

Donovan L Mathias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9455469/publications.pdf>

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8
papers

286
citations

1163117
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1588992
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all docs

8
docs citations

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times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of the effect of obstacle shape on deflagration to detonation transition in a hydrogen-air mixture. <i>Combustion and Flame</i> , 2019, 209, 278-290.	5.2	38
2	Inference of meteoroid characteristics using a genetic algorithm. <i>Icarus</i> , 2019, 329, 270-281.	2.5	9
3	Hydrocode simulations of asteroid airbursts and constraints for Tunguska. <i>Icarus</i> , 2019, 327, 36-47.	2.5	22
4	Atmospheric energy deposition modeling and inference for varied meteoroid structures. <i>Icarus</i> , 2018, 315, 79-91.	2.5	24
5	Asteroid fragmentation approaches for modeling atmospheric energy deposition. <i>Icarus</i> , 2017, 284, 157-166.	2.5	53
6	A probabilistic asteroid impact risk model: assessment of sub-300 m impacts. <i>Icarus</i> , 2017, 289, 106-119.	2.5	67
7	A fragment-cloud model for asteroid breakup and atmospheric energy deposition. <i>Icarus</i> , 2017, 295, 149-169.	2.5	56
8	Effect of yield curves and porous crush on hydrocode simulations of asteroid airburst. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 599-613.	3.6	17