

**Design of a generalized fractional-order PID controller using operational amplifiers**

Gonzalez, Emmanuel A.; Alimisis, Vassilis; Psychalinos, Costas; **Tepljakov, Aleksei** 2018 25th IEEE International Conference on Electronics Circuits and Systems (ICECS), Bordeaux, France, December 9–12, 2018 2018 / p. 253-256 : ill  
<http://dx.doi.org/10.1109/ICECS.2018.8617954>

**OTA-C realization of PIΛ brake and throttle controllers for autonomous vehicles**

Dimeas, Ilias; Psychalinos, Costas; Elwakil, Ahmed; **Tepljakov, Aleksei** 2017 European Conference on Circuit Theory and Design (ECCTD 2017) : Catania, Italy, 4 - 6 September, 2017 2017 / p. 39-40 : ill <http://dx.doi.org/10.1109/ECCTD.2017.8093229>

**Robust stabilization criteria of a general form of fractional-order controllers for interval fractional-order plants with complex uncertain parameters**

**Ghorbani, Majid** ISA transactions 2022 / p. 140-151 : ill <https://doi.org/10.1016/j.isatra.2022.02.014> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Robust stability analysis of interval fractional-order plants with interval time delay and general form of fractional-order controllers**

**Ghorbani, Majid**; Tavakoli-Kakhki, Mahsan; **Tepljakov, Aleksei**; **Petlenkov, Eduard**; Farnam, Arash; Crevecoeur, Guillaume IEEE Control Systems Letters 2022 / p. 1268-1273 <https://doi.org/10.1109/LCSYS.2021.3091525> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Stabilizing region of fractional-order proportional integral derivative controllers for interval fractional-order plants**

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