# Javier $\operatorname{Ib} \tilde{A}_{j} \tilde{A} \pm \mathrm{ez}$ 

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/5703886/publications.pdf
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9 Simulation of harmonic oscillators on the lattice. Mathematical Methods in the Applied Sciences,

$$
2020,43,8237-8252 .
$$

11 Boosting the computation of the matrix exponential. Applied Mathematics and Computation, 2019, 340, 206-220.

206-220.

206-220.
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Solving time-invariant differential matrix Riccati equations using GPGPU computing. Journal of
Supercomputing, 2014, 70, 623-636.
22 Computing matrix functions arising in engineering models with orthogonal matrix polynomials.
Mathematical and Computer Modelling, 2013, 57, 1738-1743.

$25 \quad$| Accurate matrix exponential computation to solve coupled differential models in engineering. |
| :--- |
| Mathematical and Computer Modelling, 2011, 54, 1835-1840. |

29 A family of BDF algorithms for solving Differential Matrix Riccati Equations using adaptive

Adamsâ€"Bashforth and Adamsâ€"Moulton methods for solving differential Riccati equations.
30 Computers and Mathematics With Applications, 2010, 60, 3032-3045.

