

# Anand Karpatne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6353076/publications.pdf>

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14  
papers

119  
citations

1937685

4  
h-index

1474206

9  
g-index

14  
all docs

14  
docs citations

14  
times ranked

68  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of ablation-dominated arcs in polyamide enclosure. , 2022, , .		2
2	Computational study of a novel microwave excited plasma sensor for aerodynamic flows. Journal of Applied Physics, 2021, 129, 084503.	2.5	1
3	Modeling of atmospheric gas-stream processing using a microwave excited all-dielectric resonant plasma discharge. Journal Physics D: Applied Physics, 2021, 54, 434005.	2.8	1
4	Modeling non-equilibrium discharge and validating transient plasma characteristics at above-atmospheric pressure. Plasma Sources Science and Technology, 2018, 27, 124006.	3.1	26
5	Simulation of Arc Quenching in Hermetically Sealed Electric Vehicle Relays. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2018, 11, 149-157.	0.3	5
6	Numerical investigation of nanosecond pulsed discharge in air at above-atmospheric pressures. Journal Physics D: Applied Physics, 2018, 51, 345201.	2.8	14
7	Numerical and Experimental Study of Centrifugally Driven Flow Inside a Rotating Duct. Journal of Aircraft, 2017, 54, 1098-1108.	2.4	1
8	Experimental and Numerical Study of Internal Flow through a Rotating Duct. Journal of the American Helicopter Society, 2017, 62, 1-12.	0.8	0
9	Modeling Internal Flow Through a Rotating Duct Using Quasi 1-D Euler Equations. AIAA Journal, 2016, 54, 1603-1615.	2.6	2
10	Performance of a Mach-Scale Coaxial Counter-Rotating Rotor in Hover. Journal of Aircraft, 2016, 53, 746-755.	2.4	32
11	Vortex Ring Model of Tip Vortex Aperiodicity in a Hovering Helicopter Rotor. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	1.5	10
12	Simulations of Spark-Plug Transient Plasma Breakdown in Automotive Internal Combustion Engines. , 0, , .		4
13	Multi-dimensional Modeling of Non-equilibrium Plasma for Automotive Applications. , 0, , .		13
14	Modelling of Electrode Erosion for Prediction of Spark Plug Lifetime. , 0, , .		8