# Dan Wei

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 47 papers | 294 citations | 1170033 9 h-index | 1051228 16 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 384 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Micromagnetics of Ndâ€“Feâ€“B magnets at finite temperature. Japanese Journal of Applied Physics, 2021, 60, 030909. | 0.8 | 4 |
| 2 | Studies of HAMR Recording by Hybrid Monte Carlo Micromagnetics. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 1.2 | 3 |
| 3 | Spin orbit torques induced magnetization reversal through asymmetric domain wall propagation in Ta/CoFeB/MgO structures. Scientific Reports, 2018, 8, 1355. | 1.6 | 42 |
| 4 | Size and temperature dependence of M-H loop for Pt/CoFe/IrMn heterojunction. AIP Advances, 2018, 8, 056012. | 0.6 | 1 |
| 5 | Hybrid Monte Carlo Micromagnetics. IEEE Transactions on Magnetics, 2018, 54, 1-6. | 1.2 | 4 |
| 6 | Spin-Torque Ferromagnetic Resonance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mrow><mml:mi mathvariant="normal">W</mml:mi></mml:mrow></mml:mrow><mml:mo>/</mml:mo><mml:mi>Co</mml:mi><mml:mstyle displaystyle="false" scriptlevel="0"><mml:mtext>â€”</mml:mtext></mml:mstyle><mml:mi>Fe</mml:mi><mml:mstyle displaystyl | 1.3 | 23 |
| 7 | Micromagnetic Studies of Laser-Induced Magnetization Dynamics in FePtâ€“C Films. IEEE Transactions on Magnetics, 2018, 54, 1-4. | 1.2 | 2 |
| 8 | Simulation of M â€“ H Loops in FeCo Polycrystalline Thin Films at Finite Temperatures. Chinese Physics Letters, 2017, 34, 047502. | 1.3 | 1 |
| 9 | MAMR Frequency Selection on [CoX/Pt]4 Media. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 1.2 | 0 |
| 10 | Micromagnetic Studies at Finite Temperature on FePtâ€“C Granular Films. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 1.2 | 8 |
| 11 | Influence of exchange on signal-to-noise ratio in [CoX/Pt]4 media. AIP Advances, 2017, 7, 056515. | 0.6 | 2 |
| 12 | Micromagnetic Studies of Time-Dependent Coercivity. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 1.2 | 3 |
| 13 | Micromagnetics at Finite Temperature. IEEE Transactions on Magnetics, 2016, 52, 1-8. | 1.2 | 19 |
| 14 | Micromagnetic Studies of Spin-Torque Oscillator Adjacent to Soft Magnetic Thin Film. IEEE Magnetics Letters, 2016, 7, 1-4. | 0.6 | 0 |
| 15 | Optimum Multilayer Anisotropy Distribution for Microwave-Assisted Magnetic Recording [CoX/Pt]<sub><italic>n</italic></sub>Media. IEEE Transactions on Magnetics, 2016, 52, 1-4. | 1.2 | 4 |
| 16 | IEEE International Magnetics Conference 2015 Publication Chairâ€™s Preface. IEEE Transactions on Magnetics, 2015, 51, 1-1. | 1.2 | 1 |
| 17 | International Conference on Solid State Physics 2013 Publication Chair's Preface. IEEE Transactions on Magnetics, 2014, 50, 1-1. | 1.2 | 1 |
| 18 | The role of inhomogeneity of perpendicular anisotropy in magnetic properties of ultra thin CoFeB film. Journal of Applied Physics, 2014, 115, . | 1.1 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Investigations on magnetostatic interactions among CoFeB layers with perpendicular anisotropy in [Ta/CoFeB/MgO]N multilayers. Journal of Applied Physics, 2014, 115, 17C122. | 1.1 | 6 |
| 20 | Studies on Domain Structure of FeCoZr Films From MFM Image by Calculating the Surface Stray Field. IEEE Transactions on Magnetics, 2013, 49, 3553-3556. | 1.2 | 1 |
| 21 | Optimization of perpendicular magnetic anisotropy tips for high resolution magnetic force microscopy by micromagnetic simulations. Applied Physics A: Materials Science and Processing, 2013, 112, 985-991. | 1.1 | 2 |
| 22 | Micromagnetic study of effect of tip-coating microstructure on the resolution of magnetic force microscopy. Applied Physics A: Materials Science and Processing, 2013, 110, 217-225. | 1.1 | 2 |
| 23 | Micromagnetic Studies of Density Limit in Polycrystalline Recording Media. Journal of the Magnetics Society of Japan, 2013, 37, 132-136. | 0.5 | 0 |
| 24 | Magnetic properties and high-frequency characteristics of FeCoAlO gradient composition thin films. Journal of Applied Physics, 2012, 111, . | 1.1 | 3 |
| 25 | Switching phase diagrams of exchange coupled composite media using two-particle model. Journal of Applied Physics, 2012, 111, 07B726. | 1.1 | 2 |
| 26 | High frequency characteristics of FeCoAlO thin films fabricated with asymmetric target at different Ar gas flow rates. Journal of Applied Physics, 2012, 111, 07A509. | 1.1 | 3 |
| 27 | Micromagnetic Studies of Co/Pt Multilayers With Perpendicular Anisotropy. IEEE Transactions on Magnetics, 2012, 48, 3438-3441. | 1.2 | 5 |
| 28 | Micromagnetic studies on exchange coupled composite recording media. Journal of Applied Physics, 2012, 111, 07B719. | 1.1 | 1 |
| 29 | Micromagnetic studies on resolution limits of magnetic force microscopy tips with different magnetic anisotropy. Journal of Applied Physics, 2012, 111, . | 1.1 | 7 |
| 30 | Calculations of Phonon Density of States and Heating Rate by Molecular Dynamics in L1$_{0}$ FePt. IEEE Transactions on Magnetics, 2012, 48, 3735-3737. | 1.2 | 0 |
| 31 | The Role of Magnetoelastic Field Related to Underlayers on Magnetic Properties of FeCo Thin Films. IEEE Transactions on Magnetics, 2012, 48, 2917-2920. | 1.2 | 5 |
| 32 | Restoration the domain structure from magnetic force microscopy image. Journal of Applied Physics, 2012, 111, 07E343. | 1.1 | 5 |
| 33 | The Fourier analysis of magnetic force microscopy imaging. Journal of Applied Physics, 2012, 112, 063913. | 1.1 | 3 |
| 34 | Micromagnetics and Recording Materials. SpringerBriefs in Applied Sciences and Technology, 2012, , . | 0.2 | 21 |
| 35 | High frequency characteristics of FeCoAlO thin films combined the effects of stress and magnetic field. Journal of Applied Physics, 2011, 109, 07B509. | 1.1 | 20 |
| 36 | Limits of Discretization in Computational Micromagnetics. IEEE Transactions on Magnetics, 2011, 47, 3813-3816. | 1.2 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Micromagnetic Studies on Stripe Domain in Soft-Magnetic Thin Films. IEEE Transactions on Magnetics, 2011, 47, 3527-3530. | 1.2 | 0 |
| 38 | The role of symmetry-breaking-induced interface anisotropy in [Fe/Pt]n multilayer films. Journal of Applied Physics, 2011, 109, 07D343. | 1.1 | 3 |
| 39 | Influence of Intermediate Layer on Magnetic Properties of $L1_{0}$Ordered FePt Perpendicular Recording Media. IEEE Transactions on Magnetics, 2010, 46, 2024-2027. | 1.2 | 6 |
| 40 | Investigation of microstructure and soft magnetic properties of Fe65Co35 thin films deposited on different underlayers. Journal of Applied Physics, 2010, 107, 09A325. | 1.1 | 18 |
| 41 | Effects of crystalline and elastic anisotropies on coercivity of longitudinally oriented CoCrPt thin films grown on CrW underlayer. Journal of Applied Physics, 2009, 105, 07D503. | 1.1 | 1 |
| 42 | Reversal Properties of Write Head at Extremely High Density. IEEE Transactions on Magnetics, 2009, 45, 3672-3675. | 1.2 | 2 |
| 43 | Anisotropy Distribution of FePt Nanoparticles With Twinned Structures. IEEE Transactions on Magnetics, 2009, 45, 4427-4430. | 1.2 | 8 |
| 44 | Preparation of soft magnetic FeCo-based films for writers. Journal of Applied Physics, 2009, 105, 07B714. | 1.1 | 28 |
| 45 | Effect of Sawtooth Shape on Switching Process of Write Head. IEEE Transactions on Magnetics, 2008, 44, 3145-3148. | 1.2 | 2 |
| 46 | Preparation of Longitudinally Oriented CoCrPt Thin Film in GMR Head at Room Temperature. IEEE Transactions on Magnetics, 2008, 44, 2858-2861. | 1.2 | 1 |
| 47 | Micromagnetic studies of domain structures and switching properties in a magnetoresistive random access memory cell. Journal of Applied Physics, 2005, 97, 10E310. | 1.1 | 1 |