John A Taylor

List of Publications by Year in Descending Order

60 papers	4,549 citations	20 h-index	63 g-index
63 ext. papers	4,894 ext. citations	5.3 avg, IF	4.16 L-index

#	Paper	IF	Citations
60	Recent Advancement of Deep Learning Applications to Machine Condition Monitoring Part 1: A Critical Review. *Acoustics Australia*, **2021**, 49, 207-219	1.4	0
59	Recent Advancement of Deep Learning Applications to Machine Condition Monitoring Part 2: Supplement Views and a Case Study. *Acoustics Australia*, **2021**, 49, 221-228	1.4	
58	Advanced investigation on the change in the streamflow into the water source of the middle route of China's water diversion project. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 6950-6961	4.4	12
57	Use of remote-sensing reflectance to constrain a data assimilating marine biogeochemical model of the Great Barrier Reef. *Biogeosciences*, **2016**, 13, 6441-6469	4.6	37
56	Statistical downscaling of reference evapotranspiration in Haihe River Basin: applicability assessment and application to future projection. *Hydrological Sciences Journal*, **2016**, 1-13	3.5	
55	A balanced calibration of water quantity and quality by multi-objective optimization for integrated water system model. *Journal of Hydrology*, **2016**, 538, 802-816	6	19
54	Investigating the variation and non-stationarity in precipitation extremes based on the concept of event-based extreme precipitation. *Journal of Hydrology*, **2015**, 530, 785-798	6	31
53	Cloud based toolbox for image analysis, processing and reconstruction tasks. *Advances in Experimental Medicine and Biology*, **2015**, 823, 191-205	3.6	6
52	Lattice Boltzmann modeling of permeability in porous materials with partially percolating voxels. *Physical Review E*, **2014**, 90, 033301	2.4	28
51	Multiscale cardiac modelling reveals the origins of notched T waves in long QT syndrome type 2. *Nature Communications*, **2014**, 5, 5069	17.4	34
50	Changes of reference evapotranspiration in the Haihe River Basin: Present observations and future projection from climatic variables through multi-model ensemble. *Global and Planetary Change*, **2014**, 115, 1-15	4.2	48
49	Galaxy + Hadoop: Toward a Collaborative and Scalable Image Processing Toolbox in Cloud. *Lecture Notes in Computer Science*, **2014**, 339-351	0.9	6
48	Changes in reference evapotranspiration across the Tibetan Plateau: Observations and future projections based on statistical downscaling. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 4049-4068	4.4	72
47	Quantifying the origins of population variability in cardiac electrical activity through sensitivity analysis of the electrocardiogram. *Journal of Physiology*, **2013**, 591, 4207-22	3.9	15
46	Changes in daily temperature and precipitation extremes in the Yellow River Basin, China. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 401-421	3.5	82
45	Applications of heterogeneous computing in computational and simulation science. *International Journal of Computational Science and Engineering*, **2013**, 8, 240	0.4	3
44	Biomedical image analysis and processing in clouds **2013**,		3

43	Data-constrained characterization of sandstone microstructures with multi-energy X-ray CT. *Journal of Physics: Conference Series*, **2013**, 463, 012048	0.3	7
42	Applications of Heterogeneous Computing in Computational and Simulation Science **2011**,		2
41	Toolbox for advanced x-ray image processing **2011**,		39
40	Adaptive Subspace Symbolization for Content-Based Video Detection. *IEEE Transactions on Knowledge and Data Engineering*, **2010**, 22, 1372-1387	4.2	16
39	A Subspace Symbolization Approach to Content-Based Video Search. *Proceedings - International Conference on Data Engineering*, **2009**,	2	2
38	. *IEEE Transactions on Multimedia*, **2009**, 11, 879-891	6.6	42
37	Hydrological Processes in Regional Climate Model Simulations of the Central United States Flood of June–July 1993. *Journal of Hydrometeorology*, **2003**, 4, 584-598	3.7	41
36	Simplifying the Task of Generating Climate Simulations and Visualizations. *Lecture Notes in Computer Science*, **2002**, 758-766	0.9	1
35	Developing Grid Based Infrastructure for Climate Modeling. *Lecture Notes in Computer Science*, **2002**, 739-747	0.9	1
34	Designing a Flexible Grid Enabled Scientific Modeling Interface. *Lecture Notes in Computer Science*, **2002**, 777-786	0.9	
33	The natural latitudinal distribution of atmospheric CO2. *Global and Planetary Change*, **2000**, 26, 375-386	4.2	21
32	The climatic effects of biomass burning: investigations with a global climate model. *Environmental Modelling and Software*, **1999**, 14, 253-259	5.2	8
31	Three-dimensional transport and concentration of SF6 A model intercomparison study (TransCom 2). *Tellus, Series B: Chemical and Physical Meteorology*, **1999**, 51, 266-297	3.3	52
30	SAM: a computer program for statistical analysis and modelling. *Environmental Modelling and Software*, **1998**, 13, 225-231	5.2	1
29	Atmospheric mixing and the CO2 seasonal cycle. *Geophysical Research Letters*, **1998**, 25, 4173-4176	4.9	8
28	A new inverse method for trace gas flux estimation: 2. Application to tropospheric CFCl3 fluxes. *Journal of Geophysical Research*, **1998**, 103, 1429-1442		17
27	Fossil fuel emissions required to achieve atmospheric CO2 stabilisation using ANU-BACE: A box-diffusion carbon cycle model. *Ecological Modelling*, **1996**, 86, 195-199	3	3
26	A 3-D modelling study of the sources and sinks of atmospheric carbon monoxide. *Ecological Modelling*, **1996**, 88, 53-71	3	10

25	Testing high-resolution nitrous oxide emission estimates against observations using an atmospheric transport model. *Global Biogeochemical Cycles*, **1996**, 10, 307-318	5.9	35
24	Variations in modeled atmospheric transport of carbon dioxide and the consequences for CO2 inversions. *Global Biogeochemical Cycles*, **1996**, 10, 783-796	5.9	134
23	The Potential Role of Peatland Dynamics in Ice-Age Initiation. *Quaternary Research*, **1996**, 45, 89-92	1.9	22
22	Climatic effects of biomass burning. *Environmental Software*, **1996**, 11, 53-58		4
21	A global model of natural volatile organic compound emissions. *Journal of Geophysical Research*, **1995**, 100, 8873		3022
20	Random walks in the kalman filter: Implications for greenhouse gas flux deductions. *Environmetrics*, **1995**, 6, 473-478	1.3	8
19	Vegetation effects on the isotope composition of oxygen in atmospheric CO2. *Nature*, **1993**, 363, 439-443	50.4	343
18	Efficient tools for analysing the influence of sources and meteorology on urban ambient concentration trends illustrated for Canberra, Australia. *Ecological Modelling*, **1992**, 64, 125-157	3	3
17	3-D tropospheric CO modeling: The possible influence of the ocean. *Geophysical Research Letters*, **1992**, 19, 1955-1958	4.9	26
16	Sources and Sinks of Atmospheric CO2. *Australian Journal of Botany*, **1992**, 40, 407	1.2	115
15	A global three-dimensional Lagrangian tracer transport modelling study of the sources and sinks of nitrous oxide. *Mathematics and Computers in Simulation*, **1992**, 33, 597-602	3.3	11
14	A study of the sources and sinks of methane and methyl chloroform using a global three-dimensional Lagrangian tropospheric tracer transport model. *Journal of Geophysical Research* , **1991**, 96, 3013		73
13	New approaches to modelling the gobal distribution of trace gases in the troposphere. *Mathematics and Computers in Simulation*, **1990**, 32, 59-64	3.3	1
12	Percentile estimation of the three-parameter gamma and lognormal distributions: Methods of moments versus maximum likelihood. *Mathematics and Computers in Simulation*, **1990**, 32, 167-172	3.3	1
11	A method for predicting the extremes of stream acidity and other water quality variables. *Journal of Hydrology*, **1990**, 116, 375-390	6	7
10	Statistical distribution modelling: Function, methods and application to air quality management. *Mathematics and Computers in Simulation*, **1988**, 30, 3-9	3.3	5
9	Microscopical TSP studies comparing a city centre and suburban sites in Canberra, Australia. *Atmospheric Environment*, **1988**, 22, 1745-1758		3
8	A hybrid model for predicting the distribution of sulphur dioxide concentrations observed near elevated point sources. *Ecological Modelling*, **1987**, 36, 269-296	3	7

7	Statistical modeling of restricted pollutant data sets to assess compliance with air quality criteria. *Environmental Monitoring and Assessment*, **1987**, 9, 29-46	3.1	4
6	Combining deterministic and statistical models for ill-defined systems: Advantages for air quality assessment. *Mathematics and Computers in Simulation*, **1985**, 27, 167-178	3.3	2
5	Identification of a distributional model. *Communications in Statistics Part B: Simulation and Computation*, **1985**, 14, 497-508	0.6	15
4	A hybrid model for predicting the distribution of pollutants dispersed from line sources. *Science of the Total Environment*, **1985**, 46, 191-213	10.2	17
3	Temperature dependence of collisional energy transfer in ethyl acetate. *The Journal of Physical Chemistry*, **1983**, 87, 5214-5219		12
2	Model and data work together to reveal microscopic structures of materials. *SPIE Newsroom*,		2
1	Data-driven global weather predictions at high resolutions. *International Journal of High Performance Computing Applications*,109434202110398	1.8	1