# Slawomir Mamica

List of Publications by Year
in descending order

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| 45 | 648 | 516710 16 | 610901 24 |
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| papers | citations | h-index | g-index |

| 45 | 45 | 45 | 395 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Influence of the demagnetizing field on the spin-wave softening in bicomponent magnonic crystals. Journal of Magnetism and Magnetic Materials, 2022, 546, 168690. | 2.3 | 5 |
| 2 | Resonance modes of periodically structuralized microwave magnetic elements. Journal of Magnetism and Magnetic Materials, 2022, 553, 169261. | 2.3 | 0 |
| 3 | Phase resolved observation of spin wave modes in antidot lattices. Applied Physics Letters, 2021, 118, . | 3.3 | 9 |
| 4 | Nonuniform Spin-Wave Softening in Two-Dimensional Magnonic Crystals as a Tool for Opening Omnidirectional Magnonic Band Gaps. Physical Review Applied, 2019, 11, . | 3.8 | 18 |
| 5 | Influence of nonmagnetic dielectric spacers on the spin-wave response of one-dimensional planar magnonic crystals. Physical Review B, 2019, 100, . | 3.2 | 10 |
| 6 | Reversible tuning of omnidirectional band gaps in two-dimensional magnonic crystals by magnetic field and in-plane squeezing. Physical Review B, 2019, 100, . | 3.2 | 8 |
| 7 | Spin-wave dynamics in artificial anti-spin-ice systems: Experimental and theoretical investigations. Physical Review B, 2018, 98, . | 3.2 | 23 |
| 8 | Spin Wave Excitations of the Interacting Two-Dimensional In-Plane Nano-Vortices. Acta Physica Polonica A, 2018, 133, 505-507. | 0.5 | 0 |
| 9 | Magnetic Properties of Nanostructures in Non-Integer Dimensions. , 2018, , 159-192. | | 0 |
| 10 | Magnonic Crystals: From Simple Models toward Applications. , 2018, , 283-331. | | 0 |
| 11 | Tailoring dynamic magnetic characteristics of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>60</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>40</mml:mn></mml:msub></mml:mrow></mml:math>films | 3.2 | 18 |
| 12 | Vortices in two-dimensional nanorings studied by means of the dynamical matrix method. Low Temperature Physics, 2015, 41, 806-816. | 0.6 | 4 |
| 13 | Magnonic crystalsâ€”Prospective structures for shaping spin waves in nanoscale. Low Temperature Physics, 2015, 41, 745-759. | 0.6 | 31 |
| 14 | Propagation Effects in the Spin-Wave Spectrum of the Ferromagnetic Thin Film. Advances in Condensed Matter Physics, 2015, 2015, 1-17. | 1.1 | 3 |
| 15 | Influence of the next-nearest neighbor exchange interaction on the thin-film spinâ€wave spectrum. Thin Solid Films, 2015, 595, 41-47. | 1.8 | 1 |
| 16 | Special Modes in Spin Wave Spectra of Two-Dimensional Nanodots. Acta Physica Polonica A, 2015, 127, 365-367. | 0.5 | 1 |
| 17 | Dynamic effects on the spin-wave spectrum of the bcc thin film. European Physical Journal B, 2014, 87, 1. | 1.5 | 1 |
| 18 | Effects of the competition between the exchange and dipolar interactions in the spin-wave spectrum of two-dimensional circularly magnetized nanodots. Journal Physics D: Applied Physics, 2014, 47, 015003. | 2.8 | 24 |

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|---|---|---|---|
| 19 | Tailoring of the partial magnonic gap in three-dimensional magnetoferritin-based magnonic crystals. Journal of Applied Physics, 2013, 114, 043912. | 2.5 | 8 |
| 20 | Vortex polarization dynamics in a square magnetic nanodot. Journal of Physics Condensed Matter, 2013, 25, 466001. | 1.8 | 7 |
| 21 | Magnonic band structures in two-dimensional bi-component magnonic crystals with in-plane magnetization. Journal Physics D: Applied Physics, 2013, 46, 495003. | 2.8 | 69 |
| 22 | Stabilization of the in-plane vortex state in two-dimensional circular nanorings. Journal of Applied Physics, 2013, 113, . | 2.5 | 16 |
| 23 | Spin-wave spectra and stability of the in-plane vortex state in two-dimensional magnetic nanorings. Journal of Applied Physics, 2013, 114, . | 2.5 | 9 |
| 24 | Time-resolved measurement of spin-wave spectra in CoO capped [Co(t)/Pt(7Ã...)]n-1 Co(t) multilayer systems. Journal of Applied Physics, 2012, 111, 07C507. | 2.5 | 10 |
| 25 | The impact of the lattice symmetry and the inclusion shape on the spectrum of 2D magnonic crystals. Journal of Applied Physics, 2012, 111, . | 2.5 | 39 |
| 26 | Stability of the Landau state in square two-dimensional magnetic nanorings. Journal of Applied Physics, 2012, 112, 043901. | 2.5 | 11 |
| 27 | Large magnonic band gaps and spectra evolution in three-dimensional magnonic crystals based on magnetoferritin nanoparticles. Physical Review B, 2012, 86, . | 3.2 | 45 |
| 28 | Investigation of spin wave damping in three-dimensional magnonic crystals using the plane wave method. Physical Review B, 2012, 86, . | 3.2 | 30 |
| 29 | Spin-Wave Band Structure in 2D Magnonic Crystals with Elliptically Shaped Scattering Centres. Advances in Condensed Matter Physics, 2012, 2012, 1-6. | 1.1 | 25 |
| 30 | On the Formulation of the Exchange Field in the Landau-Lifshitz Equation for Spin-Wave Calculation in Magnonic Crystals. Advances in Condensed Matter Physics, 2012, 2012, 1-14. | 1.1 | 26 |
| 31 | Calculation of the spin-wave spectra in planar magnonic crystals with metallic overlayers. Journal of Applied Physics, 2012, 111, . | 2.5 | 24 |
| 32 | Calculation of spin wave spectra in magnetic nanograins and patterned multilayers with perpendicular anisotropy. Journal of Applied Physics, 2011, 109, 113903. | 2.5 | 10 |
| 33 | Tunable metamaterial response of a Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>80</mml:mn></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>20</mml:mn></mml:msub></mml:math>antidot lattice for spin waves. Physical Review B, 2011, 84, . | 3.2 | 45 |
| 34 | The effect of the single-spin defect on the stability of the in-plane vortex state in 2D magnetic nanodots. Journal of Nanoparticle Research, 2011, 13, 6075-6083. | 1.9 | 17 |
| 35 | Materials optimization of the magnonic gap in three-dimensional magnonic crystals with spheres in hexagonal structure. Journal of Applied Physics, 2010, 108, . | 2.5 | 23 |
| 36 | Effects of spin-wave energy degeneracy induced by in-plane wave propagation in ferromagnetic thin films. Journal of Magnetism and Magnetic Materials, 2010, 322, 2994-2999. | 2.3 | 4 |

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|---|---|---|---|
| 37 | Theoretical study of spin wave resonance filling fraction effect in composite ferromagnetic [A\|B\|A] trilayer. Journal of Magnetism and Magnetic Materials, 2002, 246, 93-100. | 2.3 | 16 |
| 38 | The Role of Next-Nearest Neighbours for the Existence Conditions of Subsurface Spin Waves in Magnetic Films. Physica Status Solidi (B): Basic Research, 2000, 218, 561-569. | 1.5 | 13 |
| 39 | The Role of Next-Nearest Neighbours for the Existence Conditions of Subsurface Spin Waves in Magnetic Films. , 2000, 218, 561. | | 1 |
| 40 | The Emergence of Subsurface Spin-Waves in fcc (110) Magnetic Films. Acta Physica Polonica A, 2000, 97, 483-486. | 0.5 | 3 |
| 41 | The Role of Next-Nearest Neighbours for the Existence Conditions of Subsurface Spin Waves in Magnetic Films. Physica Status Solidi (B): Basic Research, 2000, 218, 561-569. | 1.5 | 0 |
| 42 | Does the generation of surface spin-waves hinge critically on the range of neighbour interaction?. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 246, 347-352. | 2.1 | 17 |
| 43 | The Role of Oblique-to-Surface Disposition of Neighbours in the Emergence of Surface Spin Waves in Magnetic Films. Acta Physica Polonica A, 1998, 94, 79-91. | 0.5 | 16 |
| 44 | Magnonic Metamaterials. , 0, , . | | 7 |
| 45 | Spin-Wave Dynamics in the Presence of Magnetic Vortices. , 0, , . | | 1 |