International Journal of Wildland Fire

Scientific Journal of the International Association of Wildland Fire

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Forest fire occurrence and climate change in Canada B. M. Wotton, C. A. Nock and M. D. Flannigan International Journal of Wildland Fire 19 , 253–271	of in st	future fire occurre the future is proje udied, though this	ence across Canada. cted to increase acr increase varies regi	I to develop projections Annual fire occurrence ross all forested regions onally. Increases in fire phtning-caused fires.
Spatial variation of trends in wildfire and summer drought in British Columbia, Canada, 1920–2000 Andrea Meyn, Sebastian Schmidtlein, Stephen W. Taylor, Martin P. Girardin, Kirsten Thonicke and Wolfgang Cramer International Journal of Wildland Fire 19 , 272–283	cc m Bi in m	onsistent with proj ate warming in Ca ritish Columbia, v wildfire activity t ers with the streng	ections of future nada. For Canada's ve observed oppos hat is significantly	over recent decades is increase driven by cli- most western province, ing trends: a decrease related to wetter sum- ip considerably varying
Convective heat transfer in fire spread through fine fuel beds <i>W. R. Anderson, E. A. Catchpole and B. W. Butler</i> <i>International Journal of Wildland Fire</i> 19 , 284–298	cc ga re	onvective heating al as temperature and gimes were identi	head of a fire front. I horizontal gas velo	wind tunnel to measure Measurements included city. Three general flow sed to characterize the nd fuel bed.
Assessing the exposure of the built environment to potential ignition sources generated from vegetative fuel J. L. Beverly, P. Bothwell, J. C. R. Conner and E. P. K. Herd International Journal of Wildland Fire 19, 299–313	or po ar in ar	n the degree or lev- potential ignition so pproach can be use terface as a means	el of exposure of the urces generated fro d to map the exten- s of informing strat ties, and to compar	rface is assessed based ne built environment to om vegetative fuel. The t of the wildland–urban egic planning exercises e conditions within and
Flammability descriptors of fine dead fuels resulting from two mechanical treatments in shrubland: a comparative laboratory study <i>Eva Marino, Javier Madrigal, Mercedes Guijarro,</i> <i>Carmen Hernando, Carmen Díez</i> <i>and Cristina Fernández</i> <i>International Journal of Wildland Fire</i> 19 , 314–324	ic in	al fuel treatments of a shrubland comr	on flammability of munity of north-we	e effects of two mechan- resulting fine dead fuels stern Spain in order to ildfire initiation risk.
A model for predicting human-caused wildfire occurrence in the region of Madrid, Spain <i>Lara Vilar, Douglas G. Woolford, David L. Martell</i> <i>and M. Pilar Martín</i> <i>International Journal of Wildland Fire</i> 19 , 325–337	90 th w pr fo	0% of wildfires are e development of a ildfire occurrence resence of railway rrest areas were hig	e caused by human a spatio-temporal m prediction in Mad s, roads and wildl	uch as Spain more than s. This paper describes odel for human-caused rid, central Spain. The and–urban interface in were the observed daily n.
Australian grassland fire danger using inputs from the GRAZPLAN grassland simulation model <i>A. Malcolm Gill, Karen J. King</i> <i>and Andrew D. Moore</i> International Journal of Wildland Fire 19 , 338–345	(C ul th us w	GFDI) cannot be as ator and archived e index is possible sing input data for t	sessed. However, by weather data, retros e. Two versions of hree types of grass ial fire intensities v	and Fire Danger Index y using a grassland sim- spective examination of GFDI were compared and 54 years of archived vere also calculated for

Turbulent kinetic energy during wildfires in the north central and north-eastern US <i>Warren E. Heilman and Xindi Bian</i> <i>International Journal of Wildland Fire</i> 19 , 346–363	This paper examines the spatial and temporal patterns of ambi- ent atmospheric turbulence in the vicinity of recent wildfire events in the western Great Lakes and north-eastern regions of the United States. Results indicate that large wildfires and peri- ods of rapid fire growth were often associated with episodes of significant turbulence.
Beyond wildfire: perspectives of climate, managed fire and policy in the USA <i>Crystal A. Kolden and Timothy J. Brown</i> <i>International Journal of Wildland Fire</i> 19 , 364–373	We present the results of a survey showing US fire managers do not widely utilise climate information in their prescribed fire programs. We suggest that this stems from a glaring gap we find in US fire policy, which does not currently acknowledge the critical role climate plays in wildfire regimes.
Critique of Sikkink and Keane's comparison of surface fuel sampling techniques <i>Clinton S. Wright, Roger D. Ottmar</i> <i>and Robert E. Vihnanek</i> <i>International Journal of Wildland Fire</i> 19 , 374–376	In 2008, Sikkink and Keane compared five methods to estimate surface fuel loading: planar intersect, fixed-area plot, photoload, photoload macroplot and photo series. We feel that study design limitations and incorrect use may have led the authors to infer that the photo series method was the least accurate.



A pine tree sapling grows through the charred remains of a forest fire. Photo: L. Sawyer