

No	Peneliti & Tahun	Judul	Metode	Media	Temuan Utama	Keterbatasan	Link Akses
1	Shen et al. (2024)	Fire Safety of Battery Electric Vehicles: Hazard Identification, Detection, and Mitigation	Review	Multi	Thermal runaway sebagai akar masalah kebakaran EV	Tidak ada eksperimen	<a href="https://www.sae.org/articles/fire-safety-battery-electric-vehicles-hazard-identification-detection-mitigation-14-13-03-0024">https://www.sae.org/articles/fire-safety-battery-electric-vehicles-hazard-identification-detection-mitigation-14-13-03-0024</a>
2	Chang et al. (2024)	Lithium-Ion Battery Thermal Event and Protection: A Review	Review	Multi	Mekanisme thermal event kompleks dan sulit dihentikan	Tidak membahas SOP	<a href="https://saemobilus.sae.org/articles/lithium-ion-battery-thermal-event-protection-a-review-14-13-03-0019">https://saemobilus.sae.org/articles/lithium-ion-battery-thermal-event-protection-a-review-14-13-03-0019</a>
3	Cui et al. (2022)	Full-scale experimental study on suppressing lithium-ion battery pack fires from electric vehicles	Full-scale	Water	Pendinginan memperlambat propagasi thermal runaway	Sampel terbatas	<a href="https://www.sciencedirect.com/science/article/pii/S0379711222000406">https://www.sciencedirect.com/science/article/pii/S0379711222000406</a>
4	Olona et al. (2025)	Full-Scale Experimental Analysis of the Behavior of Electric Vehicle Fires and the Effectiveness of Extinguishing Methods	Full-scale	Water, mist, blanket	Fire blanket efektif memadamkan flame, namun thermal runaway tetap berlangsung; cooling diperlukan untuk mengendalikan panas	Variasi kendaraan terbatas	<a href="https://www.mdpi.com/2571-6255/8/8/301">https://www.mdpi.com/2571-6255/8/8/301</a>
5	Li et al. (2024)	The effect of water mist nozzle settings on fire suppression of electric vehicles in garages	Eksperimen	Water mist	Efektivitas sangat dipengaruhi desain nozzle	Tidak full vehicle	<a href="https://www.sciencedirect.com/science/article/pii/S2214157X24008347">https://www.sciencedirect.com/science/article/pii/S2214157X24008347</a>
6	Miao et al. (2024)	The Suppression Effect of Water Mist Released at Different Stages on Lithium-Ion Battery Fire	Eksperimen	Water mist	Timing aplikasi sangat mempengaruhi efektivitas	Skala laboratorium	<a href="https://www.mdpi.com/2313-0105/10/7/232">https://www.mdpi.com/2313-0105/10/7/232</a>
7	Li et al. (2023)	Effectiveness of Water Mist on Suppressing Thermal Runaway in LiFePO4 Batteries	Eksperimen	Water mist	Efektif pada tahap awal sebelum thermal runaway	Tidak efektif setelah runaway penuh	<a href="https://www.mdpi.com/2073-4352/13/9/1346">https://www.mdpi.com/2073-4352/13/9/1346</a>
8	Mammacioğlu & Coşkun (2025)	A new experimental approach to lithium-ion battery fires in electric vehicles	Eksperimen	Multi-agent	Tidak ada agent tunggal yang mampu menghentikan thermal runaway	Skala kecil (cell level)	<a href="https://www.sciencedirect.com/science/article/pii/S2214157X25008147">https://www.sciencedirect.com/science/article/pii/S2214157X25008147</a>
9	Gao et al. (2025)	Experimental study on fire extinguishing of lithium-ion batteries by water mist and liquid nitrogen	Eksperimen	Hybrid	Kombinasi meningkatkan efisiensi pendinginan	Belum aplikatif di lapangan	<a href="https://www.sciencedirect.com/science/article/pii/S2352152X25026994">https://www.sciencedirect.com/science/article/pii/S2352152X25026994</a>
10	Huhn et al. (2025)	Lithium-Ion Battery Thermal Runaway Suppression Using External Water Spray	Eksperimen	Water	Cooling eksternal dapat menunda atau mencegah thermal runaway	Setup terbatas	<a href="https://www.mdpi.com/1996-1073/18/11/2709">https://www.mdpi.com/1996-1073/18/11/2709</a>
11	Oh et al. (2024)	Improving Fire Suppression Efficiency in Electric Vehicles: Upward Spray System Study	Eksperimen	Water spray	Pendinginan dari bawah meningkatkan efektivitas	Tidak real incident	<a href="https://www.mdpi.com/2571-6255/7/12/460">https://www.mdpi.com/2571-6255/7/12/460</a>
12	Lou et al. (2025)	Suppression performances of electric vehicle fires by fine water mist in an underground garage	Eksperimen	Water mist	Efektif dalam kondisi ruang tertutup	Spesifik kondisi	<a href="https://www.sciencedirect.com/science/article/pii/S0957582025007736">https://www.sciencedirect.com/science/article/pii/S0957582025007736</a>
13	Chen et al. (2026)	Effect of fine water mist system layout on EV fire suppression	Eksperimen	Water mist	Kombinasi top-bottom meningkatkan performa	Tidak semua tipe EV	<a href="https://www.sciencedirect.com/science/article/pii/S0886779825007783">https://www.sciencedirect.com/science/article/pii/S0886779825007783</a>
14	Chen et al. (2025)	Experimental study on intermittent water mist suppression for lithium-ion battery fires	Eksperimen	Water mist	Intermittent mist lebih efisien penggunaan air	Belum full-scale	<a href="https://www.sciencedirect.com/science/article/pii/S1359431125032600">https://www.sciencedirect.com/science/article/pii/S1359431125032600</a>
15	(MDPI, 2024)	Experimental Study on Fire Suppression Characteristics of Lithium-Ion Battery Using Water-Based System	Eksperimen	Water-based	Efektif menurunkan temperatur dan memperlambat thermal runaway	Skala laboratorium	<a href="https://www.mdpi.com/2571-6255/7/12/479">https://www.mdpi.com/2571-6255/7/12/479</a>
16	Kan et al. (2025)	Full-scale experimental study on smoke and thermal characteristics of EV fires	Eksperimen	Water mist	Water mist efektif mengendalikan smoke dan temperatur	Fokus indoor	<a href="https://www.sciencedirect.com/science/article/pii/S0886779825000525">https://www.sciencedirect.com/science/article/pii/S0886779825000525</a>
17	NIPV (2024)	Fire experiment on use of ultra high pressure extinguishing systems for EV batteries	Eksperimen	UHP water	Penetrasi langsung meningkatkan cooling baterai	Perlu alat khusus	<a href="https://nipv.nl/wp-content/uploads/2024/11/20241126-NIPV-Fire-experiment-to-examine-use-of-UHD-extinguishing-systems-for-fires-in-batteries-electric-vehicles.pdf">https://nipv.nl/wp-content/uploads/2024/11/20241126-NIPV-Fire-experiment-to-examine-use-of-UHD-extinguishing-systems-for-fires-in-batteries-electric-vehicles.pdf</a>
18	NIPV (2024)	Framework for action deploying UHP extinguishing system for EV fire	Guideline	UHP water	Monitoring hotspot sangat penting untuk mencegah re-ignition	Belum universal	<a href="https://nipv.nl/wp-content/uploads/2024/11/20241126-NIPV-Framework-for-action-deploying-UHP-extinguishing-system-fire-in-battery-pack-electric-vehicle.pdf">https://nipv.nl/wp-content/uploads/2024/11/20241126-NIPV-Framework-for-action-deploying-UHP-extinguishing-system-fire-in-battery-pack-electric-vehicle.pdf</a>
19	INERIS (2024)	Summary of work on extinguishing Li-ion battery fires of electric vehicles	Review	Multi	Akses ke battery pack menjadi kendala utama pemadaman	Tidak eksperimental	<a href="https://www.ineris.fr/en/summary-work-extinguishing-li-ion-batteries-fires-electric-vehicles">https://www.ineris.fr/en/summary-work-extinguishing-li-ion-batteries-fires-electric-vehicles</a>
20	In et al. (2025)	Development of a New EV Post-Crash Fire Risk Analysis Procedure	Case study	N/A	Risiko kebakaran meningkat pada kondisi pasca tabrakan	Tidak membahas suppression langsung	<a href="https://www.mdpi.com/2032-6653/16/2/103">https://www.mdpi.com/2032-6653/16/2/103</a>