

Van-Su Luong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Auto-Detection of Hidden Corrosion in an Aircraft Structure by Electromagnetic Testing: A Machine-Learning Approach. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5175	2.6	3
22	High-Resolution Pinning GMR Sensors for Extremely Low Frequencies Powered by a Simple Alternating Current Biased Scheme. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 339-345 ^{1.5}	0	
21	A novel secure communications scheme based on chaotic modulation, recursive encryption and chaotic masking. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1873-1884	6.1	8
20	Electromagnetic Testing of Moisture Separation Reheater Tube based on Multivariate Singular Spectral Analysis. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3954	2.6	
19	Linearization of Patterned Pinning Spin Valve Devices for Low-Field Applications. <i>Journal of Electronic Materials</i> , 2020 , 49, 6061-6067	1.9	2
18	Exchange biased spin valve-based gating flux sensor. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 115, 173-177	4.6	13
17	Planarization, Fabrication, and Characterization of Three-Dimensional Magnetic Field Sensors. <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 11-25	2.6	17
16	Enhanced Soft Magnetic Properties of [NiFe/Ta] _n Laminated Films for Flux Amplification in Magnetic Sensors. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-4	2	2
15	Antiparallel-Pinned Spin Valves With Modified Artificial Antiferromagnetic Layer for Full-Bridge Magnetic Sensors. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	4
14	Inverse MR and Dual-AMR Phenomena in Co/CoO/Ag/Co Sandwiches. <i>Journal of the Korean Physical Society</i> , 2018 , 72, 786-794	0.6	
13	APPLICATION OF THE FLUX BENDING EFFECT IN AN ACTIVE FLUX-GUIDE FOR LOW-NOISE PLANAR VECTOR TMR MAGNETIC SENSORS. <i>Science and Technology</i> , 2018 , 56, 714	1.5	2
12	The Use of Magnetic Orientation as a Pinning Modality for Investigation of Photon-Magnon Interactions in Magnetic Nanoparticle Systems. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4276-4281	1.3	
11	Magnetoresistive performances in exchange-biased spin valves and their roles in low-field magnetic sensing applications. <i>Journal of Science: Advanced Materials and Devices</i> , 2018 , 3, 399-405	4.2	8
10	Resolution enhancement in measuring low-frequency magnetic field of tunnel magnetoresistance sensors with AC-bias polarity technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 127, 512-517	4.6	11
9	A novel CMOS transducer for giant magnetoresistance sensors. <i>Review of Scientific Instruments</i> , 2017 , 88, 025004	1.7	8
8	Low-noise tunneling-magnetoresistance vector magnetometers with flux chopping technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017 , 109, 297-303	4.6	17
7	Miniature Tri-Axis Magnetometer With In-Plane GMR Sensors. <i>IEEE Transactions on Magnetics</i> , 2017 , 53, 1-4	2	8

LIST OF PUBLICATIONS

6	Tunneling-Magnetoresistance Vector Magnetometer With Deflection Flux-Chopper. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	7
5	Tri-axis magnetometer with in-plane giant magnetoresistance sensors for compass application. <i>Journal of Applied Physics</i> , 2015 , 117, 17A321	2.5	24
4	Design of three-dimensional magnetic field sensor with single bridge of spin-valve giant magnetoresistance films 2015 ,	2	
3	Development of low-noise three-axis magnetometer with tunneling-magnetoresistance sensors 2015 ,	2	
2	Design of 3-D Magnetic Field Sensor With Single Bridge of Spin-Valve Giant Magnetoresistance Films. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	17
1	Reduction of Low-Frequency Noise in Tunneling-Magnetoresistance Sensors With a Modulated Magnetic Shielding. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	16