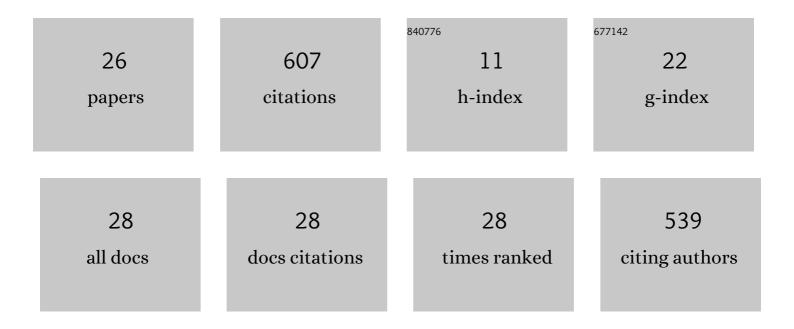
Claudio Serpico

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Numerical Solution of the Fokker-Planck Equation by Spectral Collocation and Finite-Element Methods for Stochastic Magnetization Dynamics. IEEE Transactions on Magnetics, 2022, 58, 1-4. | 2.1 | 3 |
| 2 | A Local Gauge Description of the Interaction Between Magnetization and Electric Field in a Ferromagnet. IEEE Transactions on Magnetics, 2022, 58, 1-4. | 2.1 | 3 |
| 3 | Impact of Magneto-Electric Coupling on Metastable Magnetic States in Thin Disks. IEEE Transactions on Magnetics, 2022, 58, 1-5. | 2.1 | 1 |
| 4 | Magnetization switching in the inertial regime. Physical Review B, 2022, 105, . | 3.2 | 20 |
| 5 | Inertial spin dynamics in ferromagnets. Nature Physics, 2021, 17, 245-250. | 16.7 | 78 |
| 6 | Nonlinear Magnetization Dynamics Driven by Strong Terahertz Fields. Physical Review Letters, 2019, 123, 197204. | 7.8 | 26 |
| 7 | Magnetization reversal driven by low dimensional chaos in a nanoscale ferromagnet. Nature Communications, 2019, 10, 543. | 12.8 | 27 |
| 8 | Large scale finite-element simulation of micromagnetic thermal noise. Journal of Magnetism and Magnetic Materials, 2019, 475, 408-414. | 2.3 | 16 |
| 9 | Magnetization Reversal in Exchange Spring Bilayer System Under Circularly Polarized Microwave Field. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 2.1 | 2 |
| 10 | Phase-Flow Interpretation of Magnetization Relaxation in Nanomagnets. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 2.1 | 5 |
| 11 | Dipolar mode localization and spectral gaps in quasi-periodic arrays of ferromagnetic nanoparticles. Physical Review B, 2009, 79, . | 3.2 | 7 |
| 12 | Spin-wave analysis of uniaxial nanopillar devices. Journal of Applied Physics, 2009, 105, 07D104. | 2.5 | 7 |
| 13 | Nonlinear Resonant and Chaotic Dynamics in Microwave Assisted Magnetization Switching. IEEE Transactions on Magnetics, 2009, 45, 3950-3953. | 2.1 | 7 |
| 14 | A novel formulation for the numerical computation of magnetization modes in complex micromagnetic systems. Journal of Computational Physics, 2009, 228, 6130-6149. | 3.8 | 39 |
| 15 | Analytical Description of Quasi-Random Magnetization Relaxation to Equilibrium. IEEE Transactions on Magnetics, 2009, 45, 5224-5227. | 2.1 | 15 |
| 16 | Computation of Resonant Modes and Frequencies for Saturated Ferromagnetic Nanoparticles. IEEE Transactions on Magnetics, 2008, 44, 3141-3144. | 2.1 | 8 |
| 17 | Nonlinear Magnetization Dynamics. Switching and Relaxation Phenomena. , 2006, , 435-565. | | 10 |
| 18 | Nonlinear Magnetization Dynamics. Magnetization Modes and Spin Waves under Rotating Fields. , 2006, | | Q |

¹⁸ , 567-642.

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Geometrical integration of Landau–Lifshitz–Gilbert equation based on the mid-point rule. Journal of Computational Physics, 2005, 209, 730-753. | 3.8 | 108 |
| 20 | Analytical description of magnetization relaxation to equilibrium. Journal of Applied Physics, 2005, 97, 10E315. | 2.5 | 5 |
| 21 | Quasiperiodic magnetization dynamics in uniformly magnetized particles and films. Journal of Applied Physics, 2004, 95, 7052-7054. | 2.5 | 24 |
| 22 | Generalized magnetostatic modes around large magnetization motions. Journal of Applied Physics, 2004, 95, 7046-7048. | 2.5 | 3 |
| 23 | Nonlinear Magnetization Dynamics under Circularly Polarized Field. Physical Review Letters, 2001, 86, 724-727. | 7.8 | 159 |
| 24 | Spin-Wave Instabilities in Large-Scale Nonlinear Magnetization Dynamics. Physical Review Letters, 2001, 87, 217203. | 7.8 | 30 |
| 25 | Step response characterization of nonlinear diffusion of electromagnetic fields. Journal of Applied Physics, 1999, 85, 4388-4390. | 2.5 | 0 |
| 26 | Eddy current losses in anisotropic media subject to rotating magnetic fluxes. Journal of Applied Physics, 1999, 85, 5199-5201. | 2.5 | 0 |