023**, 101002	0
12	Performance Evaluation of Cordex-sea Dataset Based on Multi-metrics and Weighted Ensemble Mean.	0
11	A CMIP6-based multi-model downscaling ensemble to underpin climate change services in Australia. **2023**, 30, 100368	0
10	Inspection of IMERG precipitation estimates during Typhoon Cempaka using a new methodology for quantifying and evaluating bias. **2023**, 129554	0
9	Application of statistical and geostatistical approaches in temporal and spatial estimations of rainfall.	0
8	Assessing of Two Planetary Boundary Layer Schemes in RegCM4 Model Over the Tropical Region of Brazil.	0

7	Predicting NSMRâ□oncrete bond strength using artificial neural networks: A comparative-analysis study.	0
6	A Compartmental Mathematical Model of COVID-19 Intervention Scenarios for Mumbai. **2023**, 121-146	0
5	Last Glacial Maximum ITCZ Changes From PMIP3/4 Simulations. **2023**, 128,	0
4	Evaluation and future projections of wind energy resources over the Northern Hemisphere in CMIP5 and CMIP6 models. **2023**, 211, 809-821	0
3	An enhanced monthly runoff forecasting using least squares support vector machine based on Harris hawks optimization and secondary decomposition.	0
2	Multi-model analysis of the Adriatic dense-water dynamics. **2023**, 19, 649-670	0
1	Machine learning models to predict the tunnel wall convergence. **2023**, 41, 101022	0