Van Tuong Pham

List of Publications by Year in Descending Order

40 papers	915 citations	15 h-index	30 g-index
42 ext. papers	1,117 ext. citations	4.1 avg, IF	3.8 L-index

#	Paper	IF	Citations
40	Imprint from ferromagnetic skyrmions in an antiferromagnet via exchange bias. *Applied Physics Letters*, **2021**, 119, 192407	3.4	0
39	Helium Ions Put Magnetic Skyrmions on the Track. *Nano Letters*, **2021**, 21, 2989-2996	11.5	22
38	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnet□Heavy-Metal Nanostructures. *Physical Review Applied*, **2021**, 15,	4.3	1
37	Evidence of interfacial asymmetric spin scattering at ferromagnet-Pt interfaces. *Physical Review B*, **2021**, 103,	3.3	1
36	Measurement of the Spin Absorption Anisotropy in Lateral Spin Valves. *Physical Review Letters*, **2021**, 126, 027201	7.4	2
35	Spin□rbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. *Nature Electronics*, **2020**, 3, 309-315	28.4	18
34	Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. *Applied Physics Letters*, **2020**, 117, 142405	3.4	3
33	Cross-shaped nanostructures for the study of spin to charge inter-conversion using spin-orbit coupling in non-magnetic materials. *Applied Physics Letters*, **2019**, 114, 222401	3.4	4
32	Spin-dependent transport characterization in metallic lateral spin valves using one-dimensional and three-dimensional modeling. *Physical Review B*, **2019**, 99,	3.3	2
31	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe at Room Temperature. *Nano Letters*, **2019**, 19, 8758-8766	11.5	42
30	Experimental demonstration of integrated magneto-electric and spin-orbit building blocks implementing energy-efficient logic **2019**,		3
29	Observation of the Hanle effect in giant magnetoresistance measurements. *Applied Physics Letters*, **2018**, 112, 232405	3.4	5
28	Spin diffusion length and polarization of ferromagnetic metals measured by the spin-absorption technique in lateral spin valves. *Physical Review B*, **2018**, 98,	3.3	26
27	Magnetic properties of perpendicularly magnetized [Au/Co/Pd]n thin films and nanostructures with Dzyaloshinskii-Moriya interaction. *AIP Advances*, **2018**, 8, 095315	1.5	0
26	Large enhancement of the spin Hall effect in Au by side-jump scattering on Ta impurities. *Physical Review B*, **2017**, 96,	3.3	44
25	Giant magnetoresistance in lateral metallic nanostructures for spintronic applications. *Scientific Reports*, **2017**, 7, 9553	4.9	10
24	Ferromagnetic/Nonmagnetic Nanostructures for the Electrical Measurement of the Spin Hall Effect. *Nano Letters*, **2016**, 16, 6755-6760	11.5	27

23	Introduction and pinning of domain walls in 50nm NiFe constrictions using local and external magnetic fields. *Journal of Magnetism and Magnetic Materials*, **2016**, 406, 166-170	2.8	6
22	Using domain walls to perform non-local measurements with high spin signal amplitudes. *Applied Physics Letters*, **2016**, 109, 042405	3.4	3
21	Electrical detection of magnetic domain walls by inverse and direct spin Hall effect. *Applied Physics Letters*, **2016**, 109, 192401	3.4	4
20	Resonance-based metamaterial in the shallow sub-wavelength regime: negative refractive index and nearly perfect absorption. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2016**, 7, 045002	1.6	2
19	Perfect and broad absorption by the active control of electric resonance in metamaterial. *Journal of Optics (United Kingdom)*, **2015**, 17, 045105	1.7	22
18	Multi-plasmon-induced perfect absorption at the third resonance in metamaterials. *Journal of Optics (United Kingdom)*, **2015**, 17, 125101	1.7	9
17	Au□Ag bimetallic nanodendrite synthesized via simultaneous co-electrodeposition and its application as a SERS substrate. *RSC Advances*, **2014**, 4, 3929-3933	3.7	19
16	Dual-absorption metamaterial controlled by electromagnetic polarization. *Journal of the Optical Society of America B: Optical Physics*, **2014**, 31, 2744	1.7	14
15	Broadband reflection of polarization conversion by 90□in metamaterial. *Journal of the Korean Physical Society*, **2014**, 64, 1116-1119	0.6	7
14	Perfect absorber metamaterials: Peak, multi-peak and broadband absorption. *Optics Communications*, **2014**, 322, 209-213	2	90
13	THz-metamaterial absorbers. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2013**, 4, 015001	1.6	25
12	Symmetric metamaterials based on flower-shaped structure. *Materials Chemistry and Physics*, **2013**, 141, 535-539	4.4	5
11	Perfect-absorber metamaterial based on flower-shaped structure. *Photonics and Nanostructures - Fundamentals and Applications*, **2013**, 11, 89-94	2.6	21
10	Polarization-controlling dual-band absorption metamaterial. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2013**, 4, 035009	1.6	3
9	Polarization-insensitive and polarization-controlled dual-band absorption in metamaterials. *Applied Physics Letters*, **2013**, 102, 081122	3.4	83
8	Dielectric and Ohmic losses in perfectly absorbingmetamaterials. *Optics Communications*, **2013**, 295, 17-20	2	28
7	Polarization-independent dual-band perfect absorber utilizing multiple magnetic resonances. *Optics Express*, **2013**, 21, 32484-90	3.3	73
6	Multi-band metamaterial absorber based on the arrangement of donut-type resonators. *Optics Express*, **2013**, 21, 9691-702	3.3	236

5	An application of metamaterials: Perfect absorbers. *Journal of the Korean Physical Society*, **2012**, 60, 1203-1206	3.6	13
4	Negative Refractive Index at the Third-Order Resonance of Flower-Shaped Metamaterial. *Journal of Lightwave Technology*, **2012**, 30, 3451-3455	4	15
3	Simplified perfect absorber structure. *Computational Materials Science*, **2012**, 61, 243-247	3.2	14
2	Magnetic resonance of a highly symmetric metamaterial at microwave frequency. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 858-861	1.3	9
1	The electromagnetic response of different metamaterial structures. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, **2010**, 1, 045016	1.6	4