

Bao-Yu Zong

List of Publications by Year in descending order

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48
papers

1,079
citations

687363

13
h-index

395702

33
g-index

49
all docs

49
docs citations

49
times ranked

1576
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | N ₂ purging effect on electrodeposition of active ferromagnetic thin FeCo films. Journal of Alloys and Compounds, 2018, 730, 284-290. | 5.5 | 3 |
| 2 | Microwave permeability of stripe patterned FeCoN thin film. Journal of Magnetism and Magnetic Materials, 2017, 426, 467-472. | 2.3 | 10 |
| 3 | Electrodeposited thin FeCo films with highly thermal stable properties in high frequency range obtained by annealing in a strong magnetic field. Journal of Applied Physics, 2016, 120, 065306. | 2.5 | 6 |
| 4 | Size-dependent microwave absorption properties of Fe ₃ O ₄ nanodiscs. RSC Advances, 2016, 6, 25444-25448. | 3.6 | 50 |
| 5 | Quick fabrication of appropriate morphology and composition CoFe films with desirable microwave properties. International Journal of Materials Research, 2015, 106, 1077-1085. | 0.3 | 1 |
| 6 | Tailoring Diverse Microwave Properties of High Magnetic Moment FeCo Nanofilms through Different Atom Arrangements. ChemElectroChem, 2015, 2, 1760-1767. | 3.4 | 5 |
| 7 | Growth Method to Improve the Resonant Frequency and Magnetic Permeability of FeCo Thin Films. IEEE Magnetics Letters, 2015, 6, 1-4. | 1.1 | 3 |
| 8 | Synthesis and multi-applications of conductive magnetic stable polypyrrole dispersion with phase-convertible characteristics. Materials Chemistry and Physics, 2015, 149-150, 156-163. | 4.0 | 4 |
| 9 | Polypyrrole: FeO _x -ZnO nanoparticle solar cells with breakthrough open-circuit voltage prepared from relatively stable liquid dispersions. RSC Advances, 2014, 4, 58608-58614. | 3.6 | 5 |
| 10 | Large magnetic permeability and resonant frequency of CoFe nanofilms electrodeposited via optimizing plating solution parameters based on electrochemistry mechanisms. Materials Research Society Symposia Proceedings, 2014, 1708, 7. | 0.1 | 1 |
| 11 | Investigation of magnetic proximity effect in Ta/YIG bilayer Hall bar structure. Journal of Applied Physics, 2014, 115, 17C509. | 2.5 | 32 |
| 12 | Microstructure and Magnetic Anisotropy of Electro-Deposited FeCo Thin Films. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 2.1 | 5 |
| 13 | Micromagnetic Investigation of Microwave Permeability of Magnetic Artificial Spin Ice. Materials Sciences and Applications, 2014, 05, 991-995. | 0.4 | 1 |
| 14 | Gap Layer Effect on Performances of Differential Dual Spin Valve. IEEE Transactions on Magnetics, 2013, 49, 3714-3717. | 2.1 | 0 |
| 15 | Methotrexate-conjugated and hyperbranched polyglycerol-grafted Fe ₃ O ₄ magnetic nanoparticles for targeted anticancer effects. European Journal of Pharmaceutical Sciences, 2013, 48, 111-120. | 4.0 | 61 |
| 16 | Fabrication of ultrahigh density metalâ€‘cellâ€‘metal crossbar memory devices with only two cycles of lithography and dry-etch procedures. Nanotechnology, 2013, 24, 245303. | 2.6 | 3 |
| 17 | A simple approach to sub-100 nm resist nanopatterns with a high aspect ratio. Journal of Micromechanics and Microengineering, 2013, 23, 035038. | 2.6 | 6 |
| 18 | Relation Between Plating Current Density and Microwave Properties of Thin Magnetic Film. , 2013, , 2147-2155. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Changing pollutants to green biogases for the crop food cycle chain. Environmental Science and Pollution Research, 2012, 19, 3450-3460. | 5.3 | 2 |
| 20 | Individual bit island reversal and switching field distribution in perpendicular magnetic bit patterned media. Journal of Magnetism and Magnetic Materials, 2012, 324, 264-268. | 2.3 | 8 |
| 21 | Electrodeposition of granular FeCoNi films with large permeability for microwave applications. Journal of Materials Chemistry, 2011, 21, 16042. | 6.7 | 27 |
| 22 | Development of current perpendicular to plane differential dual spin valve for ultrahigh resolution. Journal of Applied Physics, 2011, 109, 07B707. | 2.5 | 3 |
| 23 | Switching Probability Distribution of Bit Islands in Bit Patterned Media. IEEE Transactions on Magnetics, 2010, 46, 1990-1993. | 2.1 | 9 |
| 24 | Tuning exchange coupling by replacing CoFe with amorphous CoFeB in the CoFe/Ru/CoFe synthetic antiferromagnetic structure. Solid State Communications, 2010, 150, 45-48. | 1.9 | 5 |
| 25 | Magnetic field dependence of low frequency noise in tunnel magnetoresistance heads. Journal of Applied Physics, 2010, 107, 09C706. | 2.5 | 9 |
| 26 | The influence of oxygen on structure and magnetic properties of full Heusler Co ₂ MnAl films and magnetic tunnel junctions. Journal of Applied Physics, 2009, 105, 07C932. | 2.5 | 1 |
| 27 | Magnetic force microscopy and spinstand testing of multi-row-per-track discrete bit patterned media fabricated by focused ion beam. Journal of Applied Physics, 2009, 105, 07C105. | 2.5 | 3 |
| 28 | Hairy Hybrid Nanoparticles of Magnetic Core, Fluorescent Silica Shell, and Functional Polymer Brushes. Macromolecules, 2009, 42, 8561-8565. | 4.8 | 46 |
| 29 | A General Approach to Semimetallic, Ultra-High-Resolution, Electron-Beam Resists. Advanced Functional Materials, 2009, 19, 1437-1443. | 14.9 | 7 |
| 30 | Hard Bias Effect on Magnetic Noise in Different Types of Tunnel Magnetoresistive Heads. IEEE Transactions on Magnetics, 2008, 44, 3597-3600. | 2.1 | 3 |
| 31 | Exchange bias and magnetotransport properties in IrMn/NiFe/FeMn structures. Physical Review B, 2008, 78, . | 3.2 | 11 |
| 32 | Ultrasoft and High Magnetic Moment CoFe Films Directly Electrodeposited from a B-Reducer Contained Solution. Research Letters in Physical Chemistry, 2008, 2008, 1-4. | 0.3 | 5 |
| 33 | A study of multirow-per-track bit patterned media by spinstand testing and magnetic force microscopy. Applied Physics Letters, 2008, 93, 102501. | 3.3 | 14 |
| 34 | Abnormal increase in ferromagnetic resonance amplitude just before the breakdown in tunnel magnetoresistive heads. Journal of Applied Physics, 2008, 103, . | 2.5 | 1 |
| 35 | Temperature Dependence of Thermally Activated Ferromagnetic Resonance in Tunneling Magnetoresistive Heads. IEEE Transactions on Magnetics, 2007, 43, 819-821. | 2.1 | 2 |
| 36 | Scalable Toggle Read Sensor. IEEE Transactions on Magnetics, 2007, 43, 657-662. | 2.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Magnetic Mesoporous Fluoropolymer Nanospheres from Plasma Processes and Adsorption of Surface-Functionalized Magnetic Nanoparticles. <i>Plasma Processes and Polymers</i> , 2007, 4, 390-397. | 3.0 | 0 |
| 38 | Ultrasoft and High Magnetic Moment NiFe Film Electrodeposited From a Cu^{2+} Contained Solution. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2775-2777. | 2.1 | 5 |
| 39 | Immobilization of Functional Oxide Nanoparticles on Silicon Surfaces via Si-C Bonded Polymer Brushes. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1458-1463. | 0.9 | 4 |
| 40 | The influence of nano-oxide layer on magnetostriction of sensing layer in bottom spin valves. <i>Journal of Applied Physics</i> , 2006, 99, 094304. | 2.5 | 4 |
| 41 | High density Flash-like cross-point MRAM. , 2006, , . | | 0 |
| 42 | Synthesis of Iron Oxide Nanostructures by Annealing Electrodeposited Fe-Based Films. <i>Chemistry of Materials</i> , 2005, 17, 1515-1520. | 6.7 | 34 |
| 43 | Nanoporous Low-Dielectric Constant Polyimide Films via Poly(amic acid)s with RAFT-Graft Copolymerized Methyl Methacrylate Side Chains. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 6723-6730. | 3.7 | 52 |
| 44 | Carbon nanowalls and related materials. <i>Journal of Materials Chemistry</i> , 2004, 14, 469. | 6.7 | 275 |
| 45 | Angular dependence of the coercivity and remanence of ferromagnetic nanowire arrays. <i>Journal of Applied Physics</i> , 2003, 93, 9202-9207. | 2.5 | 164 |
| 46 | Electrochemical Synthesis and Characterization of Magnetic Nanoparticles on Carbon Nanowall Templates. <i>Nano Letters</i> , 2002, 2, 751-754. | 9.1 | 73 |
| 47 | Magnetic properties of magnetic nanowire arrays. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 2562-2564. | 2.1 | 39 |
| 48 | Fabrication of a Class of Nanostructured Materials Using Carbon Nanowalls as the Templates. <i>Advanced Functional Materials</i> , 2002, 12, 489. | 14.9 | 76 |