

# Xu-Dong Zu

## List of Publications by Year in descending order

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25  
papers

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citations

1163117

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Mach Wave Control in Explosively Formed Projectile Warhead. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 909-915.	1.6	18
2	Calculation of Depth and Crater Diameter for the Supersonic Penetration of Shaped Charge Jet into Concrete. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 224-231.	1.6	17
3	Influence of Drift Velocity and Distance Between Jet Particles on the Penetration Depth of Shaped Charges. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 76-83.	1.6	16
4	Effect of Mesoscale and Multiscale Modeling on the Performance of Kevlar Woven Fabric Subjected to Ballistic Impact: A Numerical Study. <i>Applied Composite Materials</i> , 2013, 20, 1195-1214.	2.5	13
5	Blast Resistance of 240 mm Building Wall Coated with Polyurea Elastomer. <i>Materials</i> , 2022, 15, 850.	2.9	10
6	Theoretical Study of a Diesel-Filled Airtight Structure Unit Subjected to Shaped Charge Jet Impact. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 62-68.	1.6	9
7	Study on Rubber Composite Armor Anti-Shaped Charge Jet Penetration. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 695-702.	1.6	8
8	Effects of Liquid Parameters on Liquid-Filled Compartment Structure Defense Against Metal Jet. <i>Materials</i> , 2019, 12, 1809.	2.9	8
9	Vibration Suppression Performance of FRP Spherical-Cylindrical Shells with Porous Graphene Platelet Coating in a Thermal Environment. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	8
10	Study on liquid-filled structure target with shaped charge vertical penetration. <i>Defence Technology</i> , 2019, 15, 861-867.	4.2	7
11	Spaced Armor Effects on Shaped Charge Jet Penetration. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 127-132.	1.6	6
12	An Amplitude- and Temperature-Dependent Vibration Model of Fiber-Reinforced Composite Thin Plates in a Thermal Environment. <i>Materials</i> , 2020, 13, 1590.	2.9	6
13	Effect of External Magnetic Field Loaded at the Initial Period of Inertial Stretching Stage on the Stability of Shaped Charge Jet. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 875-881.	1.3	5
14	Study on the Interference Process of Liquid Radial Reflux on the Stability of a Shaped Charge Jet. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8044.	2.5	5
15	Theoretical and Experimental Study on the Effects of Impact Angle on the Performance of Kevlar Woven Fabric Rubber Composite Armor against Shaped Charge Jet Impact. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 945-953.	1.6	3
16	Experimental Study on Jet Formation and Penetration Characteristics of Square cross-section Shaped Charge. <i>Latin American Journal of Solids and Structures</i> , 2021, 18, .	1.0	3
17	Compressive Behavior of (Cu <sub>0.47</sub> Zr <sub>0.45</sub> Al <sub>0.08</sub> ) <sub>98</sub> Dy <sub>2</sub> Bulk Metallic Glass at Different Strain Rates. <i>Materials</i> , 2020, 13, 5828.	2.9	3
18	Theoretical Study on Equivalent Target of Ceramic Composite Armor. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 576-582.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Experimental study on the energy dissipation of foam concrete plate fragmentation under explosion loading. Latin American Journal of Solids and Structures, 2022, 19, .	1.0	2
20	Crater expansion of jet oblique penetration into the thin metal plate. Thin-Walled Structures, 2022, 172, 108752.	5.3	1
21	Influence of strongly-constrained liquid-filled composite armor on stability of incoming shaped charge jet during eccentric penetration. Latin American Journal of Solids and Structures, 2022, 19, .	1.0	1
22	A Research of Pulse Source for EFT Test of Electrical Vehicle Piles. Applied Sciences (Switzerland), 2021, 11, 6720.	2.5	0
23	Study on the explosion-proof performance of polyurea-reinforced masonry walls with different spraying methods. , 2019, , .		0
24	Study on jet formation and penetration of double-layer sub-caliber shaped charge. , 2019, , .		0
25	Pressure on liner surface of the shaped charge with isosceles trapezoidal cross section. Journal of Energetic Materials, 2024, 42, 230-248.	2.0	0