Van-Su Luong

List of Publications by Citations

23 papers	172 citations	8 h-index	12 g-index
28 ext. papers	211 ext. citations	2.4 avg, IF	3.11 L-index

#	Paper	IF	Citations
23	Tri-axis magnetometer with in-plane giant magnetoresistance sensors for compass application. *Journal of Applied Physics*, **2015**, 117, 17A321	2.5	24
22	Low-noise tunneling-magnetoresistance vector magnetometers with flux chopping technique. *Measurement: Journal of the International Measurement Confederation*, **2017**, 109, 297-303	4.6	17
21	Design of 3-D Magnetic Field Sensor With Single Bridge of Spin-Valve Giant Magnetoresistance Films. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	17
20	Planarization, Fabrication, and Characterization of Three-Dimensional Magnetic Field Sensors. *IEEE Nanotechnology Magazine*, **2018**, 17, 11-25	2.6	17
19	Reduction of Low-Frequency Noise in Tunneling-Magnetoresistance Sensors With a Modulated Magnetic Shielding. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	16
18	Exchange biased spin valve-based gating flux sensor. *Measurement: Journal of the International Measurement Confederation*, **2018**, 115, 173-177	4.6	13
17	Resolution enhancement in measuring low-frequency magnetic field of tunnel magnetoresistance sensors with AC-bias polarity technique. *Measurement: Journal of the International Measurement Confederation*, **2018**, 127, 512-517	4.6	11
16	A novel CMOS transducer for giant magnetoresistance sensors. *Review of Scientific Instruments*, **2017**, 88, 025004	1.7	8
15	Miniature Tri-Axis Magnetometer With In-Plane GMR Sensors. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	8
14	A novel secure communications scheme based on chaotic modulation, recursive encryption and chaotic masking. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 1873-1884	6.1	8
13	Magnetoresistive performances in exchange-biased spin valves and their roles in low-field magnetic sensing applications. *Journal of Science: Advanced Materials and Devices*, **2018**, 3, 399-405	4.2	8
12	Tunneling-Magnetoresistance Vector Magnetometer With Deflection Flux-Chopper. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	7
11	Antiparallel-Pinned Spin Valves With Modified Artificial Antiferromagnetic Layer for Full-Bridge Magnetic Sensors. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	4
10	Auto-Detection of Hidden Corrosion in an Aircraft Structure by Electromagnetic Testing: A Machine-Learning Approach. *Applied Sciences (Switzerland)*, **2022**, 12, 5175	2.6	3
9	Design of three-dimensional magnetic field sensor with single bridge of spin-valve giant magnetoresistance films **2015**,		2
8	Development of low-noise three-axis magnetometer with tunneling-magnetoresistance sensors **2015**,		2
7	Enhanced Soft Magnetic Properties of [NiFe/Ta]n Laminated Films for Flux Amplification in Magnetic Sensors. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2	2

6	APPLICATION OF THE FLUX BENDING EFFECT IN AN ACTIVE FLUX-GUIDE FOR LOW-NOISE PLANAR VECTOR TMR MAGNETIC SENSORS. *Science and Technology*, **2018**, 56, 714	1.5	2
5	Linearization of Patterned Pinning Spin Valve Devices for Low-Field Applications. *Journal of Electronic Materials*, **2020**, 49, 6061-6067	1.9	2
4	High-Resolution Pinning GMR Sensors for Extremely Low Frequencies Powered by a Simple Alternating CurrentBiased Scheme. *Journal of Superconductivity and Novel Magnetism*, **2021**, 34, 339-345	1.5	0
3	Electromagnetic Testing of Moisture Separation Reheater Tube based on Multivariate Singular Spectral Analysis. *Applied Sciences (Switzerland)*, **2020**, 10, 3954	2.6	
2	Inverse MR and Dual-AMR Phenomena in Co/CoO/Ag/Co Sandwiches. *Journal of the Korean Physical Society*, **2018**, 72, 786-794	0.6	
1	The Use of Magnetic Orientation as a Pinning Modality for Investigation of Photon-Magnon Interactions in Magnetic Nanoparticle Systems. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 4276-4281	1.3	