

# Ruizhi Wang

## List of Publications by Year in descending order

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18  
papers

113  
citations

1307594

7  
h-index

1372567

10  
g-index

18  
all docs

18  
docs citations

18  
times ranked

42  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical properties of PZT under high-pressure stress pulse: Effects of loading frequency and circuit load. <i>Ceramics International</i> , 2022, 48, 2421-2430.	4.8	5
2	Discharge characteristics of pre-polarized doped lead zirconate titanate under impact at room and high temperature. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2234-2247.	3.8	1
3	Dynamic fracture behavior of piezoelectric ceramics under impact: Force-electric response and electrical breakdown. <i>Journal of the European Ceramic Society</i> , 2021, 41, 139-150.	5.7	10
4	Construction of PZT-5H mechano-electric model based on strain rate dependence and its numerical simulation in overload igniter application. <i>Mechanics of Materials</i> , 2021, 157, 103837.	3.2	7
5	Relationships between shock stress and electrical output characteristics for PZT-5H under high-velocity impact loading. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 2035-2042.	2.6	2
6	Research on layer-counting experimental simulation system for projectile penetrating multi-layered targets. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107108.	5.0	8
7	Experimental research on dynamic response of PZT-5H under impact load. <i>Ceramics International</i> , 2020, 46, 2868-2876.	4.8	21
8	Discharge characteristics of fractured soft piezoelectric ceramics under repeated impact. <i>Ceramics International</i> , 2020, 46, 23499-23504.	4.8	5
9	Experimental simulation of self-powered overload igniter based on Lead Zirconate Titanate. <i>Sensors and Actuators A: Physical</i> , 2020, 314, 112222.	4.1	12
10	Electromechanical behaviors of soft and hard PZTs under different compressive stress pulses. <i>Mechanics of Materials</i> , 2020, 149, 103544.	3.2	9
11	Experimental Research of Electrical Output Characteristics of Stacked PZT-5H Under High-Overload Conditions. <i>Journal of Electronic Materials</i> , 2019, 48, 2737-2744.	2.2	6
12	Dynamic Piezoelectric Properties of PZT-5H Under Shock Compression. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800859.	1.8	10
13	Experimental research on piezoelectric ceramics activating micro-sized thermochemical battery. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1639-1650.	2.1	5
14	The Propagation of Stress Wave in the PZT-5H Composite Target and the Influence of Load Resistance on the Electrical Output Under the Strong Shock Loading. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 415-421.	1.3	10
15	Influence of different gaps among the split targets with gradient potential to the discharge effects generated by hypervelocity impact. <i>AIP Advances</i> , 2018, 8, .	1.3	0
16	The spatial distributions of characteristic parameters for plasma created by hypervelocity impact. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2018, 57, 69-81.	0.6	0
17	Electrostatic Discharge of Plasma Created by Hypervelocity Impact 2A12 Aluminum Targets With Gradient Potential. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 2865-2874.	1.3	2
18	A new-type multifunctional small caliber projectile and self-powered ignition features under impact load. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	2.7	0