

Le Duc Anh

List of Publications by Year in descending order

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papers

928
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471371

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57
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature ferromagnetism in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. Applied Physics Letters, 2016, 108, .	1.5	94
2	Growth and characterization of n-type electron-induced ferromagnetic semiconductor (In,Fe)As. Applied Physics Letters, 2012, 101, .	1.5	78
3	Magnetic properties and intrinsic ferromagnetism in $\text{Ga}_{1-x}\text{In}_x\text{Sb}$ semiconductors. Physical Review B, 2015, 92, .		
4	Electron effective mass in n-type electron-induced ferromagnetic semiconductor (In,Fe)As: Evidence of conduction band transport. Applied Physics Letters, 2012, 101, .	1.5	51
5	(Ga,Fe)Sb: A p-type ferromagnetic semiconductor. Applied Physics Letters, 2014, 105, .	1.5	43
6	Crystalline anisotropic magnetoresistance with two-fold and eight-fold symmetry in (In,Fe)As ferromagnetic semiconductor. Applied Physics Letters, 2012, 100, .	1.5	42
7	Observation of spontaneous spin-splitting in the band structure of an n-type zinc-blende ferromagnetic semiconductor. Nature Communications, 2016, 7, 13810.	5.8	40
8	Modulation of ferromagnetism in $\text{In}_{1-x}\text{Ga}_x\text{Sb}$ wells via electrically controlled deformation of the electron wave functions. Physical Review B, 2015, 92, .	1.1	37
9	High-temperature ferromagnetism in new n-type Fe-doped ferromagnetic semiconductor (In,Fe)Sb. Applied Physics Express, 2018, 11, 063005.	1.1	37
10	Giant gate-controlled proximity magnetoresistance in semiconductor-based ferromagnetic/non-magnetic bilayers. Nature Physics, 2019, 15, 1134-1139.	6.5	35
11	Growth and characterization of insulating ferromagnetic semiconductor (Al,Fe)Sb. Applied Physics Letters, 2015, 107, 232405.	1.5	34
12	Electrical control of ferromagnetism in the n-type ferromagnetic semiconductor (In,Fe)Sb with high Curie temperature. Applied Physics Letters, 2018, 112, .	1.5	32
13	Ferromagnetic resonance and control of magnetic anisotropy by epitaxial strain in the ferromagnetic semiconductor $\text{Ga}_{1-x}\text{In}_x\text{Sb}$		

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19	Electronic structure of the high- T_C ferromagnetic semiconductor (Ga,Fe)Sb: X-ray magnetic circular dichroism and resonance photoemission spectroscopy studies. Physical Review B, 2020, 101, .	1.1	16
20	Hybridization between the ligand p band and d orbitals in the p-type ferromagnetic semiconductor (Ga,Fe)Sb. Physical Review B, 2020, 101, .	1.1	16
21	In-plane to perpendicular magnetic anisotropy switching in heavily-Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb with high Curie temperature. Physical Review Materials, 2019, 3, .	0.9	15
22	Interplay between strain, quantum confinement, and ferromagnetism in strained ferromagnetic semiconductor (In,Fe)As thin films. Applied Physics Letters, 2014, 104, .	1.5	14
23	Reduction of the magnetic dead layer and observation of tunneling magnetoresistance in La _{0.67} Sr _{0.33} MnO ₃ -based heterostructures with a LaMnO ₃ layer. Applied Physics Letters, 2017, 110, .	1.5	12
24	Magneto-optical spectra and the presence of an impurity band in p -type ferromagnetic semiconductor (Ga,Fe)Sb with high Curie temperature. APL Materials, 2019, 7, .	2.2	12
25	Elemental Topological Dirac Semimetal $\pm\hbar v_F$ with High Quantum Mobility. Advanced Materials, 2021, 33, e2104645.	11.1	12
26	Evidence for Spin-Triplet Electron Pairing in the Proximity-Induced Superconducting State of an Fe-Doped InAs Semiconductor. Physical Review Letters, 2019, 122, 107001.	2.9	11
27	Observation of the inverse spin Hall effect in the topological crystalline insulator SnTe using spin pumping. Physical Review B, 2017, 96, .	1.1	10
28	Minority-spin impurity band in n -type (In,Fe)As: A materials perspective for ferromagnetic semiconductors. Physical Review B, 2021, 103, .	1.1	9
29	Evolution of Fe impurity band state as the origin of high Curie temperature in the p -type ferromagnetic semiconductor (Ga,Fe)Sb. Physical Review B, 2020, 102, .	1.1	8
30	Hidden peculiar magnetic anisotropy at the interface in a ferromagnetic perovskite-oxide heterostructure. Scientific Reports, 2017, 7, 8715.	1.6	6
31	Electrical tuning of the band alignment and magnetoconductance in an n-type ferromagnetic semiconductor (In,Fe)As-based spin-Esaki diode. Applied Physics Letters, 2018, 112, .	1.5	6
32	Temperature dependence of magnetic anisotropy in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. Journal of Applied Physics, 2020, 127, 023904.	1.1	6
33	Enhancement of the Spin Hall Angle by Interdiffusion of Atoms in $\text{Co}_2\text{Fe}^{\text{Mn}}$. Applied Physics Letters, 2020, 114, .	1.1	5
34	Magnetization process of the insulating ferromagnetic semiconductor (Al,Fe)Sb. Physical Review B, 2020, 101, .	1.1	5
35	Ferromagnetism and giant magnetoresistance in zinc-blende FeAs monolayers embedded in semiconductor structures. Nature Communications, 2021, 12, 4201.	5.8	5
36	Proximity-Induced Superconductivity in a Ferromagnetic Semiconductor (In,Fe)As. Journal of Physics: Conference Series, 2018, 969, 012036.	0.3	4

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37	Magnetic interactions and spin-wave stiffness constant of In-substituted yttrium iron garnets. Journal of Science: Advanced Materials and Devices, 2020, 5, 270-277.	1.5	4
38	Alternation of Magnetic Anisotropy Accompanied by Metal-Insulator Transition in Strained Ultrathin Manganite Heterostructures. Physical Review Applied, 2021, 15, .	1.5	4
39	Epitaxial growth and characterization of n-type magnetic semiconductor (In,Co)As. Japanese Journal of Applied Physics, 2014, 53, 04EM05.	0.8	3
40	Ultralow-Power Orbital-Controlled Magnetization Switching Using a Ferromagnetic Oxide Interface. Physical Review Applied, 2019, 12, .	1.5	3
41	Observation of quantum size effect at the conduction band bottom of n-type ferromagnetic semiconductor (In,Fe)As thin films. Applied Physics Express, 2019, 12, 073001.	1.1	3
42	Spin transport in fully ferromagnetic p-n junctions. Journal of Applied Physics, 2022, 131, 013902.	1.1	3
43	Theoretical analysis of the inverse Edelstein effect at the LaAlO ₃ /SrTiO ₃ interface with an effective tight-binding model: important role of the second d _{xy} subband. Applied Physics Express, 2022, 15, 013005.	1.1	3
44	Visible-light emission at room temperature in Mn-doped Si light-emitting diodes. Physical Review B, 2016, 93, .	1.1	2
45	Growth and characterization of ferromagnetic Fe-doped GaSb quantum dots with high Curie temperature. APL Materials, 2020, 8, 091107.	2.2	2
46	Current-in-plane spin-valve magnetoresistance in ferromagnetic semiconductor (Ga,Fe)Sb heterostructures with high Curie temperature. Applied Physics Letters, 2020, 117, .	1.5	2
47	Spin-orbit torque magnetization switching in a perpendicularly magnetized full Heusler alloy Co ₂ FeSi. AIP Advances, 2021, 11, .	0.6	1
48	Growth and characterization of quaternary-alloy ferromagnetic semiconductor (In,Ga,Fe)Sb. AIP Advances, 2022, 12, 015307.	0.6	1
49	Elemental Topological Dirac Semimetal InSn with High Quantum Mobility (Adv. Mater. 51/2021). Advanced Materials, 2021, 33, .	11.1	1
50	Development of magnetism in Fe-doped magnetic semiconductors: Resonant photoemission and x-ray magnetic circular dichroism studies of (Ga,Fe)As. Physical Review B, 2022, 105, .	1.1	1
51	High-temperature ferromagnetism in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. , 2016, , .		0
52	Room-temperature perpendicular magnetic anisotropy of Pt/Co/AlO _x trilayers on SrTiO ₃ (001). AIP Advances, 2020, 10, 105010.	0.6	0
53	Ferromagnetic Fe-doped InAs quantum dots with high Curie temperature. Applied Physics Express, 2021, 14, 083002.	1.1	0
54	Transport and magnetic properties of co-doped ferromagnetic semiconductor (In,Fe,Mn)As. Applied Physics Express, 2020, 13, 083005.	1.1	0

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55	Unconventional bias dependence of tunnel magnetoresistance induced by the Coulomb blockade effect. AIP Advances, 2021, 11, 125029.	0.6	0
56	Gate-controlled proximity magnetoresistance in $\text{In}_{1-x}\text{Mn}_x\text{As}$ bilayers. Physical Review B, 2022, 105, .		