

Pengwan Chen

List of Publications by Year in descending order

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papers

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143
times ranked

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#	ARTICLE	IF	CITATIONS
1	Interfacial Residual Stress Relaxation in Perovskite Solar Cells with Improved Stability. <i>Advanced Materials</i> , 2019, 31, e1904408.	11.1	259
2	Edge-to-Edge Assembled Graphene Oxide Aerogels with Outstanding Mechanical Performance and Superhigh Chemical Activity. <i>Small</i> , 2013, 9, 1397-1404.	5.2	182
3	Evaluation of the quality of a speckle pattern in the digital image correlation method by mean subset fluctuation. <i>Optics and Laser Technology</i> , 2011, 43, 9-13.	2.2	137
4	Recent progress in carbonyl-based organic polymers as promising electrode materials for lithium-ion batteries (LIBs). <i>Journal of Materials Chemistry A</i> , 2020, 8, 11906-11922.	5.2	134
5	Characterization of the condensed carbon in detonation soot. <i>Carbon</i> , 2003, 41, 2093-2099.	5.4	107
6	One-step solution combustion synthesis of CuO/Cu ₂ O/C anode for long cycle life Li-ion batteries. <i>Carbon</i> , 2019, 142, 51-59.	5.4	79
7	Residual stress in thermal spray coatings measured by curvature based on 3D digital image correlation technique. <i>Surface and Coatings Technology</i> , 2011, 206, 1396-1402.	2.2	68
8	Microstructure, deformation and failure of polymer bonded explosives. <i>Journal of Materials Science</i> , 2007, 42, 5272-5280.	1.7	64
9	Deformation and failure of polymer bonded explosives under diametric compression test. <i>Polymer Testing</i> , 2006, 25, 333-341.	2.3	59
10	Experimental study on the micromechanical behavior of a PBX simulant using SEM and digital image correlation method. <i>Optics and Lasers in Engineering</i> , 2011, 49, 366-370.	2.0	58
11	Self-Assembling VO ₂ Nanonet with High Switching Performance at Wafer-Scale. <i>Chemistry of Materials</i> , 2015, 27, 7419-7424.	3.2	58
12	Evolution of Structural and Electrical Properties of Oxygen-Deficient VO ₂ under Low Temperature Heating Process. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27135-27141.	4.0	52
13	Molecular Hinges Stabilize Formamidinium-Based Perovskite Solar Cells with Compressive Strain. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	50
14	Numerical and Experimental Studies on the Explosive Welding of Tungsten Foil to Copper. <i>Materials</i> , 2017, 10, 984.	1.3	48
15	Microstructure characterization and tensile shear failure mechanism of the bonding interface of explosively welded titanium-steel composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 820, 141559.	2.6	47
16	Modeling ignition prediction of HMX-based polymer bonded explosives under low velocity impact. <i>Mechanics of Materials</i> , 2018, 124, 106-117.	1.7	43
17	Investigation on the Explosive Welding of 1100 Aluminum Alloy and AZ31 Magnesium Alloy. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2635-2641.	1.2	42
18	Monitoring micro-structural evolution during aluminum sintering and understanding the sintering mechanism of aluminum nanoparticles: A molecular dynamics study. <i>Journal of Materials Science and Technology</i> , 2020, 57, 92-100.	5.6	42

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19	High-strain-rate plastic deformation and fracture behaviour of Ti-5Al-5Mo-5V-1Cr-1Fe titanium alloy at room temperature. <i>Mechanics of Materials</i> , 2018, 116, 3-10.	1.7	39
20	Cross-Sectional Residual Stresses in Thermal Spray Coatings Measured by Moiré Interferometry and Nanoindentation Technique. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 810-817.	1.6	36
21	Dynamic shear deformation and failure of Ti-5Al-5Mo-5V-1Cr-1Fe titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 694, 41-47.	2.6	35
22	Effect of microstructure on mechanical properties of titanium-steel explosive welding interface. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 830, 142260.	2.6	35
23	Fabrication of W-Cu composite by shock consolidation of Cu-coated W powders. <i>Journal of Alloys and Compounds</i> , 2016, 657, 215-223.	2.8	34
24	Fabrication and characterization of the Ni-Al energetic structural material with high energy density and mechanical properties. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154894.	2.8	33
25	Hydrothermal growth of VO ₂ nanoplate thermochromic films on glass with high visible transmittance. <i>Scientific Reports</i> , 2016, 6, 27898.	1.6	32
26	Non-Shock Ignition Probability of Octahydro-1,3,5,7-Tetranitro-Tetrazocine-Based Polymer Bonded Explosives Based on Microcrack Stochastic Distribution. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 568-580.	1.0	32
27	Joining AlCoCrFeNi high entropy alloys and Al-6061 by explosive welding method. <i>Vacuum</i> , 2020, 174, 109221.	1.6	32
28	Enhanced synthesis method of graphene oxide. <i>Nanoscale Advances</i> , 2021, 3, 223-230.	2.2	30
29	The combustion behavior of boron particles by using molecular perovskite energetic materials as high-energy oxidants. <i>Combustion and Flame</i> , 2022, 241, 112118.	2.8	30
30	Buckling modes of polymer membranes restricted by metal wires. <i>Soft Matter</i> , 2011, 7, 2888.	1.2	29
31	Shock-wave synthesis of multilayer graphene and nitrogen-doped graphene materials from carbonate. <i>Carbon</i> , 2015, 94, 928-935.	5.4	29
32	Fabrication of visible-light-driven Ag/TiO ₂ heterojunction composites induced by shock wave. <i>Journal of Alloys and Compounds</i> , 2016, 679, 463-469.	2.8	29
33	Preparation of graphene by electrical explosion of graphite sticks. <i>Nanoscale</i> , 2017, 9, 10639-10646.	2.8	29
34	Ignition criterion and safety prediction of explosives under low velocity impact. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	28
35	Effects of microstructure on the dynamic properties of TA15 titanium alloy. <i>Mechanics of Materials</i> , 2019, 137, 103121.	1.7	28
36	Fabrication technique of micro/nano-scale speckle patterns with focused ion beam. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 1037-1044.	2.0	27

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37	Experimental and Numerical Study on Microstructure and Mechanical Properties of Ti-6Al-4V/Al-1060 Explosive Welding. <i>Metals</i> , 2019, 9, 1189.	1.0	27
38	The role of tension-compression asymmetrical microcrack evolution in the ignition of polymer-bonded explosives under low-velocity impact. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	27
39	Detection and characterization of long-pulse low-velocity impact damage in plastic bonded explosives. <i>International Journal of Impact Engineering</i> , 2005, 31, 497-508.	2.4	25
40	Characterization of fine-grained W-10wt.% Cu composite fabricated by hot-shock consolidation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 52, 137-142.	1.7	25
41	A corrugated gradient mechanical metamaterial: Lightweight, tunable auxeticity and enhanced specific energy absorption. <i>Thin-Walled Structures</i> , 2022, 176, 109355.	2.7	25
42	Controlled Ag-TiO ₂ heterojunction obtained by combining physical vapor deposition and bifunctional surface modifiers. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 119, 147-156.	1.9	24
43	Comprehensive simulations of rock fracturing with pre-existing cracks by the numerical manifold method. <i>Acta Geotechnica</i> , 2022, 17, 857-876.	2.9	24
44	Solvent-less method for efficient photocatalytic γ -Fe ₂ O ₃ nanoparticles using macromolecular polymeric precursors. <i>New Journal of Chemistry</i> , 2016, 40, 6768-6776.	1.4	23
45	One Step Preparation of Fe-FeO-Graphene Nanocomposite through Pulsed Wire Discharge. <i>Crystals</i> , 2018, 8, 104.	1.0	23
46	High strain rate deformation of explosion-welded Ti6Al4V/pure titanium. <i>Defence Technology</i> , 2020, 16, 678-688.	2.1	23
47	Recent strategies to improve moisture stability in metal halide perovskites materials and devices. <i>Journal of Energy Chemistry</i> , 2022, 65, 219-235.	7.1	23
48	Observation of damage evolution in polymer bonded explosives using acoustic emission and digital image correlation. <i>Polymer Testing</i> , 2011, 30, 861-866.	2.3	22
49	Simulations of meso-scale deformation and damage of polymer bonded explosives by the numerical manifold method. <i>Engineering Analysis With Boundary Elements</i> , 2018, 96, 123-137.	2.0	22
50	Nitrogen-doped titania photocatalysts induced by shock wave. <i>Materials Research Bulletin</i> , 2009, 44, 1842-1845.	2.7	21
51	One-step detonation-assisted synthesis of Fe ₃ O ₄ -Fe@BCNT composite towards high performance lithium-ion batteries. <i>Nanoscale</i> , 2017, 9, 14376-14384.	2.8	21
52	Effect of microstructure on the mechanical properties of Ti-5Al-5Mo-5V-1Cr-1Fe alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138728.	2.6	21
53	Investigation on the interfacial microstructure and mechanical properties of the W-Cu joints fabricated by hot explosive welding. <i>Journal of Materials Processing Technology</i> , 2022, 300, 117400.	3.1	20
54	Welding Window: Comparison of Deribas™ and Wittman™s Approaches and SPH Simulation Results. <i>Metals</i> , 2019, 9, 1323.	1.0	19

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55	Quasi-static in-plane compression of zig-zag folded metamaterials at large plastic strains. <i>Thin-Walled Structures</i> , 2021, 159, 107285.	2.7	19
56	Dynamic mechanical contact behaviors and sintering mechanism of Al nanoparticles subjected to high-speed impact. <i>Materials Chemistry and Physics</i> , 2021, 273, 125111.	2.0	19
57	Comparative study of the fracture toughness determination of a polymer-bonded explosive simulant. <i>Engineering Fracture Mechanics</i> , 2011, 78, 2991-2997.	2.0	18
58	Quasi-static tensile deformation and fracture behavior of a highly particle-filled composite using digital image correlation method. <i>Theoretical and Applied Mechanics Letters</i> , 2011, 1, 051002.	1.3	18
59	Reaction synthesis of TiSi ₂ and Ti ₅ Si ₃ by ball-milling and shock loading and their photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2013, 555, 375-380.	2.8	18
60	Fabrication of Nanocrystalline AlCoCrFeNi High Entropy Alloy through Shock Consolidation and Mechanical Alloying. <i>Entropy</i> , 2019, 21, 880.	1.1	18
61	Symmetric Confined Growth of Superstructured Vanadium Dioxide Nanonet with a Regular Geometrical Pattern by a Solution Approach. <i>Crystal Growth and Design</i> , 2017, 17, 5838-5844.	1.4	17
62	Shear localization and recrystallization in high strain rate deformation in Ti-5Al-5Mo-5V-1Cr-1Fe alloy. <i>Materials Letters</i> , 2018, 232, 142-145.	1.3	17
63	Fabrication and characterization of the Mo/cu bimetal with thick Mo layer and high interfacial strength. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 94, 105383.	1.7	17
64	Shock induced conversion of carbon dioxide to few layer graphene. <i>Carbon</i> , 2017, 115, 471-476.	5.4	17
65	Fabrication and characterization of pure tungsten using the hot-shock consolidation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 42, 215-220.	1.7	16
66	Stabilizing Metastable Polymorphs of Metal-Organic Frameworks via Encapsulation of Graphene Oxide and Mechanistic Studies. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32828-32837.	4.0	16
67	Dynamic Shear Deformation and Failure of Ti-6Al-4V and Ti-5Al-5Mo-5V-1Cr-1Fe Alloys. <i>Materials</i> , 2018, 11, 76.	1.3	16
68	Investigation on Explosive Welding of Zr ₅₃ Cu ₃₅ Al ₁₂ Bulk Metallic Glass with Crystalline Copper. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2932-2937.	1.2	16
69	Dynamic behavior and adiabatic shearing formation of the commercially pure titanium with explosion-induced gradient microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 833, 142340.	2.6	16
70	Synthesis of N-doped TiO ₂ with Different Nitrogen Concentrations by Mild Hydrothermal Method. <i>Materials and Manufacturing Processes</i> , 2014, 29, 1162-1167.	2.7	15
71	The effect of heating rate on the sintering of aluminum nanospheres. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11684-11697.	1.3	15
72	Dynamic forced shear characteristics of Ti-6Al-4V alloy using flat hat-shaped specimen. <i>Engineering Fracture Mechanics</i> , 2020, 238, 107286.	2.0	14

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73	Comparative experimental study of the dynamic properties and adiabatic shear susceptibility of titanium alloys. <i>European Journal of Mechanics, A/Solids</i> , 2021, 85, 104137.	2.1	14
74	Meso-scale failure simulation of polymer bonded explosive with initial defects by the numerical manifold method. <i>Computational Materials Science</i> , 2020, 173, 109425.	1.4	13
75	Modelling Microstructural Deformation and the Failure Process of Plastic Bonded Explosives Using the Cohesive Zone Model. <i>Materials</i> , 2019, 12, 3661.	1.3	12
76	Effects of microstructure on mechanical and energy release properties of Ni-Al energetic structural materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 849, 143332.	2.6	12
77	One-pot hydrothermal synthesis of flower-like MnO ₂ nanostructure with rich oxygen vacancy for catalysis thermal-induced pyrolysis of energetic molecular perovskite. <i>Vacuum</i> , 2022, 203, 111234.	1.6	12
78	Study on the mechanical behavior of adhesive interface by digital image correlation. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 574-580.	2.0	11
79	Formation of bonding interface in explosive welding—a molecular dynamics approach. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 415403.	0.7	11
80	Shock-induced large-depth gradient microstructure in commercial pure titanium subjected to explosive hardening. <i>Materials and Design</i> , 2022, 213, 110309.	3.3	11
81	Scalable Conversion of CO ₂ to N-Doped Carbon Foam for Efficient Oxygen Reduction Reaction and Lithium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3358-3366.	3.2	10
82	CO ₂ Conversion into N-Doped Carbon Nanomesh Sheets. <i>ACS Applied Nano Materials</i> , 2019, 2, 2991-2998.	2.4	10
83	Quasi-static compression properties of graphene aerogel. <i>Diamond and Related Materials</i> , 2021, 111, 108225.	1.8	10
84	The influence of the drying method on the microstructure and the compression behavior of graphene aerogel. <i>Diamond and Related Materials</i> , 2022, 121, 108772.	1.8	10
85	Microstructure and mechanical properties of the bonding interface of explosively welded TA2/Q235 composite under dynamic shear loading. <i>International Journal of Mechanical Sciences</i> , 2022, 225, 107362.	3.6	10
86	Effect of strain rate and temperature on deformation and recrystallization behaviour of BCC structure AlCoCrFeNi high entropy alloy. <i>Intermetallics</i> , 2022, 147, 107601.	1.8	10
87	Impact energy absorption behavior of graphene aerogels prepared by different drying methods. <i>Materials and Design</i> , 2022, 221, 110912.	3.3	10
88	Enhanced visible-light absorption of nitrogen-doped titania induced by shock wave. <i>Materials Letters</i> , 2011, 65, 685-687.	1.3	9
89	Effects of Specimen Size on Impact-Induced Reaction of High Explosives. <i>Combustion Science and Technology</i> , 2013, 185, 1227-1240.	1.2	9
90	Shock-induced phase transition of g-C ₃ N ₄ to a new C ₃ N ₄ phase. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	9

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91	Synthesis of nano titanium oxide with controlled oxygen content using pulsed discharge in water. <i>Advanced Powder Technology</i> , 2020, 31, 986-992.	2.0	9
92	Topography-driven delamination of thin patch adhered to wrinkling surface. <i>International Journal of Mechanical Sciences</i> , 2020, 178, 105622.	3.6	9
93	Simulation of force chains and particle breakage of granular material by numerical manifold method. <i>Powder Technology</i> , 2021, 390, 464-472.	2.1	9
94	One-step combustion synthesis of carbon-coated NiO/Ni composites for lithium and sodium storage. <i>Journal of Alloys and Compounds</i> , 2021, 884, 160927.	2.8	9
95	Existence of fractal packing in metallic glasses: molecular dynamics simulations of $C_{46}Z_{54}r$. <i>Phys. Rev. E</i> , 2021, 103, 042402.	1.1	8
96	High-Efficiency Production of Large-Size Few-Layer Graphene Platelets via Pulsed Discharge of Graphite Strips. <i>Nanomaterials</i> , 2019, 9, 1785.	1.9	8
97	Hierarchical Surface Patterns via Global Wrinkling on Curved Substrate for Fluid Drag Control. <i>Advanced Materials Interfaces</i> , 2021, 8, .	1.9	8
98	Atomistic simulation on the formation mechanism of bonding interface in explosive welding. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	8
99	Mechanical behavior of PBX with different HMX crystal size during die pressing: Experimental study and DEM simulation. <i>Composites Science and Technology</i> , 2022, 222, 109378.	3.8	8
100	Response of Graded Miura-Ori Metamaterials to Quasi-Static and Dynamic In-Plane Compression. <i>Journal of Aerospace Engineering</i> , 2022, 35, .	0.8	8
101	Chemical reaction of Ni/Al interface associated with perturbation growth under shock compression. <i>Physics of Fluids</i> , 2022, 34, .	1.6	8
102	Optical characterization of nanocarbon phases in detonation soot and shocked graphite. <i>Diamond and Related Materials</i> , 2006, 15, 1400-1404.	1.8	7
103	Preparation of Few-Layer Graphene by Pulsed Discharge in Graphite Micro-Flake Suspension. <i>Crystals</i> , 2019, 9, 150.	1.0	7
104	Meso-structure construction and effective modulus simulation of PBXs. <i>Journal of Energetic Materials</i> , 2020, 38, 261-282.	1.0	7
105	Dynamic contact behaviours involving crystalline diamond nanospheres. <i>European Journal of Mechanics, A/Solids</i> , 2020, 80, 103896.	2.1	7
106	Microstructural characterization of pressure-induced cracking in melamine/F2311 composites and crack-healing behavior via thermal-pressure aging treatment. <i>Materials and Design</i> , 2020, 189, 108538.	3.3	7
107	Shock-induced consolidation of tungsten nanoparticles—A molecular dynamics approach. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	7
108	Dynamic mechanical contact behaviours of amorphous nanoparticles subjected to high-speed impact. <i>Powder Technology</i> , 2020, 364, 689-697.	2.1	7

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109	One-step synthesis of FeO(OH) nanoparticles by electric explosion of iron wire underwater. <i>Defence Technology</i> , 2022, 18, 133-139.	2.1	7
110	Predicting the mechanical behaviour of highly particle-filled polymer composites using the nonlinear finite element method. <i>Composite Structures</i> , 2022, 286, 115275.	3.1	7
111	Effect of particle morphology on mechanical behaviour of highly particle-filled composites. <i>International Journal of Mechanical Sciences</i> , 2022, 227, 107446.	3.6	7
112	Macro-Micro Mechanical Behavior of a Highly-Particle-Filled Composite Using Digital Image Correlation Method. , 0, , .		6
113	Measurement of dynamic fracture toughness and failure behavior for explosive mock materials. <i>Frontiers of Mechanical Engineering</i> , 2011, 6, 292.	2.5	6
114	A New S-Shape Specimen for Studying the Dynamic Shear Behavior of Metals. <i>Metals</i> , 2019, 9, 838.	1.0	6
115	Graphene Formation through Pulsed Wire Discharge of Graphite Strips in Water: Exfoliation Mechanism. <i>Nanomaterials</i> , 2021, 11, 1223.	1.9	6
116	Mechanical behavior simulation of particulate-filled composite at meso-scale by numerical manifold method. <i>International Journal of Mechanical Sciences</i> , 2022, 213, 106846.	3.6	6
117	Shock induced gradient microstructure with hierarchical nanotwins to enhance mechanical properties of Ti6Al4V alloy. <i>Journal of Materials Processing Technology</i> , 2022, 307, 117693.	3.1	6
118	Study on dynamic fracture and mechanical properties of a PBX simulant by using dic and SHPB method. , 2012, , .		5
119	Fabrication of tungsten-copper composites by hot-shock consolidation. , 2012, , .		5
120	Detonation Synthesis of Carbon-Encapsulated Magnetic Nanoparticles. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 605-611.	1.0	5
121	Effect of Continuous Damage Accumulation on Ignition of HMX-Based Polymer Bonded Explosives under Low-Velocity Impact. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 1908-1919.	1.0	5
122	Dynamic mesoscale cracking modeling of energetic composite materials in Hopkinson bar test. <i>Composite Structures</i> , 2022, 281, 114989.	3.1	5
123	Dynamic penetration behaviors of single/multi-layer graphene using nanoparticle under hypervelocity impact. <i>Scientific Reports</i> , 2022, 12, 7440.	1.6	5
124	Detonation-assisted self-assembly synthesis of carbon onions using organics with long carbon chain. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 163-169.	1.0	4
125	A molecular dynamics study on the chemical reaction of Ni/Al reactive intermetallics. <i>Journal of Applied Physics</i> , 2020, 128, 185901.	1.1	4
126	Research on the Ignition Height and Reaction Flame Temperature of PTFE/Al/Si/CuO with Different Mass Ratios of PTFE/Si. <i>Materials</i> , 2021, 14, 3464.	1.3	4

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127	Tensile behavior of the titanium-steel explosive welded interface under quasi-static and high-strain rate loading. International Journal of Solids and Structures, 2022, 254-255, 111870.	1.3	4
128	Characterization of Ta-Ni-Al energetic structural material fabricated by explosive consolidation. Journal of Alloys and Compounds, 2022, 924, 166191.	2.8	4
129	Specimen size effect of explosive sensitivity under low velocity impact. Journal of Physics: Conference Series, 2014, 500, 052026.	0.3	3
130	Local shear dominance in equation of state of metallic glass under hydrostatic pressure. Journal of Applied Physics, 2018, 124, 165901.	1.1	3
131	Absence of 2.5 power law for fractal packing in metallic glasses. Journal of Physics Condensed Matter, 2018, 30, 255402.	0.7	3
132	Formation of nanodiamond by pulsed discharge of carbon fiber wires. Applied Physics Letters, 2020, 117, .	1.5	3
133	Shock Consolidation of Ni/Al Nanoparticles: A Molecular Dynamics Simulation. Journal of Materials Engineering and Performance, 0, , 1.	1.2	3
134	Formation of black phosphorus quantum dots via shock-induced phase transformation. Applied Physics Letters, 2022, 120, .	1.5	3
135	Ti-Si photocatalyst for producing hydrogen synthesized by shock wave. , 2012, , .		2
136	Comparative Study of the Dynamic Fracture Toughness Determination of Brittle Materials Using the Kolsky-Hopkinson Bar Machine. , 2018, , 143-156.		1
137	Microstructural Evolution in High-Strain-Rate Deformation of Ti-5Al-5Mo-5V-1Cr-1Fe Alloy. Materials, 2018, 11, 839.	1.3	1
138	CO2 Conversion into N-Doped Porous Carbon-Encapsulated NiO/Ni Composite Nanomaterials as Outstanding Anode Material of Li Battery. Nanomaterials, 2020, 10, 1502.	1.9	1
139	Modeling of Impact Energy Release of PTFE/Al Reactive Material. Applied Sciences (Switzerland), 2021, 11, 8910.	1.3	1
140	Shock synthesis of nanocrystalline La2Ti2O7 powder. Journal of Applied Physics, 2021, 130, 125903.	1.1	1
141	Measurement of the Dynamic Fracture Toughness of Alumina Ceramic. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 33-38.	0.3	1
142	Gram-Scale Preparation of Black Phosphorus Nanosheets via Shock-Induced Phase Transformation. Journal of Materials Chemistry C, 0, , .	2.7	1
143	Dynamic Brazilian Test Using the Kolsky-Hopkinson Bar Machine. , 2018, , 121-141.		0