

**An embedded half-bridge  $\Gamma$ -Z-source inverter with reduced voltage stress on capacitors**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri;** Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; **Chub, Andrii** Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Half-bridge trans-Z-source inverter with high boost factor**

**Mashinchi Maheri, Hamed;** Shokati Asl, Elias; Babaei, Ebrahim; Sabahi, Mehran; Vinnikov, Dmitri IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589525> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Improved half-bridge Z-source inverter based gamma structure with continuous input current**

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**Порівняння імпедансних ланок для перетворювачів з джерелом напруги**

**Husev, Oleksandr; Chub, Andrii; Vinnikov, Dmitri** Технічна електродинаміка 2015 / с. 25-32 : іл <https://techned.org.ua/index.php/techned/article/view/926/803> [Journal metrics at Scopus](#) [Article at Scopus](#)