International Journal of Wildland Fire

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| Adoption and perceptions of shelter-in-place in Californ Rancho Santa Fe Fire Protection District Travis B. Paveglio, Matthew S. Carroll and Pamela J. Jakes International Journal of Wildland Fire 19, 677–688 | emer wildl imple a bro | ging US strateg and fire events. ementation of or ad category of | s public and professional perception of ies for protecting local residents during We focus on the social factors leading to be version of alternatives to evacuation – strategies designed to allow residents to a wildfire threatens their area. |
| Building bridges to fight fire: the role of informal social interactions in six Colorado wildland—urban interface communities *Hannah Brenkert-Smith* International Journal of Wildland Fire 19, 689–697 | study disse scale | highlights the romination of wilds cooperative effort | rviews with full- and part-time owners, this ole informal social interactions play in the fire information and galvanisation of small-rts to reduce risk by linking those not likely of outreach efforts with those who are. |
| Field estimation of ash and char colour-lightness using a standard grey scale David P. Roy, Luigi Boschetti, Stefan W. Maier and Alistair M. S. Smith International Journal of Wildland Fire 19, 698–704 | samp A sig and t | les was compare nificant linear re ne mean reflectar | elength reflectance of combustion residue and to visually evaluated grey-scale scores, elationship between the grey-scale scores nee was found, suggesting that combustion less can be assessed using a grey scale. |
| Global assessment of the temporal reporting accuracy and precision of the MODIS burned area product Luigi Boschetti, David P. Roy, Christopher O. Justice and Louis Giglio International Journal of Wildland Fire 19, 705–709 | repor fire d data | ted in the MODI etections as refer | method for validating the time of detection S global burned area product, using active rence dataset. Analysis of 6 years of global of the MODIS burned area detections are ctive fire. |
| Burn severity mapping using simulation modelling and satellite imagery <i>Eva C. Karau and Robert E. Keane International Journal of Wildland Fire</i> 19 , 710–724 | simu burn with rehab synei | ation model-base severity with the information and ilitation objective gistically may be | es and contrasts satellite imagery- and ed approaches to mapping fire effects and intention of providing resource managers tools to more effectively meet burned area es. An approach that uses these two tools e optimal, depending on management priocircumstances of the fire event. |
| Integrating fuel treatment into ecosystem management: a proposed project planning process Keith D. Stockmann, Kevin D. Hyde, J. Greg Jones, Dan R. Loeffler and Robin P. Silverstein International Journal of Wildland Fire 19, 725–736 | with syste envir asses | other land mana m management onmental conserv sment modelling | n hazardous fuel treatments in conjunction agement activities in the context of eco- t policies requiring multiple-use and vation objectives. We present an integrated process for accomplishing multiple attri- ts for land management alternatives. |
| Prescribed burning of thinning slash in regrowth stands of jarrah (<i>Eucalyptus marginata</i>) following bauxite mining in south-west Australia Andrew H. Grigg, Melanie A. Norman and Carl D. Grant International Journal of Wildland Fire 19, 737–745 | year- are re fuel (erate | old regrowth jarn lated to resultant characteristics. F but autumn bur | and structure after thinning in 10- to 13-rah stands established after bauxite mining fire behaviour and subsequent recovery in ire intensities were typically low to modning after thinning is not recommended torey regrowth poses a future fire risk. |
| Minimal effectiveness of native and non-native seeding following three high-severity wildfires Ken A. Stella, Carolyn H. Sieg and Pete Z. Fulé International Journal of Wildland Fire 19 , 746–758 | three speci reduc did n | wildfires in Ariz es or native se ing bare groun ot significantly i | experimental, replicated study following sona. Seeding with either single non-native sed mixes was generally ineffective in d and curtailing non-native plants, and ncrease plant canopy cover. Natural plants and seeding was minimally effective. |

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Effect of heat shock on germination of 23 plant species in pine—oak and montane cloud forests in western Mexico **Susana Zuloaga-Aguilar, Oscar Briones and Alma Orozco-Segovia** International Journal of Wildland Fire **19**, 759–773

Germination of seeds of 23 species growing in pine—oak and montane cloud forest was stimulated by high temperatures similar to those registered during fires. Moisture of the substrate during exposure to high temperatures and the water content of seeds had a species-dependent effect on seed germination.

Methods to determine the impact of rainfall on fuels and burned area in southern African savannas *S. Archibald, A. Nickless, R. J. Scholes and R. Schulze International Journal of Wildland Fire* **19**, 774–782

In southern African savannas, grass production, and therefore the annual extent of fire, is highly dependent on rainfall. Here long term fire data from six national parks in southern Africa were used to explore how annual area burned responds to prefire accumulated rainfall in grass-fuelled systems. A standardised accumulated rainfall index was derived which can be used for regional comparisons and to inform management.

Fuel loading and flammability in the Mediterranean Basin woody species with different post-fire regenerative strategies

Post-fire regenerative groups differ on their flammability and fuel loading properties. In fact, results suggest that ecosystems dominated by seeder species are more susceptible to fire risk than those dominated by non-seeder species in the Mediterranean Basin. We propose that these differences may be the result of selective pressures associated with both fire and climate.

S. Saura-Mas, S. Paula, J. G. Pausas and F. Lloret International Journal of Wildland Fire 19, 783–794

Understorey fire propagation and tree mortality on adjacent areas to an Amazonian deforestation fire J. A. Carvalho, Jr., C. A. Gurgel Veras, E. C. Alvarado, D. V. Sandberg, S. J. Leite, R. Gielow, E. R. C. Rabelo and J. C. Santos

International Journal of Wildland Fire 19, 795–799

Fires that escape from deforestation burns into the understorey of Amazon primary forest spread slowly and are of low intensity. However, they cause high mortality rates. This firecaused mortality is evidence of the synergistic effect between slash burning, tree mortality and future fire vulnerability on the forest–land clearing interfaces.

Effect of drying temperature on fuel moisture content measurements

Stuart Matthews

International Journal of Wildland Fire 19, 800–802

Laboratory measurements are used to demonstrate that drying temperature has an effect on the oven-dry mass of dead grass, pine and eucalyptus fuels. Differences between oven-dry masses of fuels dried at 60 and 105°C of up to 3.5% were measured. This difference is large enough to affect fire behaviour predictions.



Wildfire in pine forest, Turkey.
Photo: Aykut Ince