

**Fractional order model identification of receptor-ligand complexes formation by equivalent electrical circuit modeling**

Ates, Abdullah; Alagoz, Baris Baykant; **Tepljakov, Aleksei**; **Petlenkov, Eduard** 2019 International Artificial Intelligence and Data Processing Symposium (IDAP) 2019 / 5 p. : ill <https://doi.org/10.1109/IDAP.2019.8875913>

**Time-domain identification of one noninteger order plus time delay models from step response measurements**

Alagoz, Baris Baykant; **Tepljakov, Aleksei**; Ates, Abdullah; **Petlenkov, Eduard**; Yeroglu, Celaledin International journal of modeling, simulation, and scientific computing 2019 / art. 1941011, 22 p. : ill <https://doi.org/10.1142/S1793962319410113> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Towards industrialization of FOPID controllers : a survey on milestones of fractional-order control and pathways for future developments**

**Tepljakov, Aleksei**; Alagoz, Baris Baykant; Yeroglu, Celaledin; Gonzalez, Emmanuel A.; HosseinNia, Hassan; **Petlenkov, Eduard**; **Ates, Abdullah**; **Cech, Martin** IEEE Access 2021 / p. 21016-21042 <https://doi.org/10.1109/ACCESS.2021.3055117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)