Supplementary Tables S1–S3

Table S1. Literature search and evidence-dataset construction

S1a. Web of Science search used for the 1,422-record VOSviewer dataset

Item	Setting
Database	Web of Science Core Collection (WoS)
Search date	2 October 2026
Search field and restrictions	Topic; no restriction on publication year or document type
Records	1,423 exported; 1 duplicate record removed based on UT; 1,422 unique records
Analysis	Term co-occurrence analysis of titles and abstracts using VOSviewer

Search 1. Knowledge-base search used for VOSviewer analysis

(("water jet*" OR waterjet* OR "water-jet*" OR "high pressure water jet*" OR "high-pressure water jet*" OR "ultra high pressure water jet*" OR "ultra-high-pressure water jet*" OR "high speed water jet*" OR "high-speed water jet*" OR "pulsed water jet*" OR "pulsating water jet*" OR "abrasive water jet*" OR "abrasive waterjet*" OR "abrasive suspension jet*" OR "abrasive slurry jet*" OR "cavitating water jet*" OR "cavitation water jet*" OR "cavitating jet*" OR "cavitation jet*" OR "self-resonating cavitating jet*" OR hydrojet* OR "hydro-jet*") AND ("energetic material*" OR propellant* OR "solid propellant*" OR "composite propellant*" OR "composite solid propellant*" OR "double base propellant*" OR "double-base propellant*" OR CMDB OR "polymer bonded explosive*" OR "polymer-bonded explosive*" OR "plastic bonded explosive*" OR "plastic-bonded explosive*" OR PBX OR HTPB OR NEPE OR TNT OR RDX OR HMX OR munition* OR ammunition OR ordnance OR warhead* OR "explosive charge*" OR "propellant charge*" OR "rocket motor*" OR "solid rocket motor*"))

OR

(("high pressure water jet*" OR "high-pressure water jet*" OR "high speed water jet*" OR "high-speed water jet*" OR "pulsed water jet*" OR "pulsating water jet*" OR "abrasive water jet*" OR "abrasive waterjet*" OR "abrasive suspension jet*" OR "abrasive slurry jet*" OR "cavitating water jet*" OR "cavitation water jet*" OR "cavitating jet*" OR "cavitation jet*") AND ("jet impingement" OR "jet impact*" OR "impact loading" OR "impact pressure" OR "transient pressure" OR "pressure pulse*" OR "water hammer" OR "stagnation pressure" OR "wall jet*" OR "wall shear stress" OR "shear stress" OR "particle impact*" OR "particle velocity" OR "particle erosion" OR "abrasive erosion" OR "cavitation erosion" OR "cavitation impact*" OR "cavitation cloud*" OR "bubble collapse" OR "microjet*" OR "jet breakup" OR "jet break-up"))

OR

((HTPB OR NEPE OR "composite solid propellant*" OR "composite propellant*" OR "double base propellant*" OR "double-base propellant*" OR CMDB OR "polymer bonded explosive*" OR "polymer-bonded explosive*" OR "plastic bonded explosive*" OR "plastic-bonded explosive*" OR PBX) AND (debond* OR dewetting OR "interface damage" OR "interfacial damage" OR "interfacial failure" OR microcrack* OR "damage evolution" OR "damage localization" OR "dynamic mechanical response" OR "dynamic response" OR "strain rate effect*" OR "strain-rate effect*" OR "fracture behavior" OR "fracture behaviour" OR "failure behavior" OR "failure behaviour" OR viscoelastic* OR "tensile behavior" OR "tensile behaviour" OR "compressive behavior" OR "compressive behaviour" OR "void growth" OR "void evolution" OR "particle-matrix interface*" OR "interfacial debond*" OR micromechanic*))

OR

(("water jet*" OR waterjet* OR "high pressure water jet*" OR "high-pressure water jet*" OR "abrasive water jet*" OR "abrasive waterjet*" OR "abrasive suspension jet*" OR "abrasive slurry jet*") AND (munition* OR ammunition OR ordnance OR warhead* OR "rocket motor*" OR "solid rocket motor*") AND (remov* OR clear* OR emptying OR cut* OR washout OR "wash out" OR "wash-out" OR demilitariz* OR demilitaris* OR dismantl* OR disassembl* OR disposal OR recycl* OR reclaim*))

Records exported: 1,423; one duplicate record was removed based on the Web of Science accession number (UT), leaving 1,422 unique records for VOSviewer analysis.

S1b. Additional archived search queries

Search ID	Database	Query	Records

Search ID	Database	Query	Records
Search 2	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "cavitating water jet" OR "cavitation water jet") AND ("energetic material" OR "energetic materials" OR explosive* OR propellant* OR HTPB OR NEPE OR PBX OR TNT OR RDX OR HMX OR munition* OR ammunition)	129
Search 3	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "cavitating water jet" OR "cavitation water jet") AND ("material removal" OR erosion OR cutting OR machining OR impact OR damage OR fracture OR fragmentation)	6,079
Search 4	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "cavitating water jet" OR "cavitation water jet") AND ("material removal" OR erosion OR cutting OR machining OR damage)	5,124
Search 5	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "cavitating water jet" OR "cavitation water jet") AND ("material removal" OR erosion OR cutting OR machining)	4,696
Search 6	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "cavitating water jet" OR "cavitation water jet") AND ("material removal" OR erosion OR cutting)	3,979
Search 7	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "high velocity water jet" OR "ultra high pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "cavitating water jet" OR "cavitation water jet" OR "cavitating jet" OR hydrojet) AND ("energetic material" OR "energetic materials" OR "high explosive" OR "high explosives" OR explosive* OR propellant* OR "solid propellant" OR "solid rocket propellant" OR "composite propellant" OR "composite solid propellant" OR HTPB OR NEPE OR PBX OR "polymer bonded explosive" OR "polymer-bonded explosive" OR "plastic bonded explosive" OR "plastic-bonded explosive" OR TNT OR RDX OR HMX OR "Composition B" OR "Composition A" OR Tritonal OR "Explosive D")	122
Search 8	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "high velocity water jet" OR "ultra high pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "cavitating water jet" OR "cavitation water jet" OR "cavitating jet" OR hydrojet) AND (munition* OR ammunition OR ordnance OR projectile* OR warhead* OR "rocket motor" OR "rocket motors" OR "missile motor" OR "missile motors" OR burster* OR "explosive filling" OR "explosive fill" OR "energetic filling" OR "energetic fill")	63
Search 9	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR hydrojet OR "hydro abrasive cutting") AND (washout OR "wash out" OR "water washout" OR demilitarization OR demilitarisation OR reclamation OR reclaim* OR "explosive removal" OR "energetics removal" OR "propellant removal" OR "charge removal" OR "munition disposal" OR "ammunition disposal")	34
Search 10	Web of Science	("water jet" OR waterjet OR "high pressure water jet" OR "high velocity water jet" OR "ultra high pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "cavitating water jet" OR "cavitation water jet" OR "cavitating jet" OR hydrojet) AND ("energetic material" OR "energetic materials" OR "high explosive" OR "high explosives" OR explosive* OR propellant* OR "solid propellant" OR "solid rocket propellant" OR "composite propellant" OR "composite solid propellant" OR HTPB OR NEPE OR PBX OR "polymer bonded explosive" OR "polymer-bonded explosive" OR "plastic bonded explosive" OR "plastic-bonded explosive" OR TNT OR RDX OR HMX OR "Composition B" OR "Composition A" OR Tritonal OR "Explosive D" OR munition* OR ammunition OR ordnance OR warhead* OR "rocket motor" OR "rocket motors" OR "missile motor" OR "missile motors" OR "explosive filling" OR "explosive fill" OR "energetic filling" OR "energetic fill")	135
Search 11	Scopus	TITLE-ABS-KEY("water jet" OR waterjet OR "high pressure water jet" OR "high-pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "cavitation water jet" OR "cavitating water jet") AND TITLE-ABS-KEY("energetic material" OR "energetic materials" OR "explosive material" OR "explosive materials" OR "high explosive" OR "high explosives" OR "solid propellant" OR "solid propellants" OR "solid rocket propellant" OR "solid rocket propellants" OR "composite propellant" OR "composite propellants" OR HTPB OR NEPE OR PBX OR "polymer bonded explosive" OR "polymer-bonded explosive" OR "plastic bonded explosive" OR "plastic-bonded explosive" OR TNT OR RDX OR HMX)	66

Search ID	Database	Query	Records
Search 12	Scopus	TITLE-ABS-KEY("water jet" OR waterjet OR "high pressure water jet" OR "high-pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "cavitation water jet" OR "cavitating water jet") AND TITLE-ABS-KEY(munition* OR ammunition OR ordnance OR warhead* OR projectile* OR "rocket motor" OR "rocket motors" OR "missile motor" OR "missile motors" OR "explosive filling" OR "explosive fill" OR "energetic filling" OR "energetic fill")	174
Search 13	Scopus	TITLE-ABS-KEY("water jet" OR waterjet OR "high pressure water jet" OR "high-pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR "water washout" OR "high pressure washout") AND TITLE-ABS-KEY(washout OR "wash out" OR "explosive removal" OR "explosives removal" OR "propellant removal" OR "charge removal" OR "energetics removal" OR "energetic material removal")	126
Search 14	Scopus	TITLE-ABS-KEY("water jet" OR waterjet OR "high pressure water jet" OR "high-pressure water jet" OR "abrasive water jet" OR "abrasive waterjet" OR hydrojet OR "hydroabrasive cutting") AND TITLE-ABS-KEY(demilitarization OR demilitarisation OR "munition disposal" OR "ammunition disposal" OR "ordnance disposal" OR reclamation OR reclaim* OR "resource recovery")	51

Search IDs continue from Search 1 in S1a. Searches 2–6 were exploratory WoS searches conducted during search-strategy development. Searches 7–10 and 11–14 were targeted WoS and Scopus searches, respectively, used to identify candidate records for evidence synthesis. Counts refer to individual search outputs before cross-search deduplication and must not be summed as unique publications.

S1c. Construction of the 188-record evidence dataset

Item	Procedure
Sources	Records from the WoS knowledge-base search, the targeted searches in S1b, reference tracing, and engineering or technical sources.
Eligibility	Retain publications providing information used in the review on jet formation or target loading, energetic-material mechanics and damage, direct water-jet treatment of energetic materials, or charge-removal processes and engineering outcomes. Other-material erosion or fracture studies are retained when they address a mechanism explicitly discussed in the synthesis.
Exclusions	Exclude records with no relevant loading, material-response, or removal information; remove duplicate publications, including confirmed translated duplicates. Review/background records and supplementary modelling records not used as separate evidence examples are excluded from Figure 3 counting and retained in the master register.
Processing	Check relevance against the review scope, consolidate related versions, and retain one publication record for each included study entry. Preserve the original evidence IDs to maintain traceability.
Relationship between datasets	The 1,422-record dataset supports title-and-abstract term co-occurrence analysis. The 188-record dataset supports publication-level classification and evidence synthesis. The pools overlap but were assembled for different purposes; the 188 records are not a sequential screening subset of the 1,422 records.
Final evidence dataset	188 included records, listed individually in Table S3. Each record is counted once within each classification dimension.
Coding	Assign one primary category in each dimension: evidence domain, primary process addressed, and study scale. Category definitions are given in S1d.
Records spanning categories	Use the principal research objective and primary reported result to assign evidence domain and process; use the main object investigated to assign study scale. An engineering-focused record is coded by its equipment, workflow, or operating outcome, even if water jets act directly on an energetic charge. Do not count the same record twice within a dimension.

S1d. Evidence classification used for Figure 3

Dimension	Category	Coding basis

Dimension	Category	Coding basis
Evidence domain	Water jet mechanics and loading	Jet formation, propagation, cavitation, abrasive-particle behavior, near-wall flow, impact, or load formation
	Direct water jet interaction with energetic materials	Direct water jet action on energetic materials, munitions, or components containing energetic charges
	Energetic material mechanics and damage	Mechanical, constitutive, damage, fracture, interface, or microstructural studies independent of water jet action
	Engineering and demilitarization	Equipment, process configuration, washout or removal procedures, system operation, demilitarization, or field implementation
Primary process addressed	Target load formation	Jet impact, pressure, transient loading, cavitation collapse, abrasive impact, or related target-surface loading
	Material response and damage	Stress, strain, deformation, interface damage, cracking, fracture initiation, or energetic response
	Fragmentation and separation	Erosion, cutting, crater formation, chipping, breakage, debonding, detachment, or material separation
	Charge removal	Washout, emptying, residual charge, removal completeness, or performance of whole-charge removal
Study scale	Local physical process	Jet, bubble, particle, interface, crack, hotspot, or other localized physical process
	Material specimen	Material specimen or numerical model representing an energetic-material specimen
	Charge or component	Discrete energetic charge or energetic component below the whole-munition level
	Munition, warhead, or solid rocket motor	Whole munition, warhead, projectile, or solid rocket motor
	Engineering system or field operation	Integrated equipment, processing line, operating workflow, pilot-scale system, or field implementation

Evidence domain identifies the main source of evidence, primary process addressed identifies the principal physical or engineering process, and study scale identifies the main object investigated. Study scale is independent of whether the method is experimental, theoretical, or numerical. These dimensions describe literature coverage rather than numerical study-quality ratings.

Table S2. VOSviewer settings and term processing

S2a. VOSviewer settings

Parameter	Setting
Software	VOSviewer 1.6.21
Data source	1,422-record WoS dataset
Text fields	Title and Abstract
Counting method	Binary counting
Minimum occurrences	30
Relevance selection	The 60% of terms with the highest VOSviewer relevance scores
Clustering resolution	1.30
Overlay score	Average publication year
Manual screening	paper, agreement, and SEM removed after relevance selection

S2b. Thesaurus entries

Original term / variant	Replacement term
waterjet	water jet
water-jet	water jet
abrasive waterjet	abrasive water jet
abrasive-waterjet	abrasive water jet
abrasive-water jet	abrasive water jet
awj	abrasive water jet
pbxs	pbx
composite propellant	composite solid propellant
computational fluid dynamic	computational fluid dynamics
Retained as separate terms	abrasive water jet; cavitation jet; high pressure water jet

Terms excluded through the thesaurus

Group	Terms
Low-information / broad terms	advantage; action; experimental data; experimental study; degree; technology; response; efficiency; velocity; flow; frequency; improvement; area; property; ability; application; reduction; behavior; test; shape; distance; water; jet; numerical model; composite; surface
Noise / errors	degrees c; mum; p; explosife; dahondina; dabondina
Low thematic specificity / peripheral topic	hydroxyl; rock

Table S3. Index of the 188 records included in the evidence synthesis

Records are numbered consecutively from 1 to 188. The classification column lists evidence domain, primary process addressed, and study scale, in that order.

No.	Bibliographic record	Classification
1	National Academies of Sciences, Engineering, and Medicine. Alternatives for the demilitarization of conventional munitions; National Academies Press: Washington, DC, USA, 2019. https://doi.org/10.17226/25140. Manuscript reference: [1]	Engineering and demilitarization Charge removal Engineering system or field operation
2	Borkowski, J.A.; Borkowski, P.J.; Bielecki, M.; Maranda, A.; Borkowski, J.; Danielewicz, D.; Warchoł, R. Laboratory and field tests on the hydro-jet washing out of TNT from artillery shells. High Energy Mater. 2019, 11, 5–22. https://doi.org/10.22211/matwys/0061e. Manuscript reference: [2]	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
3	Zhang, Y.X.; Lian, P.; Kang, C.; Chen, S.; Lei, J.H.; Luo, Z.L.; Li, M.; Chen, H.H. Experimental Study of Emptying A-IX-II Explosive Using Submerged Cavitation Water Jet. Chinese Journal of Energetic Materials 2020, 28, 358–364. https://doi.org/10.11943/CJEM2019189. Manuscript reference: [3]	Direct water jet interaction with energetic materials Charge removal Munition, warhead, or solid rocket motor
4	Zhu, Z.M.; Gao, X.; Wang, X.J.; Jiang, D.Y. Safety analysis of high-pressure waterjet impacting HTPB propellant. Explosion and Shock Waves 2015, 35, 366–371. https://doi.org/10.11883/1001-1455(2015)03-0366-07. Manuscript reference: [4]	Direct water jet interaction with energetic materials Target load formation Material specimen
5	Zhu, Z.M.; Wang, X.J.; Han, Q.L. Feasibility analysis of high-pressure waterjet clearing NEPE propellant charge. Chinese Journal of Explosives & Propellants 2013, 36, 55–59. Available online: https://m.fx361.com/news/2013/0128/14791012.html. Manuscript reference: [5]	Direct water jet interaction with energetic materials Charge removal Charge or component
6	Burch, D.; Johnson, M.; Sims, K. Value added products from reclamation of military munitions. Waste Manag. 1998, 17, 159–163. https://doi.org/10.1016/S0956-053X(97)10016-2. Manuscript reference: [6]	Engineering and demilitarization Charge removal Engineering system or field operation
7	Zhu, Z.M.; Gao, X.; Wang, X.J.; Han, Q.L. Multi-objective optimization for waterjet cleaning process of solid rocket motor. Chin. J. Energ. Mater. 2014, 22, 624–629. https://doi.org/10.3969/j.issn.1006-9941.2014.05.009. Manuscript reference: [7]	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
8	Hua, W.; Zhang, W.; Li, J.; Cai, K.; Jiang, Y. Feasibility of Abandoned Ammunition Materials Cold Cutting Experimental Study and Numerical Prediction. Integr. Ferroelectr. 2020, 207, 1–11. https://doi.org/10.1080/10584587.2020.1728660. Manuscript reference: [8]	Direct water jet interaction with energetic materials Fragmentation and separation Munition, warhead, or solid rocket motor
9	Wang, J.; Yu, W.; Wang, T.; Hang, G.; Shen, H.; Zhang, C. Water-jet-based Safe Decomposition Technology of Special-shaped Explosive. Acta Armamentarii 2020, 41, 2216–2224. https://doi.org/10.3969/j.issn.1000-1093.2020.11.008. Manuscript reference: [9]	Direct water jet interaction with energetic materials Fragmentation and separation Charge or component

No.	Bibliographic record	Classification
10	Zhu, H.; Lai, L.; Zhang, H.; Gao, J.; Liu, J.; Yang, H.; Mu, J.; Li, J.; Li, J.; Zhao, J.; et al. Research on Green Disposal Technology and System of Hydraulic Cavitation Based on Retired Ammunition. In Proceedings of the 2021 IEEE 3rd International Conference on Civil Aviation Safety and Information Technology (ICCASIT), Changsha, China, 20–22 October 2021; pp. 1082–1087. https://doi.org/10.1109/ICCASIT53235.2021.9633420. Manuscript reference: [10]	Engineering and demilitarization Charge removal Engineering system or field operation
11	Yu, H.T.; Zhang, Q.M.; He, Y.H. Numerical simulation of the interactions between high-pressure waterjet and HTPB propellant. Trans. Beijing Inst. Technol. 2010, 30, 266–270. Available online: https://journal.bit.edu.cn/zr/article/id/20100304. Manuscript reference: [11]	Direct water jet interaction with energetic materials Target load formation Material specimen
12	Han, Y.L.; Li, J.X.; Cao, Q.; Li, Y.L.; Zuo, G.P. Numerical simulation on steady flow field of high pressure water-jet impacting propellant wall. Chin. J. Explos. Propellants 2010, 33, 56–59, 64.	Direct water jet interaction with energetic materials Target load formation Material specimen
13	Yu, H.T.; Zhang, Q.M.; He, Y.H. Response of HTPB propellants subjected to high-pressure waterjet. Acta Armamentarii 2011, 32, 355–359.	Direct water jet interaction with energetic materials Material response and damage Material specimen
14	Han, Q.; Zhu, Z.; Huang, Z. Selection and Optimization of Main Process Parameters in High Pressure Waterjet Clearing HTPB Propellant. Adv. Mater. Res. 2013, 681, 164–168. https://doi.org/10.4028/www.scientific.net/AMR.681.164. Manuscript reference: [12]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
15	Zhang, Y.X.; Chen, S.; Lian, P.; Kang, C.; Lei, J.H.; Fan, X.C. Experimental study and numerical simulation on emptying explosive of ammunition with cavitation water jet. Chin. J. Explos. Propellants 2019, 42, 415–420. https://doi.org/10.14077/j.issn.1007-7812.2019.04.017. Manuscript reference: [13]	Direct water jet interaction with energetic materials Charge removal Munition, warhead, or solid rocket motor
16	Zhou, W.J.; Liu, B.; Zhang, Y.Z.; Ma, Y.Z.; Wang, X.J. Multi-objective Optimization for HTPB Propellant Breaking Process by Submerged Cavitating Water Jet. Chin. J. Explos. Propellants 2022, 45, 277–284. https://doi.org/10.14077/j.issn.1007-7812.202112021. Manuscript reference: [14]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
17	Yu, H.T.; Pan, H.; Wang, H. Molecular Dynamics Simulation of the Ignition Response of HMX Clusters under Low-pressure Impact by Water Jet. Chin. J. Explos. Propellants 2026, 49, 674–682. https://doi.org/10.14077/j.issn.1007-7812.202510015. Manuscript reference: [15]	Direct water jet interaction with energetic materials Material response and damage Local physical process
18	Pan, H.; Yu, H.; Li, X.; Jia, Y.; Lin, S. Reactive molecular dynamics study of the initial reaction mechanisms of ammonium perchlorate clusters under low-pressure water jet impact. Comput. Mater. Sci. 2026, 273, 114919. https://doi.org/10.1016/j.commatsci.2026.114919. Manuscript reference: [16]	Direct water jet interaction with energetic materials Material response and damage Local physical process

No.	Bibliographic record	Classification
19	Wang, Y.; Xu, F.; Gui, S.; Zhang, X.; Liu, X.; Cao, X.; Tang, Q.; Ding, J. Study on pressure distribution characteristics of covered explosive under premixed abrasive water jet erosion. J. Vib. Shock 2026, 45, 218–231. https://doi.org/10.13465/j.cnki.jvs.2026.17.022. Manuscript reference: [17]	Direct water jet interaction with energetic materials Target load formation Charge or component
20	Mlinaric, M.; Jemaa, H.; Hassel, T.; Maier, H.J. An experimental and numerical study of damage due to particle impact on sapphire orifices used in high-pressure water jet cutting. Machines 2022, 10, 756. https://doi.org/10.3390/machines10090756. Manuscript reference: [21]	Water jet mechanics and loading Fragmentation and separation Material specimen
21	Lu, F.; Qiu, Y.; Fan, D.; Chen, W. Prediction of waterjet cutting depth under multi-field coupling based on zero-shot learning. Technologies 2026, 14, 527. https://doi.org/10.3390/technologies14090527. Manuscript reference: [22]	Water jet mechanics and loading Fragmentation and separation Material specimen
22	Dong, J.; Li, S.; Meng, R.; Zhong, X.; Pan, X. Research on cavitation characteristics of two-throat nozzle submerged jet. Appl. Sci. 2022, 12, 536. https://doi.org/10.3390/app12020536. Manuscript reference: [23]	Water jet mechanics and loading Target load formation Local physical process
23	Wang, T.; Xu, J.; Li, H.; Chen, X.; Zhang, J. Crack propagation velocity and fracture toughness of hydroxyl-terminated polybutadiene propellants with consideration of a thermo-viscoelastic constitutive model: Experimental and numerical study. Theor. Appl. Fract. Mech. 2023, 124, 103732. https://doi.org/10.1016/j.tafmec.2022.103732. Manuscript reference: [24]	Energetic material mechanics and damage Material response and damage Material specimen
24	Zhou, W.; Zhao, M.; Liu, B.; Ma, Y.; Zhang, Y.; Wang, X. Investigation of hydroxyl-terminated polybutadiene propellant breaking characteristics and mechanism impacted by submerged cavitation water jet. Def. Technol. 2024, 33, 559–572. https://doi.org/10.1016/j.dt.2023.08.011. Manuscript reference: [25]	Direct water jet interaction with energetic materials Material response and damage Material specimen
25	Jiang, D.; Bai, Y. Feasibility study on cutting HTPB propellants with abrasive water jet. IOP Conf. Ser. Mater. Sci. Eng. 2018, 301, 012053. https://doi.org/10.1088/1757-899X/301/1/012053. Manuscript reference: [26]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
26	Jiang, D.Y.; Wang, X.J. Effect of water jet outlet pressure on the safety of HTPB propellant under impact. Chinese Journal of Explosives & Propellants 2012, 35, 49–53. https://doi.org/10.3969/j.issn.1007-7812.2012.04.013. Manuscript reference: [28]	Direct water jet interaction with energetic materials Target load formation Material specimen
27	Jiang, D.Y. Chipping performance of HTPB propellant by high-pressure water jet. Journal of PLA University of Science and Technology (Natural Science Edition) 2013, 14, 430–435. https://doi.org/10.3969/j.issn.1009-3443.2012.09.190. Manuscript reference: [29]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
28	Rajaratnam, N.; Rizvi, S.A.H.; Steffler, P.M.; Smy, P.R. An experimental study of very high velocity circular water jets in air. J. Hydraul. Res. 1994, 32, 461–470. https://doi.org/10.1080/00221689409498746. Manuscript reference: [30]	Water jet mechanics and loading Target load formation Local physical process

No.	Bibliographic record	Classification
29	Guha, A.; Barron, R.M.; Balachandar, R. Numerical simulation of high-speed turbulent water jets in air. J. Hydraul. Res. 2010, 48, 119–124. https://doi.org/10.1080/00221680903568667. Manuscript reference: [31]	Water jet mechanics and loading Target load formation Local physical process
30	Shi, H.H.; Takayama, K.; Nagayasu, N. The measurement of impact pressure and solid surface response in liquid-solid impact up to hypersonic range. Wear 1995, 186–187, 352–359. https://doi.org/10.1016/0043-1648(95)07141-5. Manuscript reference: [32]	Water jet mechanics and loading Target load formation Local physical process
31	Lesser, M.B.; Field, J.E. The impact of compressible liquids. Annu. Rev. Fluid Mech. 1983, 15, 97–122. https://doi.org/10.1146/annurev.fl.15.010183.000525. Manuscript reference: [33]	Water jet mechanics and loading Target load formation Local physical process
32	Su, B.; Yao, X.; Gan, N.; Wang, P.; Cui, X. An experimental measurement research on impact load of high speed water jet acting on a rigid target by a Hopkinson pressure bar. Ocean Eng. 2022, 254, 111397. https://doi.org/10.1016/j.oceaneng.2022.111397. Manuscript reference: [34]	Water jet mechanics and loading Target load formation Local physical process
33	He, Y.H.; Yu, H.T.; Zhang, Q.M. Ignition Mode of Solid Propellant Processed with High-Pressure Waterjet. Transactions of Beijing Institute of Technology 2008, 28, 97–99. Available online: https://journal.bit.edu.cn/zr/cn/article/id/20080202. Manuscript reference: [35]	Direct water jet interaction with energetic materials Material response and damage Material specimen
34	Bourne, N.K. On impacting liquid jets and drops onto polymethylmethacrylate targets. Proc. R. Soc. A Math. Phys. Eng. Sci. 2005, 461, 1129–1145. https://doi.org/10.1098/rspa.2004.1440. Manuscript reference: [38]	Water jet mechanics and loading Target load formation Local physical process
35	Bourne, N.K. On stress wave interactions in liquid impact. Wear 2005, 258, 588–595. https://doi.org/10.1016/j.wear.2004.09.027. Manuscript reference: [39]	Water jet mechanics and loading Target load formation Local physical process
36	Obara, T.; Bourne, N.K.; Field, J.E. Liquid-jet impact on liquid and solid surfaces. Wear 1995, 186–187, 388–394. https://doi.org/10.1016/0043-1648(95)07187-3. Manuscript reference: [40]	Water jet mechanics and loading Target load formation Local physical process
37	Bourne, N.K.; Obara, T.; Field, J.E. High-speed photography and stress gauge studies of jet impact upon surfaces. Philos. Trans. R. Soc. A Math. Phys. Eng. Sci. 1997, 355, 607–623. https://doi.org/10.1098/rsta.1997.0028. Manuscript reference: [41]	Water jet mechanics and loading Target load formation Local physical process
38	Zhang, J.; Li, X.; Kou, J.; Zhang, D. Identifying the processes and characterizing the pressure zone of water jet impacting on solid surface. Adv. Mech. Eng. 2022, 14, 1–10. https://doi.org/10.1177/16878132221129703. Manuscript reference: [42]	Water jet mechanics and loading Target load formation Local physical process
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95	Zhao, M.; Liu, B.; Zhou, W.J.; Zhang, Y.Z.; Mu, X.G.; Wang, X.J. Mesoscale damage mechanism of HTPB solid propellants by high frequency cavitation impact. Chinese Journal of Explosives & Propellants 2024, 47, 354–364. https://doi.org/10.14077/j.issn.1007-7812.202312011. Manuscript reference: [106]	Direct water jet interaction with energetic materials Material response and damage Material specimen
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97	Shanmugam, D.K.; Nguyen, T.; Wang, J. A study of delamination on graphite/epoxy composites in abrasive waterjet machining. Compos. Part A Appl. Sci. Manuf. 2008, 39, 923–929. https://doi.org/10.1016/j.compositesa.2008.04.001. Manuscript reference: [108]	Water jet mechanics and loading Fragmentation and separation Material specimen

No.	Bibliographic record	Classification
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99	Wang, T.; Xu, J.; Li, H.; Ding, W.; Liu, J.; Chen, X. Crack propagation velocity and fracture toughness of hydroxyl-terminated polybutadiene propellants: experiments and simulations. Eng. Fract. Mech. 2021, 257, 108034. https://doi.org/10.1016/j.engfracmech.2021.108034. Manuscript reference: [110]	Energetic material mechanics and damage Material response and damage Material specimen
100	Liu, H.; Wang, J.; Fu, X. Investigation on mixed mode I/II crack propagation in nitrate ester plasticized polyether propellant: Experimental and numerical study. Eng. Fract. Mech. 2024, 310, 110457. https://doi.org/10.1016/j.engfracmech.2024.110457. Manuscript reference: [112]	Energetic material mechanics and damage Material response and damage Material specimen
101	Borkowski, P.; Borkowski, J.; Woźniak, D.; Maranda, A. Examination of high-pressure water jet usability for high explosives (HE) washing out from artillery ammunition. Cent. Eur. J. Energ. Mater. 2008, 5, 21–35. Available online: https://wydawnictwa.ipo.lukasiewicz.gov.pl/wp-content/uploads/2021/06/Borkowski.pdf. Manuscript reference: [115]	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
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103	Zhang, Y.X.; Lian, P.; Kang, C.; Chen, S. Experimental study on the breaking of A-IX-2 explosive by submerged cavitation water jet. Journal of Physics: Conference Series 2021, 1721, 012062. https://doi.org/10.1088/1742-6596/1721/1/012062. Manuscript reference: [117]	Direct water jet interaction with energetic materials Fragmentation and separation Charge or component
104	Fossey, R.D.; Blaine, J.G.; Tyler, L.J.; Sabin, M.; Summers, D.A.; Sims, K. Practical problems in the demilitarization of munitions. In Proceedings of the 9th American Waterjet Conference, Dearborn, MI, USA, 23–26 August 1997; pp. 673–682. Available online: https://citeseerx.ist.psu.edu/document?doi=d6301efaed21061080056a0dc7eb18acfa901e6&repid=rep1&type=pdf. Manuscript reference: [118]	Engineering and demilitarization Charge removal Engineering system or field operation
105	Getty, H.L.; Miller, P.L.; Cypher, M.S.; Lamon, J.H.; Hatz, D.P.; Garrison, M.M.; Hill, L.D.; Martinson, D.A.; Reynolds, R.E.; Munoz, J.P. High pressure washout of explosives agents. U.S. Patent US5737709A, 7 April 1998. https://patents.google.com/patent/US5737709A/en. Manuscript reference: [119]	Engineering and demilitarization Charge removal Engineering system or field operation

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109	Taylor, W.J.; Goetsch, D.A. Reclaiming TNT and aluminum from tritonal and tritonal-containing munitions. U.S. Patent US6476286B1, 5 November 2002. https://patents.google.com/patent/US6476286B1/en. Manuscript reference: [123]	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
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111	Miller, P.L. Abrasive waterjets—a nontraditional process for the safe and environmentally friendly demilitarization of underwater high-explosive munitions. Mar. Technol. Soc. J. 2012, 46, 83–91. https://doi.org/10.4031/MTSJ.46.1.1. Manuscript reference: [125]	Engineering and demilitarization Charge removal Engineering system or field operation
112	Zhu, Z.M.; Gao, X.; Yu, A.; Wang, X.J.; Han, Q.L.; Cui, H. Component loss analysis of HTPB propellant after high pressure waterjet clearing. Adv. Mater. Res. 2014, 864–867, 1890–1893. https://doi.org/10.4028/www.scientific.net/AMR.864-867.1890. Manuscript reference: [126]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
113	Zhang, F.Y.; Liao, X.; Lun, X.M.; Wang, Z.S. Model of High Pressure Water Jet Cutting Propellants and Experimental Study. Chinese Journal of Energetic Materials 2014, 22, 245–250. https://doi.org/10.3969/j.issn.1006-9941.2014.02.024. Manuscript reference: [127]	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
114	Yu, H.T.; He, Y.H.; Zhang, Q.M. A Study on the Temperature Effect in Solid Propellants Under High-Pressure Waterjet Impact. Transactions of Beijing Institute of Technology 2008, 28, 189–191. Available online: https://journal.bit.edu.cn/zrb/ch/reader/view_abstract.aspx?file_no=20080301&flag=1. Manuscript reference: [128]	Direct water jet interaction with energetic materials Material response and damage Material specimen

No.	Bibliographic record	Classification
115	Chen, G.N.; Zhang, W.H.; Xia, Z.X. Effect of viscous heating on hot spot formation in particle-filled solid propellants under mechanical impact loading. Journal of Solid Rocket Technology 2005, 28, 192–194, 211. https://doi.org/10.3969/j.issn.1006-2793.2005.03.010. Manuscript reference: [130]	Energetic material mechanics and damage Material response and damage Local physical process
116	Yang, X.; Lin, L.; Wilkerson, J.; Zeng, X. Computational investigation of crack-induced hot-spot generation in energetic composites. J. Compos. Sci. 2021, 5, 210. https://doi.org/10.3390/jcs5080210. Manuscript reference: [131]	Energetic material mechanics and damage Material response and damage Local physical process
117	Wu, C.; Lu, Y.; Jiang, M.; Hu, S.; Yang, H.; Fu, X.; Li, H. Study on mechanical properties and failure mechanisms of highly filled hydroxy-terminated polybutadiene propellant under different tensile loading conditions. Polymers 2023, 15, 3869. https://doi.org/10.3390/polym15193869. Manuscript reference: [133]	Energetic material mechanics and damage Material response and damage Material specimen
118	Lai, J.W.; Chang, J.; Wu, H.J.; Zhou, Y.; Yuan, S.Z. Low temperature mechanical properties of HTPB composite solid propellant at different loading strain rates. Chinese Journal of Explosives & Propellants 2026, 49, 90–96. https://doi.org/10.14077/j.issn.1007-7812.202506020. Manuscript reference: [134]	Energetic material mechanics and damage Material response and damage Material specimen
119	Wang, R.; Wu, Y.; Bai, L.; Zhang, Y.M.; Wang, N.F. Uniaxial compressive mechanical behavior of four-component HTPB propellant over wide temperature and strain rate ranges. Chinese Journal of Energetic Materials 2024, 32, 183–192. https://doi.org/10.11943/CJEM2023119. Manuscript reference: [135]	Energetic material mechanics and damage Material response and damage Material specimen
120	Wiegand, D.A.; Pinto, J.; Nicolaides, S. The mechanical response of TNT and a composite, Composition B, of TNT and RDX to compressive stress: I. Uniaxial stress and fracture. J. Energ. Mater. 1991, 9, 19–80. https://doi.org/10.1080/07370659108019858. Manuscript reference: [136]	Energetic material mechanics and damage Material response and damage Material specimen
121	Tang, M.F.; Wen, M.P.; Tu, X.Z.; Lan, L.G.; Dai, X.G. Influence and Mechanism of High Temperature and Mechanical Stress on the Mechanical Behaviors of PBXs. Chinese Journal of Energetic Materials 2018, 26, 150–155. https://doi.org/10.11943/j.issn.1006-9941.2018.02.007. Manuscript reference: [137]	Energetic material mechanics and damage Material response and damage Material specimen
122	Wang, Z.; Qiang, H.; Wang, G. Experimental investigation on high strain rate tensile behaviors of HTPB propellant at low temperatures. Propellants Explos. Pyrotech. 2015, 40, 814–820. https://doi.org/10.1002/prep.201500030. Manuscript reference: [138]	Energetic material mechanics and damage Material response and damage Material specimen
123	Wang, J.X.; Qiang, H.F.; Wang, Z.J. Mechanical properties of HTPB propellant under shear loading at low temperature. Propellants Explos. Pyrotech. 2022, 47, e202100260. https://doi.org/10.1002/prep.202100260. Manuscript reference: [139]	Energetic material mechanics and damage Material response and damage Material specimen

No.	Bibliographic record	Classification
124	Wang, Z.J.; Zhang, Y.S.; Qiang, H.F.; Chen, J.X.; Wu, R. Creep Mechanical Properties of HTPB Composite Solid Propellant under Different Temperatures and Stress Levels. Chinese Journal of Energetic Materials 2025. https://doi.org/10.11943/CJEM2025049. Manuscript reference: [140]	Energetic material mechanics and damage Material response and damage Material specimen
125	Zhang, H.H.; Li, H.Y.; Shen, Z.B. Mesostructure damage evolution mechanism of HTPB solid propellant considering temperature and pressure. Journal of Solid Rocket Technology 2024, 47, 458–467. https://doi.org/10.7673/j.issn.1006-2793.2024.04.004. Manuscript reference: [141]	Energetic material mechanics and damage Material response and damage Material specimen
126	Wang, Z.; Qiang, H.; Wang, J.; Duan, L. Experimental investigation on fracture properties of HTPB propellant with circumferentially notched cylinder sample. Propellants Explos. Pyrotech. 2022, 47, e202200046. https://doi.org/10.1002/prep.202200046. Manuscript reference: [142]	Energetic material mechanics and damage Material response and damage Material specimen
127	Long, B.; Chang, X.; Hu, K.; Zhang, Y. Effects of temperature and strain rate on the dynamic fracture properties of HTPB propellant. Propellants Explos. Pyrotech. 2015, 40, 479–483. https://doi.org/10.1002/prep.201400151. Manuscript reference: [143]	Energetic material mechanics and damage Material response and damage Material specimen
128	Wang, Q.; Qiang, H.; Wang, Z.; Wang, X.; Sun, Z. Study on fracture behavior of NEPE propellant under wide temperature and strain rate loading. Eng. Fract. Mech. 2026, 331, 111711. https://doi.org/10.1016/j.engfracmech.2025.111711. Manuscript reference: [144]	Energetic material mechanics and damage Material response and damage Material specimen
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130	Summers, D.A.; Tyler, L.J.; Blaine, J.; Fossey, R.D.; Short, J.; Craig, L. Considerations in the design of a waterjet device for reclamation of missile casings. In Proceedings of the Fourth U.S. Water Jet Conference, Berkeley, CA, USA, 26–28 August 1987; pp. 51–56. Available online: https://www.wjta.org/images/wjta/Proceedings/Binder4.pdf. Manuscript reference: [147]	Engineering and demilitarization Charge removal Engineering system or field operation
131	Karelin, V.A.; Kiriy, G.V.; Meleshko, V.Y.; Gorbachev, V.A.; Naumov, P.N.; Vesnin, V.A.; Volkov, V.T.; Chobanyan, V.A. Installation for hydrocavitation disabling of ammunition and regeneration of explosives. Russian Federation Patent RU2195630C1, 27 December 2002. https://patents.google.com/patent/RU2195630C1/en. Manuscript reference: [150]	Engineering and demilitarization Charge removal Engineering system or field operation
132	Foldyna, J.; Hauner, M.; Sedlarik, A. Utilization of water jets in SS-23 missiles dismantling. In Proceedings of the 14th International Conference on Jetting Technology, Brugge, Belgium, 21–23 September 1998; pp. 485–489. Manuscript reference: [149]	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor

No.	Bibliographic record	Classification
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134	Conn, A.F. An automated explosive removal system using cavitating water jets. In Minutes of the Twenty-Second Explosives Safety Seminar, Anaheim, CA, USA, 26–28 August 1986. Manuscript reference: [152]	Engineering and demilitarization Charge removal Engineering system or field operation
135	REMOVAL OF CDB PROPELLANT FROM CASE BONDED ROCKET MOTORS BY HIGH PRESSURE WATER JET.. 1978.	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
136	Application of water jet cutting in solid propellant technology.. 1982.	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
137	USE OF HIGH PRESSURE WATER JETS TO WASH OUT EXPLOSIVES.. 1983.	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
138	Elements of water jet cutting on solid propellant.. 1984.	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
139	GROWTH OF THE WOMBAT.. 1984.	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
140	DETONATION AND REACTION OF CLASS 1.1 EXPLOSIVES AND PROPELLANTS DUE TO WATER JET IMPACT. 1993.	Direct water jet interaction with energetic materials Material response and damage Material specimen
141	The safety test for water jet impact explosive. 1996.	Direct water jet interaction with energetic materials Material response and damage Material specimen
142	The second decade of waterjet de-militarization new concerns, new solutions. 1996.	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
143	The simulation study of the explosives water jet shock sensitivity. 1996.	Direct water jet interaction with energetic materials Material response and damage Material specimen
144	Experimental study on erosion performance with submerged water jet. 1997.	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
145	Summers D.A.; Fossey R.D.; Thompson S.J.. Neutralization of potential land mine hazards by abrasive waterjet use. Proceedings of SPIE - The International Society for Optical Engineering. 1998. DOI: 10.1117/12.324251	Engineering and demilitarization Fragmentation and separation Munition, warhead, or solid rocket motor
146	Recovery/resue of energetics from military munitions. 1998.	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor

No.	Bibliographic record	Classification
147	The use of an abrasive waterjet system at 700 bar for the cutting of military munitions as part of a demilitarization program. 1998.	Engineering and demilitarization Fragmentation and separation Munition, warhead, or solid rocket motor
148	Weeks B.L.; Klosterman J.; Worsey P.N.. Design of a hypersonic waterjet apparatus driven by high explosives. Review of Scientific Instruments. 2001. DOI: 10.1063/1.1388212	Direct water jet interaction with energetic materials Material response and damage Material specimen
149	Abrasive waterjet cutting through 40 mm munitions casing. 2004.	Engineering and demilitarization Fragmentation and separation Munition, warhead, or solid rocket motor
150	Feasibility of removal of the tracer element from various projectiles. 2004.	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
151	Gradient Technology's high-pressure waterjet demilitarization system. 2004.	Engineering and demilitarization Charge removal Engineering system or field operation
152	Experimental study on influence of hydrojet to explosive sensitivity. 2005.	Direct water jet interaction with energetic materials Material response and damage Material specimen
153	Measurement for the influence of hydrojet to explosive sensitivity. 2005.	Direct water jet interaction with energetic materials Material response and damage Material specimen
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155	Proposal of discarded munitions flow in its athermical liquidation by waterjet. 2011.	Engineering and demilitarization Charge removal Engineering system or field operation
156	Using waterjet in reverse logistic operations in discarded munitions processing; [Uporaba vodenog mlaza u obrnutim logističkim operacijama kod obrade odbačenog streljiva]. 2011.	Engineering and demilitarization Charge removal Engineering system or field operation
157	Luo T.-J.; Zhang B.-L.; Ning L.-S.. Experimental study on emptying explosive of projectile with technology of high pressure water jet. Zhongbei Daxue Xuebao (Ziran Kexue Ban)/Journal of North University of China (Natural Science Edition). 2014. DOI: 10.3969/j.issn.1673-3193.2014.02.007	Engineering and demilitarization Charge removal Munition, warhead, or solid rocket motor
158	Han Q.L.; Zhu Z.M.; Gao X.; Zhang Q.Y.. Run risk analysis of solid rocket motor waterjet clearing system. Applied Mechanics and Materials. 2014. DOI: 10.4028/www.scientific.net/amm.483.660	Engineering and demilitarization Charge removal Engineering system or field operation
159	Zuo M.Z.; Xin G.; Xuan J.W.; Qi L.H.; Hu C.. Safety assessment of solid rocket motor waterjet clearing system based on grey analytic hierarchy process. Applied Mechanics and Materials. 2014. DOI: 10.4028/www.scientific.net/amm.470.763	Engineering and demilitarization Charge removal Engineering system or field operation
160	Study on a New Type Destruction Method for Abandoned Combustion Tear Gas of CAPF. 2015.	Engineering and demilitarization Fragmentation and separation Munition, warhead, or solid rocket motor

No.	Bibliographic record	Classification
161	STUDY ON CHIPPING PERFORMANCE ON AP/AL/HYDROXYL-TERMINATED POLYBUTADIENE PROPELLANT PROPELLANTS BY HIGH PRESSURE WATER JET. 2016.	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
162	Feasibility of obsolete ammunition cold cutting: abrasive water jet. 2019.	Engineering and demilitarization Fragmentation and separation Munition, warhead, or solid rocket motor
163	Huang Y.-P.; Cui Q.-Z.; Xu Y.; Chen M.-H.; Wu X.-Y.. Numerical Simulation for the Process of Breaking Explosives by High Pressure Water Jet. Hanneng Cailiao/Chinese Journal of Energetic Materials. 2019. DOI: 10.11943/cjem2018213	Direct water jet interaction with energetic materials Fragmentation and separation Material specimen
164	Đurić S.; Nedić B.; Baralić J.; Miljković A.. PYROTECHNIC SAFETY IN THE PROCESS OF DEMILITARIZATION OF EXPLOSIVE ORDNANCE FROM THE ASPECT OF APPLICATION OF NEW TECHNOLOGIES. Proceedings on Engineering Sciences. 2019. DOI: 10.24874/pes01.02.032	Engineering and demilitarization Charge removal Engineering system or field operation
165	Study on equipment's safety of emptying ammunition system by high-pressure water jetting. 2004.	Engineering and demilitarization Charge removal Engineering system or field operation
166	Prediction of abrasive particle velocity in a high pressure water jet and effect of air on acceleration process. 1996.	Water jet mechanics and loading Target load formation Local physical process
167	Particle velocity models for ultra-high pressure abrasive waterjets. 2009. DOI: 10.1016/j.jmatprotec.2008.10.021	Water jet mechanics and loading Target load formation Local physical process
168	Particle Velocity in Abrasive Waterjets. 2021. DOI: 10.1007/978-3-030-53491-2_15	Water jet mechanics and loading Target load formation Local physical process
169	Semi-empirical model for abrasive particle velocity prediction in abrasive waterjet based on momentum transfer efficiency. 2024. DOI: 10.1007/s40571-024-00747-6	Water jet mechanics and loading Target load formation Local physical process
170	Quantitative Evaluation of Submerged Cavitation Jet Performance Based on Image Processing Method. 2022. DOI: 10.3390/jmse10101336	Water jet mechanics and loading Target load formation Local physical process
171	The relation between the high speed submerged cavitating jet behaviour and the cavitation erosion process. 2016. DOI: 10.1016/j.ijmultiphaseflow.2016.03.005	Water jet mechanics and loading Fragmentation and separation Local physical process
172	A coupled SPH-DEM model for erosion process of solid surface by abrasive water-jet impact. 2023. DOI: 10.1007/s40571-023-00555-4	Water jet mechanics and loading Fragmentation and separation Local physical process
173	Research on the high-pressure water jet impacting on the different solids based on improved SPH method. 2024. DOI: 10.1007/s00419-023-02523-z	Water jet mechanics and loading Target load formation Local physical process
174	Study on Dynamic Evolution and Erosion Characteristics of Cavitation Clouds in Submerged Cavitating Water Jets. 2024. DOI: 10.3390/jmse12040641	Water jet mechanics and loading Fragmentation and separation Local physical process
175	Flow field characterization of cavitation water jets applied to concave, plane, and convex surfaces. 2025. DOI: 10.1063/5.0265218	Water jet mechanics and loading Target load formation Local physical process

No.	Bibliographic record	Classification
176	Longitudinal Strain Dependent Variation of Poisson's Ratio for HTPB Based Solid Rocket Propellants in Uni-axial Tensile Testing. 2011. DOI: 10.1002/prep.200900079	Energetic material mechanics and damage Material response and damage Material specimen
177	MICROSTRUCTURAL FEATURES DURING FAILURE OF NEPE/AP/AL PROPELLANT UNDER UNIAXIAL COMPRESSIVE LOADING. 2024. DOI: 10.1615/intjenergeticmaterialschemprop.2024052060	Energetic material mechanics and damage Material response and damage Material specimen
178	Low strain rate yield characteristics and failure modes of solid composite propellant. 2023. DOI: 10.1016/j.engfailanal.2023.107364	Energetic material mechanics and damage Material response and damage Material specimen
179	Mechanical behavior and constitutive model of NEPE solid propellant in finite deformation. 2022. DOI: 10.1016/j.mechmat.2022.104383	Energetic material mechanics and damage Material response and damage Material specimen
180	Impact initiation of explosives and propellants via statistical crack mechanics. 2006. DOI: 10.1016/j.jmps.2005.12.001	Energetic material mechanics and damage Material response and damage Local physical process
181	Correlation between solid propellant failure and interface debonding in solid rocket motors. 2022. DOI: 10.1016/j.polymertesting.2022.107755	Energetic material mechanics and damage Material response and damage Munition, warhead, or solid rocket motor
182	Study on the Stress-Strain Relationships and Deterioration Modes of HTPB Propellant with Prefabricated Cracks. 2022. DOI: 10.1155/2022/9772946	Energetic material mechanics and damage Material response and damage Material specimen
183	A micromechanical model for predicting combined damage of particles and interface debonding in PBX explosives. 2009. DOI: 10.1016/j.mechmat.2008.07.005	Energetic material mechanics and damage Material response and damage Local physical process
184	Dynamic Mechanical Behavior of PBX. 2016. DOI: 10.1002/prep.201500235	Energetic material mechanics and damage Material response and damage Material specimen
185	The Damage Law of HTPB Propellant under Thermomechanical Loading. 2016. DOI: 10.1080/07370652.2015.1088729	Energetic material mechanics and damage Material response and damage Material specimen
186	NEPE Propellant Mesoscopic Modeling and Damage Mechanism Study Based on Inversion Algorithm. 2024. DOI: 10.3390/ma17061289	Energetic material mechanics and damage Material response and damage Local physical process
187	Experimental and Numerical Investigation into the Mechanical Behavior of Composite Solid Propellants Subject to Uniaxial Tension. 2023. DOI: 10.3390/ma16206695	Energetic material mechanics and damage Material response and damage Material specimen
188	Research on Tensile Mechanical Properties and Damage Mechanism of Composite Solid Propellants. 2018. DOI: 10.1002/prep.201700190	Energetic material mechanics and damage Material response and damage Material specimen