

Eric P Fahrenthold

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31
papers

212
citations

9
h-index

13
g-index

39
ext. papers

287
ext. citations

3.3
avg, IF

3.75
L-index

#	Paper	IF	Citations
31	Hamilton's Equations With Euler Parameters for Rigid Body Dynamics Modeling. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2004 , 126, 124-130	1.6	25
30	An improved hybrid particle-element method for hypervelocity impact simulation. <i>International Journal of Impact Engineering</i> , 2001 , 26, 169-178	4	23
29	A kernel free particle-finite element method for hypervelocity impact simulation. <i>International Journal for Numerical Methods in Engineering</i> , 2005 , 63, 737-759	2.4	21
28	Effects of Weave Type on Ballistic Performance of Fabrics. <i>AIAA Journal</i> , 2012 , 50, 2558-2565	2.1	15
27	Graphene-Based Sensing of Gas-Phase Explosives. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1445-1456	5.6	14
26	An ellipsoidal particle-finite element method for hypervelocity impact simulation. <i>International Journal for Numerical Methods in Engineering</i> , 2004 , 59, 737-753	2.4	13
25	Impact dynamics simulation for multilayer fabrics. <i>International Journal for Numerical Methods in Engineering</i> , 2010 , 83, 537-557	2.4	12
24	Simulation of Large Fragment Impacts on Shear-Thickening Fluid Kevlar Fabric Barriers. <i>Journal of Aircraft</i> , 2011 , 48, 2059-2067	1.6	10
23	Simulation of orbital debris impact on the Space Shuttle wing leading edge. <i>International Journal of Impact Engineering</i> , 2006 , 33, 231-243	4	9
22	Quantum Conductance of Copper-Carbon Nanotube Composites. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2018 , 140,	1.8	7
21	Simulation of Orbital Debris Impact on Porous Ceramic Tiles. <i>Journal of Spacecraft and Rockets</i> , 2014 , 51, 1349-1359	1.5	7
20	Extention and validation of a hybrid particle-finite element method for hypervelocity impact simulation. <i>International Journal of Impact Engineering</i> , 2003 , 29, 237-246	4	7
19	Graphene nanoribbons as flexible docks for chemiresistive sensing of gas phase explosives. <i>Nanoscale</i> , 2020 , 12, 10730-10736	7.7	6
18	Simulation of Hypervelocity Impact Effects on Reinforced Carbon-Carbon. <i>Journal of Spacecraft and Rockets</i> , 2006 , 43, 200-206	1.5	6
17	Computational Design of Metal-Fabric Orbital Debris Shielding. <i>Journal of Spacecraft and Rockets</i> , 2017 , 54, 1060-1067	1.5	5
16	Ab Initio Study of Iodine-Doped Carbon Nanotube Conductors. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2018 , 140,	1.8	5
15	Simulation of Foam-Impact Effects on the Space Shuttle Thermal Protection System. <i>Journal of Spacecraft and Rockets</i> , 2005 , 42, 201-207	1.5	5

14	Potassium-Doped Graphene Nanoribbons for High-Specific Conductivity Wiring. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2873-2880	5.6	4
13	Conductance of Curved 3M \square Armchair Graphene Nanoribbons. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21805-21812	3.8	3
12	Explosive molecule sensing at lattice defect sites in metallic carbon nanotubes. <i>Materials Advances</i> ,	3.3	3
11	Mass specific performance of potassium tetrabromoaurate as a carbon nanotube dopant. <i>Computational Materials Science</i> , 2021 , 197, 110573	3.2	3
10	Impact Dynamics Simulation for Multilayer Fabrics of Various Weaves. <i>AIAA Journal</i> , 2015 , 53, 1793-1811	2.1	2
9	Conductance of Buckled = 5 Armchair Graphene Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1378-1383	6.4	1
8	Magnetorheological Damping of Fragment Barrier Suspension Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2018 , 140,	1.6	1
7	Evaluation of magnetostrictive composite coated fabric as a fragment barrier material. <i>Smart Materials and Structures</i> , 2012 , 21, 105027	3.4	1
6	Simulation of Large Fragment Impacts on Neat and STF Kevlar Fabric Barriers 2011 ,		1
5	Spin current distribution in antiferromagnetic zigzag graphene nanoribbons under transverse electric fields. <i>Scientific Reports</i> , 2021 , 11, 17088	4.9	1
4	Functionalized Metallic Carbon Nanotube Arrays for Gas Phase Explosives Detection. <i>Computational and Theoretical Chemistry</i> , 2021 , 1205, 113460	2	1
3	Functionalized semiconducting carbon nanotube arrays for gas phase explosives detection. <i>Surface Science</i> , 2022 , 717, 121998	1.8	0
2	Eddy current measurement of chemiresistive sensing transients in monolayer graphene. <i>Applied Materials Today</i> , 2022 , 26, 101291	6.6	0
1	Mass specific performance of halogen and alkali metal based dopants in carbon nanotube wiring. <i>Materials Today Communications</i> , 2022 , 30, 102983	2.5	