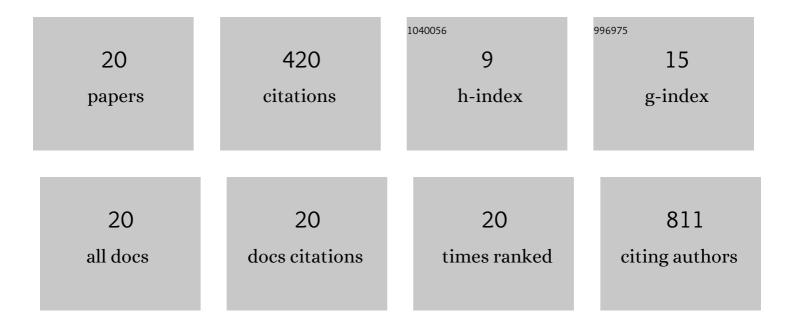
Mykhaylo Balinskyy

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Dualâ€Functional Graphene Composites for Electromagnetic Shielding and Thermal Management. Advanced Electronic Materials, 2019, 5, 1800558. | 5.1 | 183 |
| 2 | CoFeB-Based Spin Hall Nano-Oscillators. IEEE Magnetics Letters, 2014, 5, 1-4. | 1.1 | 71 |
| 3 | Magnetoelectric Spin Wave Modulator Based On Synthetic Multiferroic Structure. Scientific Reports, 2018, 8, 10867. | 3.3 | 37 |
| 4 | Reversible magnetic logic gates based on spin wave interference. Journal of Applied Physics, 2018, 123, . | 2.5 | 32 |
| 5 | Spin wave excitation in sub-micrometer thick Y3Fe5O12films fabricated by pulsed laser deposition on garnet and silicon substrates: A comparative study. Journal of Applied Physics, 2017, 122, 123904. | 2.5 | 19 |
| 6 | Spin wave interference in YIG cross junction. AIP Advances, 2017, 7, . | 1.3 | 15 |
| 7 | The discrete noise of magnons. Applied Physics Letters, 2019, 114, . | 3.3 | 15 |
| 8 | Realization of spin wave switch for data processing. AIP Advances, 2018, 8, . | 1.3 | 12 |
| 9 | Quantum computing without quantum computers: Database search and data processing using classical wave superposition. Journal of Applied Physics, 2021, 130, . | 2.5 | 9 |
| 10 | Compact, widely tunable, half-lambda YIG oscillator. , 2012, , . | | 5 |
| 11 | Brillouin-Mandelstam spectroscopy of standing spin waves in a ferrite waveguide. AIP Advances, 2018, 8, . | 1.3 | 5 |
| 12 | Effects of the magnetic field variation on the spin wave interference in a magnetic cross junction. AIP Advances, 2018, 8, 056619. | 1.3 | 5 |
| 13 | Spin wave interference detection via inverse spin Hall effect. Applied Physics Letters, 2021, 118, . | 3.3 | 4 |
| 14 | Perpendicularly magnetized YIG-film resonators and waveguides with high operating power. AIP Advances, 2017, 7, . | 1.3 | 3 |
| 15 | Brillouin-Mandelstam spectroscopy of stress-modulated spatially confined spin waves in Ni thin films on piezoelectric substrates. Journal of Magnetism and Magnetic Materials, 2020, 501, 166440. | 2.3 | 2 |
| 16 | Micro magnet location using spin waves. Journal of Applied Physics, 2022, 132, . | 2.5 | 2 |
| 17 | Information transduction based on magnons. , 2012, , . | | 1 |

18 Epitaxial ferrite film straight edge resonators. , 0, , .

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Prime factorization using coupled oscillators with positive feedback. AIP Advances, 2022, 12, 045307. | 1.3 | 0 |
| 20 | Period finding and prime factorization using classical wave superposition. Journal of Applied Physics, 2022, 131, 153901. | 2.5 | 0 |