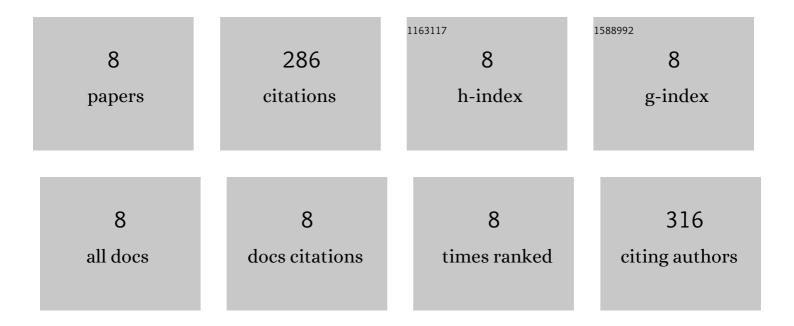
## Donovan L Mathias

List of Publications by Year in descending order

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

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DONOVAN L MATHIAS

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