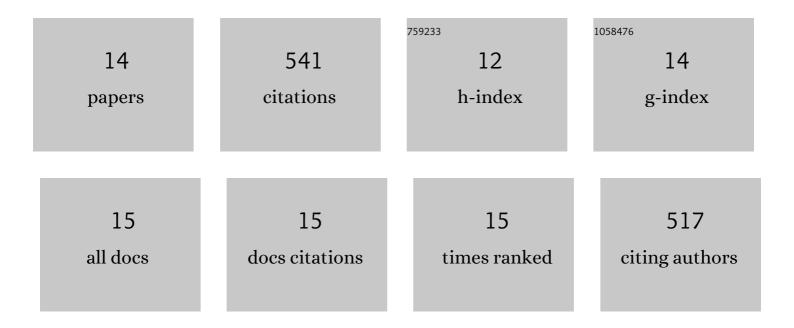
## **Russell A Parsons**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/44026/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Relationships between moisture, chemistry, and ignition of Pinus contorta needles during the early stages of mountain pine beetle attack. Forest Ecology and Management, 2012, 269, 52-59.	3.2	111
2	Linking 3D spatial models of fuels and fire: Effects of spatial heterogeneity on fire behavior. Ecological Modelling, 2011, 222, 679-691.	2.5	93
3	Numerical Simulation of Crown Fire Hazard Immediately after Bark Beetle-Caused Mortality in Lodgepole Pine Forests. Forest Science, 2012, 58, 178-188.	1.0	52
4	Numerical Investigation of Aggregated Fuel Spatial Pattern Impacts on Fire Behavior. Land, 2017, 6, 43.	2.9	49
5	Modeling spatial and temporal dynamics of wind flow and potential fire behavior following a mountain pine beetle outbreak in a lodgepole pine forest. Agricultural and Forest Meteorology, 2015, 204, 79-93.	4.8	48
6	Modeling fuels and fire effects in 3D: Model description and applications. Environmental Modelling and Software, 2016, 80, 225-244.	4.5	40
7	Advancing the Science of Wildland Fire Dynamics Using Process-Based Models. Fire, 2018, 1, 32.	2.8	35
8	Surface Fire Intensity Influences Simulated Crown Fire Behavior in Lodgepole Pine Forests with Recent Mountain Pine Beetle-Caused Tree Mortality. Forest Science, 2013, 59, 390-399.	1.0	22
9	Modeling thinning effects on fire behavior with STANDFIRE. Annals of Forest Science, 2018, 75, 1.	2.0	21
10	Modeling tree-level fuel connectivity to evaluate the effectiveness of thinning treatments for reducing crown fire potential. Forest Ecology and Management, 2012, 264, 134-149.	3.2	20
11	Deriving Fire Behavior Metrics from UAS Imagery. Fire, 2019, 2, 36.	2.8	20
12	Representativeness of wind measurements in fire experiments: Lessons learned from large-eddy simulations in a homogeneous forest. Agricultural and Forest Meteorology, 2017, 232, 479-488.	4.8	16
13	Simulated western spruce budworm defoliation reduces torching and crowning potential: a sensitivity analysis using a physics-based fire model. International Journal of Wildland Fire, 2014, 23, 709.	2.4	9
14	Mapping Fine-Scale Crown Scorch in 3D with Remotely Piloted Aircraft Systems. Fire, 2022, 5, 59.	2.8	4