# Agenor Fleury

List of Publications by Year
in descending order

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|---|---|---|---|
| 15<br>papers | 270<br>citations | 1307594<br>7<br>h-index | 1281871<br>11<br>g-index |
| 16<br>all docs | 16<br>docs citations | 16<br>times ranked | 246<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Explaining the importance of Euler's method in rigid-body dynamics. International Journal of Mechanical Engineering Education, 2022, 50, 105-119. | 1.0 | 0 |
| 2 | Identification of $CO_2$ and $O_2$ emissions dynamics in a natural gas furnace through flame images, ARMAX models, and Kalman filtering. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1. | 1.6 | 1 |
| 3 | Motion of a disk in contact with a parametric 2D curve and Painlevé's paradox. Multibody System Dynamics, 2020, 48, 427-450. | 2.7 | 0 |
| 4 | Optimization of polyhydroxyalkanoates bioproduction, based on a cybernetic mathematical model. Brazilian Journal of Chemical Engineering, 2020, 37, 643-652. | 1.3 | 2 |
| 5 | On the dynamics of flame images identified through computer vision and modal methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1. | 1.6 | 0 |
| 6 | Assessing the influence of the road-tire friction coefficient on the yaw and roll stability of articulated vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 2987-2999. | 1.9 | 10 |
| 7 | Yaw Stability Analysis of Articulated Vehicles Using Phase Trajectory Method. Lecture Notes in Mechanical Engineering, 2019, , 445-457. | 0.4 | 0 |
| 8 | An inference model for combustion diagnostics in an experimental oil furnace. Expert Systems, 2018, 35, e12245. | 4.5 | 3 |
| 9 | Identification of the state-space dynamics of oil flames through computer vision and modal techniques. Expert Systems With Applications, 2015, 42, 2421-2428. | 7.6 | 6 |
| 10 | Identification of a scaled-model riser dynamics through a combined computer vision and adaptive Kalman filter approach. Mechanical Systems and Signal Processing, 2014, 43, 124-140. | 8.0 | 13 |
| 11 | A new approach based on computer vision and non-linear Kalman filtering to monitor the nebulization quality of oil flames. Expert Systems With Applications, 2013, 40, 4760-4769. | 7.6 | 14 |
| 12 | Dynamic Imaging in Electrical Impedance Tomography of the Human Chest With Online Transition Matrix Identification. IEEE Transactions on Biomedical Engineering, 2010, 57, 422-431. | 4.2 | 37 |
| 13 | A 'cheap' optimal control approach to estimate muscle forces in musculoskeletal systems. Journal of Biomechanics, 2006, 39, 1787-1795. | 2.1 | 38 |
| 14 | Moment arms and musculotendon lengths estimation for a three-dimensional lower-limb model. Journal of Biomechanics, 2004, 37, 1447-1453. | 2.1 | 96 |
| 15 | Biomechanical modeling and optimal control of human posture. Journal of Biomechanics, 2003, 36, 1701-1712. | 2.1 | 50 |