Van Tuong Pham

List of Publications by Year
in descending order

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42 papers	1,290 citations	471061 17 h-index	360668 35 g-index
42 all docs	42 docs citations	42 times ranked	1522 citing authors

#	Article	IF	Citations
1	Multi-band metamaterial absorber based on the arrangement of donut-type resonators. Optics Express, 2013, 21, 9691.	1.7	301
2	Perfect absorber metamaterials: Peak, multi-peak and broadband absorption. Optics Communications, 2014, 322, 209-213.	1.0	110
3	Polarization-insensitive and polarization-controlled dual-band absorption in metamaterials. Applied Physics Letters, 2013, 102, .	1.5	92
4	Polarization-independent dual-band perfect absorber utilizing multiple magnetic resonances. Optics Express, 2013, 21, 32484.	1.7	84
5	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe₂ at Room Temperature. Nano Letters, 2019, 19, 8758-8766.	4.5	81
6	Helium Ions Put Magnetic Skyrmions on the Track. Nano Letters, 2021, 21, 2989-2996.	4.5	79
7	Large enhancement of the spin Hall effect in Au by side-jump scattering on Ta impurities. Physical Review B, 2017, 96, .	1.1	61
8	Spinâ€“orbit magnetic state readout in scaled ferromagnetic/heavy metal nanostructures. Nature Electronics, 2020, 3, 309-315.	13.1	45
9	Spin diffusion length and polarization of ferromagnetic metals measured by the spin-absorption technique in lateral spin valves. Physical Review B, 2018, 98, .	1.1	36
10	Ferromagnetic/Nonmagnetic Nanostructures for the Electrical Measurement of the Spin Hall Effect. Nano Letters, 2016, 16, 6755-6760.	4.5	35
11	Dielectric and Ohmic losses in perfectly absorbingmetamaterials. Optics Communications, 2013, 295, 17-20.	1.0	33
12	Perfect-absorber metamaterial based on flower-shaped structure. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 89-94.	1.0	29
13	THz-metamaterial absorbers. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 015001.	0.7	26
14	Perfect and broad absorption by the active control of electric resonance in metamaterial. Journal of Optics (United Kingdom), 2015, 17, 045105.	1.0	23
15	Auâ€“Ag bimetallic nanodendrite synthesized via simultaneous co-electrodeposition and its application as a SERS substrate. RSC Advances, 2014, 4, 3929-3933.	1.7	22
16	Dual-absorption metamaterial controlled by electromagnetic polarization. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2744.	0.9	19
17	An application of metamaterials: Perfect absorbers. Journal of the Korean Physical Society, 2012, 60, 1203-1206.	0.3	18
18	Negative Refractive Index at the Third-Order Resonance of Flower-Shaped Metamaterial. Journal of Lightwave Technology, 2012, 30, 3451-3455.	2.7	17

#	Article	IF	Citations
19	Disentangling Spin, Anomalous, and Planar Hall Effects in Ferromagnetâ€“Heavy-Metal Nanostructures. Physical Review Applied, 2021, 15, .	1.5	16
20	Simplified perfect absorber structure. Computational Materials Science, 2012, 61, 243-247.	1.4	15
21	Multi-plasmon-induced perfect absorption at the third resonance in metamaterials. Journal of Optics (United Kingdom), 2015, 17, 125101.	1.0	12
22	Quantification of interfacial spin-charge conversion in hybrid devices with a metal/insulator interface. Applied Physics Letters, 2020, 117, .	1.5	12
23	Symmetric metamaterials based on flower-shaped structure. Materials Chemistry and Physics, 2013, 141, 535-539.	2.0	11
24	Giant magnetoresistance in lateral metallic nanostructures for spintronic applications. Scientific Reports, 2017, 7, 9553.	1.6	11
25	Magnetic resonance of a highly symmetric metamaterial at microwave frequency. Physica Status Solidi (B): Basic Research, 2012, 249, 858-861.	0.7	10
26	Evidence of interfacial asymmetric spin scattering at ferromagnet-Pt interfaces. Physical Review B, 2021, 103, .	1.1	9
27	Large spin-charge interconversion induced by interfacial spin-orbit coupling in a highly conducting all-metallic system. Physical Review B, 2021, 104, .	1.1	9
28	Broadband reflection of polarization conversion by 90Â° in metamaterial. Journal of the Korean Physical Society, 2014, 64, 1116-1119.	0.3	8
29	Experimental demonstration of integrated magneto-electric and spin-orbit building blocks implementing energy-efficient logic. , 2019, , .		8
30	Spin-dependent transport characterization in metallic lateral spin valves using one-dimensional and three-dimensional modeling. Physical Review B, 2019, 99, .	1.1	7
31	The electromagnetic response of different metamaterial structures. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 045016.	0.7	6
32	Electrical detection of magnetic domain walls by inverse and direct spin Hall effect. Applied Physics Letters, 2016, 109, 192401.	1.5	6
33	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.	1.0	6
34	Observation of the Hanle effect in giant magnetoresistance measurements. Applied Physics Letters, 2018, 112, .	1.5	6
35	Measurement of the Spin Absorption Anisotropy in Lateral Spin Valves. Physical Review Letters, 2021, 126, 027201.	2.9	6
36	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.	1.5	5

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37	Imprint from ferromagnetic skyrmions in an antiferromagnet via exchange bias. Applied Physics Letters, 2021, 119, 192407.	1.5	4
38	Polarization-controlling dual-band absorption metamaterial. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 035009.	0.7	3
39	Using domain walls to perform non-local measurements with high spin signal amplitudes. Applied Physics Letters, 2016, 109, 042405.	1.5	3
40	Functional Demonstration of a Fully Integrated Magneto-Electric Spin-Orbit Device. , 2021, , .		3
41	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.	0.7	2
42	Magnetic properties of perpendicularly magnetized [Au/Co/Pd]n thin films and nanostructures with Dzyaloshinskii-Moriya interaction. AIP Advances, 2018, 8, 095315.	0.6	1