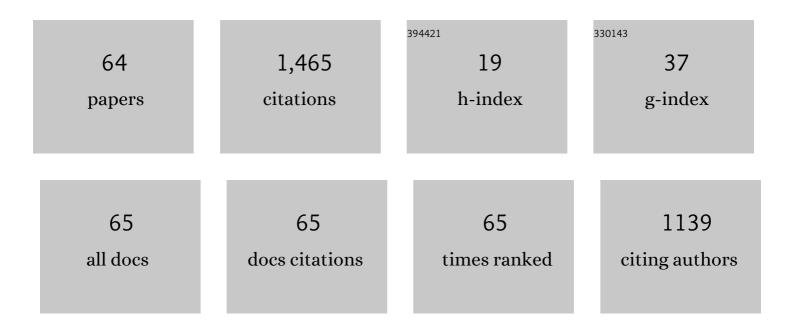
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------|
| 1 | Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/Mo/CoFeB/MgO junctions. Journal Physics D: Applied Physics, 2022, 55, 275003. | 2.8 | 3 |
| 2 | Improvement in perpendicular magnetic anisotropy and its voltage control efficiency in CoFeB/MgO tunnel junctions with Ta/Mo layered adhesion structures. Journal of Applied Physics, 2022, 131, 213901. | 2.5 | 1 |
| 3 | Perpendicular magnetic anisotropy and its electrical control in FeNiB ultrathin films. AIP Advances, 2021, 11, . | 1.3 | 2 |
| 4 | Low Gilbert damping in epitaxial thin films of the nodal-line semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow> <mml:mi>D</mml:mi> <mml:msub> <mml:n mathvariant="normal">Fe <mml:mn>3</mml:mn> </mml:n </mml:msub> <mml:mi>Ga</mml:mi> . Physical Review B, 2021, 103, .</mml:mrow></mml:math | ۱n>03.2 | ıl:mŋ> <mml:n< td=""></mml:n<> |
| 5 | Analysis of an all-in-plane spin-torque oscillator using injection locking to an external microwave magnetic field. Applied Physics Express, 2021, 14, 053001. | 2.4 | 3 |
| 6 | Development of a highâ€sensitivity VNAâ€FMR spectrometer with field modulation detection and its application to magnetic characterization. Electronics and Communications in Japan, 2021, 104, e12320. | 0.5 | 3 |
| 7 | Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/MgO junctions with atomically thin Ta adhesion layers. Acta Materialia, 2021, 216, 117097. | 7.9 | 19 |
| 8 | Radio-Frequency (RF) Permeameter. , 2021, , 407-430. | | 0 |
| 9 | Analysis method of a spin-torque oscillator using dc resistance change during injection locking to an external microwave magnetic field. Applied Physics Letters, 2021, 119, . | 3.3 | 3 |
| 10 | Large voltage-induced coercivity change in Pt/Co/CoO/amorphous TiOx structure and heavy metal insertion effect. Scientific Reports, 2021, 11, 21448. | 3.3 | 5 |
| 11 | Analysis of a Spin-Torque Oscillator Using Injection Locking to an External Microwave Field. , 2021, , . | | Ο |
| 12 | Voltage-Driven Magnetization Switching Controlled by Microwave Electric Field Pumping. Nano Letters, 2020, 20, 6012-6017. | 9.1 | 14 |
| 13 | Voltage-Driven Magnetization Switching Using Inverse-Bias Schemes. Physical Review Applied, 2020, 13, . | 3.8 | 18 |
| 14 | Broadband and high-sensitivity permeability measurements on a single magnetic particle by transformer coupled permeameter. Journal of Magnetism and Magnetic Materials, 2020, 501, 166434. | 2.3 | 6 |
| 15 | High-speed write error rate evaluation of a voltage-torque magnetic random access memory cell. Japanese Journal of Applied Physics, 2019, 58, 060905. | 1.5 | 1 |
| 16 | Inducing out-of-plane precession of magnetization for microwave-assisted magnetic recording with an oscillating polarizer in a spin-torque oscillator. Applied Physics Letters, 2019, 114, . | 3.3 | 16 |
| 17 | Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by aÂControlled Voltage Pulse. Physical Review Applied, 2019, 11, . | 3.8 | 32 |
| 18 | Improvement of write error rate in voltage-driven magnetization switching. Journal Physics D: Applied Physics. 2019. 52. 164001. | 2.8 | 36 |

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| 19 | Enhancement in the interfacial perpendicular magnetic anisotropy and the voltage-controlled magnetic anisotropy by heavy metal doping at the Fe/MgO interface. APL Materials, 2018, 6, . | 5.1 | 53 |
| 20 | Vector network analyzer ferromagnetic resonance spectrometer with field differential detection. Review of Scientific Instruments, 2018, 89, 053901. | 1.3 | 16 |
| 21 | Accurate calculation and shaping of the voltage pulse waveform applied to a voltage-controlled magnetic random access memory cell. Japanese Journal of Applied Physics, 2018, 57, 073002. | 1.5 | 9 |
| 22 | Spin torque diode effect of the magnetic tunnel junction with MnGa free layer. Applied Physics Letters, 2018, 112, . | 3.3 | 12 |
| 23 | Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. Physical Review Applied, 2018, 10, . | 3.8 | 29 |
| 24 | Accurate De-Embedding and Measurement of Spin-Torque Oscillators. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 2.1 | 3 |
| 25 | Reduction in write error rate of voltage-driven dynamic magnetization switching by improving thermal stability factor. Applied Physics Letters, 2017, 111, . | 3.3 | 60 |
| 26 | Highly efficient voltage control of spin and enhanced interfacial perpendicular magnetic anisotropy in iridium-doped Fe/MgO magnetic tunnel junctions. NPG Asia Materials, 2017, 9, e451-e451. | 7.9 | 84 |
| 27 | Measurement of shot noise in magnetic tunnel junction and its utilization for accurate system calibration. Journal of Applied Physics, 2017, 122, . | 2.5 | 4 |
| 28 | Physical Origin and Theoretical Limit of the Phase Stability of a Spin-Torque Oscillator Stabilized by a Phase-Locked Loop. Physical Review Applied, 2017, 7, . | 3.8 | 2 |
| 29 | Voltage-Controlled Magnetic Anisotropy in an Ultrathin Fe Layer Sandwiched Between Cr and Mgo Layers. , 2016, , . | | 1 |
| 30 | Evaluation of write error rate for voltage-driven dynamic magnetization switching in magnetic tunnel junctions with perpendicular magnetization. Applied Physics Express, 2016, 9, 013001. | 2.4 | 87 |
| 31 | Diameter dependence of emission power in MgO-based nano-pillar spin-torque oscillators. Applied Physics Letters, 2016, 108, . | 3.3 | 12 |
| 32 | Extremely Coherent Microwave Emission from Spin Torque Oscillator Stabilized by Phase Locked Loop. Scientific Reports, 2016, 5, 18134. | 3.3 | 51 |
| 33 | Spin-wave eigenmodes in single disk-shaped FeB nanomagnet. Physical Review B, 2016, 94, . | 3.2 | 9 |
| 34 | Analysis of phase noise in a spin torque oscillator stabilized by phase locked loop. Applied Physics Express, 2016, 9, 053005. | 2.4 | 10 |
| 35 | Magnetic field angle dependence of out-of-plane precession in spin torque oscillators having an in-plane magnetized free layer and a perpendicularly magnetized reference layer. Applied Physics Express, 2016, 9, 053006. | 2.4 | 13 |
| 36 | Large Voltage-Induced Changes in the Perpendicular Magnetic Anisotropy of an MgO-Based Tunnel Junction with an Ultrathin Fe Layer. Physical Review Applied, 2016, 5, . | 3.8 | 141 |

| # | Article | IF | CITATIONS |
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| 37 | Influence of output power of a spin torque oscillator on phase locked loop operation. Japanese Journal of Applied Physics, 2016, 55, 093003. | 1.5 | 3 |
| 38 | Field angle dependence of voltage-induced ferromagnetic resonance under DC bias voltage. Journal of Magnetism and Magnetic Materials, 2016, 400, 159-162. | 2.3 | 8 |
| 39 | Generation of highly stable 5 GHz microwave from a spin torque oscillator by phase locked loop referenced to a 80 MHz clock. , 2015, , . | | 1 |
| 40 | Perpendicular magnetic anisotropy of Ir/CoFeB/MgO trilayer system tuned by electric fields. Applied Physics Express, 2015, 8, 053003. | 2.4 | 73 |
| 41 | Discontinuous frequency drop in spin torque oscillator with a perpendicularly magnetized FeB free layer. Japanese Journal of Applied Physics, 2014, 53, 060307. | 1.5 | 6 |
| 42 | Role of Magnetic Field in Self-Oscillation of Nanomagnet Excited by Spin Torque. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 2.1 | 2 |
| 43 | Damping parameter and interfacial perpendicular magnetic anisotropy of FeB nanopillar sandwiched between MgO barrier and cap layers in magnetic tunnel junctions. Applied Physics Express, 2014, 7, 033004. | 2.4 | 28 |
| 44 | High-output microwave detector using voltage-induced ferromagnetic resonance. Applied Physics Letters, 2014, 105, 192408. | 3.3 | 23 |
| 45 | Ultrahigh Sensitivity Ferromagnetic Resonance Measurement Based on Microwave Interferometer. IEEE Magnetics Letters, 2014, 5, 1-4. | 1.1 | 19 |
| 46 | Observations of thermally excited ferromagnetic resonance on spin torque oscillators having a perpendicularly magnetized free layer. Journal of Applied Physics, 2014, 115, 17C740. | 2.5 | 16 |
| 47 | High emission power and Q factor in spin torque vortex oscillator consisting of FeB free layer. Applied Physics Express, 2014, 7, 063009. | 2.4 | 58 |
| 48 | Bias field angle dependence of the self-oscillation of spin torque oscillators having a perpendicularly magnetized free layer and in-plane magnetized reference layer. Applied Physics Express, 2014, 7, 063005. | 2.4 | 19 |
| 49 | Magnetization switching assisted by high-frequency-voltage-induced ferromagnetic resonance. Applied Physics Express, 2014, 7, 073002. | 2.4 | 25 |
| 50 | Measurement of ultra-low power oscillators using adaptive drift cancellation with applications to nano-magnetic spin torque oscillators. Review of Scientific Instruments, 2013, 84, 054704. | 1.3 | 0 |
| 51 | Voltage-Induced Magnetic Anisotropy Changes in an Ultrathin FeB Layer Sandwiched between Two MgO Layers. Applied Physics Express, 2013, 6, 073005. | 2.4 | 52 |
| 52 | Critical Field of Spin Torque Oscillator with Perpendicularly Magnetized Free Layer. Applied Physics Express, 2013, 6, 123003. | 2.4 | 48 |
| 53 | Spin-Torque Oscillator Based on Magnetic Tunnel Junction with a Perpendicularly Magnetized Free Layer and In-Plane Magnetized Polarizer. Applied Physics Express, 2013, 6, 103003. | 2.4 | 144 |
| 54 | Deviation from exponential decay for spin waves excited with a coplanar waveguide antenna. Applied Physics Letters, 2012, 101, 252409. | 3.3 | 10 |

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| 55 | Experimental Study of the Variation in Oscillation Characteristics of Point-Contact-Based Spin-Torque Oscillators. IEEE Magnetics Letters, 2012, 3, 3000504-3000504. | 1.1 | 7 |
| 56 | Green's function for magnetostatic surface waves and its application to the study of diffraction patterns. Physical Review B, 2011, 84, . | 3.2 | 7 |
| 57 | Charge-based scanning probe readback of nanometer-scale ferroelectric domain patterns at megahertz rates. Nanotechnology, 2009, 20, 225501. | 2.6 | 16 |
| 58 | Measurement of magnetostatic mode excitation and relaxation in permalloy films using scanning Kerr imaging. Physical Review B, 2004, 70, . | 3.2 | 41 |
| 59 | Imaging of quantized magnetostatic modes using spatially resolved ferromagnetic resonance. Journal of Applied Physics, 2002, 91, 8034. | 2.5 | 72 |
| 60 | High frequency dynamics of the soft underlayer in perpendicular recording system. Journal of Applied Physics, 2002, 91, 8052. | 2.5 | 11 |
| 61 | Real-time observation of sub-nanosecond magnetic switching in perpendicular multilayers. Journal of Magnetism and Magnetic Materials, 2001, 235, 138-142. | 2.3 | 6 |
| 62 | Sub-nanosecond non-Arrhenius magnetic switching in perpendicular multilayers. IEEE Transactions on Magnetics, 2001, 37, 1570-1572. | 2.1 | 7 |
| 63 | Measurement of magnetostatic mode excitation and relaxation in Permalloy films using scanning Kerr imaging. , 0, , . | | 0 |
| 64 | Perpendicular Magnetic Anisotropy and its Voltage Control in MgO/CoFeB/MgO Junctions with Atomically Thin Ta Adhesion Layers. SSRN Electronic Journal, 0, , . | 0.4 | 0 |