

Pk Johnny Wong

List of Publications by Year in descending order

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74
papers

1,621
citations

304368

22
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329751

37
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75
all docs

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docs citations

75
times ranked

2172
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable Gilbert Damping in Py/Cu/Fe/Co	1.5	2
2	Electronic Tuning in WSe ₂ /Au via van der Waals Interface Twisting and Intercalation. ACS Nano, 2022, 16, 6541-6551.	7.3	17
3	Vacancy-engineered half-metallicity and magnetic anisotropy in CrSi semiconductor monolayer. Journal of Alloys and Compounds, 2022, 909, 164797.	2.8	63
4	First-principles prediction of the half-metallicity in quaternary Heusler CoRhCrAl thin films. Physica Scripta, 2022, 97, 075812.	1.2	1
5	Effective tuning of spin mixing conductance at the Py/Cu/Nd interface. Applied Physics Letters, 2022, 120, .	1.5	4
6	Nanopore-Patterned CuSe Drives the Realization of the PbSe/CuSe Lateral Heterostructure. ACS Applied Materials & Interfaces, 2022, 14, 32738-32746.	4.0	6
7	Strain-Controlled Spin Wave Excitation and Gilbert Damping in Flexible Co ₂ FeSi Films Activated by Femtosecond Laser Pulse. Advanced Functional Materials, 2021, 31, 2007211.	7.8	10
8	Promoting a Weak Coupling of Monolayer MoSe ₂ Grown on (100)-Faceted Au Foil. ACS Nano, 2021, 15, 4481-4489.	7.3	16
9	Strain-Mediated Spin-Orbit Torque Enhancement in Pt/Co on Flexible Substrate. ACS Nano, 2021, 15, 8319-8327.	7.3	12
10	Preparation of sputtered Fe ₃ O ₄ thin film. Journal of Materials Science: Materials in Electronics, 2021, 32, 23645-23653.	1.1	3
11	Integrating spin-based technologies with atomically controlled van der Waals interfaces. Materials Today, 2021, 51, 350-364.	8.3	8
12	Bi-stable electronic states of cobalt phthalocyanine molecules on two-dimensional vanadium diselenide. Applied Materials Today, 2020, 18, 100535.	2.3	9
13	Molecular beam epitaxy fabrication of two-dimensional materials. , 2020, , 103-134.		4
14	Two-dimensional ferromagnetic superlattices. National Science Review, 2020, 7, 745-754.	4.6	39
15	Modulating Magnetism in Ferroelectric Polymer-Gated Perovskite Manganite Films with Moderate Gate Pulse Chains. ACS Applied Materials & Interfaces, 2020, 12, 56541-56548.	4.0	4
16	Molecular Beam Epitaxy of Two-Dimensional Vanadium-Molybdenum Diselenide Alloys. ACS Nano, 2020, 14, 11140-11149.	7.3	28
17	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. Advanced Materials, 2020, 32, e2000693.	11.1	87
18	Exchange Bias in van der Waals CrCl ₃ /Fe ₃ GeTe ₂ Heterostructures. Nano Letters, 2020, 20, 5030-5035.	4.5	78

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19	Core-shell hybrid zeolitic imidazolate framework-derived hierarchical carbon for capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14653-14660.	5.2	41
20	Growth and properties of magnetic two-dimensional transition-metal chalcogenides. , 2020, , 227-251.		3
21	Element-specific spin and orbital moments and perpendicular magnetic anisotropy in Ta/CoFeB/MgO structures. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	3
22	Hybrid spintronic materials: Growth, structure and properties. <i>Progress in Materials Science</i> , 2019, 99, 27-105.	16.0	55
23	Magnetic Transition in Monolayer VSe_2 via Interface Hybridization. <i>ACS Nano</i> , 2019, 13, 8997-9004.	7.3	94
24	Selective self-assembly of 2,3-diaminophenazine molecules on $MoSe_2$ mirror twin boundaries. <i>Nature Communications</i> , 2019, 10, 2847.	5.8	26
25	Van der Waals magnets: Wonder building blocks for two-dimensional spintronics?. <i>Informa-Materials</i> , 2019, 1, 479-495.	8.5	91
26	Metallic 1T Phase, $3d^{11}$ Electronic Configuration and Charge Density Wave Order in Molecular Beam Epitaxy Grown Monolayer Vanadium Diteelluride. <i>ACS Nano</i> , 2019, 13, 12894-12900.	7.3	48
27	Is Charge-Transfer Doping Possible at the Interfaces of Monolayer VSe_2 with MoO_3 and K?. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43789-43795.	4.0	3
28	Mechanical Strain Manipulation of Exchange Bias Field and Spin Dynamics in FeCo/IrMn Multilayers Grown on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8258-8265.	4.0	42
29	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	4.5	41
30	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	11.1	129
31	Ferromagnet/Two-Dimensional Semiconducting Transition-Metal Dichalcogenide Interface with Perpendicular Magnetic Anisotropy. <i>ACS Nano</i> , 2019, 13, 2253-2261.	7.3	31
32	Anomalously large ferromagnetic resonance linewidth in the Gd/Cr/Fe film plane. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 451, 480-486.	1.0	7
33	XMCD and XMCD-PEEM Studies on Magnetic-Field-Assisted Self-Assembled 1D Nanochains of Spherical Ferrite Particles. <i>Advanced Functional Materials</i> , 2017, 27, 1701265.	7.8	21
34	Enhancement of magnetic moment in $Zn_xFe_{3-x}O_4$ thin films with dilute Zn substitution. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	13
35	Spin-Dependent Transport in Fe/GaAs(100)/Fe Vertical Spin-Valves. <i>Scientific Reports</i> , 2016, 6, 29845.	1.6	12
36	Element specific spin and orbital moments of nanoscale CoFeB amorphous thin films on GaAs(100). <i>AIP Advances</i> , 2016, 6, 095011.	0.6	5

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37	Hybridization-induced charge rebalancing at the weakly interactive C60/Fe3O4(001) spinterface. Organic Electronics, 2016, 29, 39-43.	1.4	19
38	Investigation of Saturation Magnetization and Damping in Tb/Cr/Fe Trilayers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	2
39	The manipulation of magnetization damping in FeNi \hat{e} xNd \hat{e} Cu/FeCo \hat{e} yGdy sandwich structured multilayers. Journal of Applied Physics, 2015, 117, 17A716.	1.1	1
40	Selective Tuning of Gilbert Damping in Spin-Valve Trilayer by Insertion of Rare-Earth Nanolayers. ACS Applied Materials & Interfaces, 2015, 7, 17070-17075.	4.0	22
41	Micromagnetic Simulation on the Interelement Coupling of High-Density Patterned Film. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	1
42	One-dimensional zinc ferrite nano-chains synthesis by chemical self-assembly assistant by magnetic field. Journal of Applied Physics, 2014, 115, 17B524.	1.1	5
43	Spin and orbital moments of nanoscale Fe3O4 epitaxial thin film on MgO/GaAs(100). Applied Physics Letters, 2014, 104, .	1.5	39
44	The influence of Nd dopants on spin and orbital moments in Nd-doped permalloy thin films. Applied Physics Letters, 2014, 105, .	1.5	19
45	Magnetic anisotropies in epitaxial Fe3O4/GaAs(100) patterned structures. AIP Advances, 2014, 4, 107111.	0.6	4
46	Engineering Gilbert damping by dilute Gd doping in soft magnetic Fe thin films. Journal of Applied Physics, 2014, 115, 17A308.	1.1	14
47	Enhancement of magnetization damping coefficient of permalloy thin films with dilute Nd dopants. Physical Review B, 2014, 89, .	1.1	63
48	Magnetic Properties of bcc-Fe(001)/C ₆₀ Interfaces for Organic Spintronics. ACS Applied Materials & Interfaces, 2013, 5, 837-841.	4.0	39
49	Electronic and magnetic structure of C60/Fe3O4(001): a hybrid interface for organic spintronics. Journal of Materials Chemistry C, 2013, 1, 1197-1202.	2.7	34
50	Crystalline CoFeB/Graphite Interfaces for Carbon Spintronics Fabricated by Solid Phase Epitaxy. Advanced Functional Materials, 2013, 23, 4933-4940.	7.8	7
51	Highly ordered C60 films on epitaxial Fe/MgO(001) surfaces for organic spintronics. Organic Electronics, 2013, 14, 451-456.	1.4	13
52	Observation of current-driven oscillatory domain wall motion in Ni80Fe20/Co bilayer nanowire. Applied Physics Letters, 2013, 103, 042403.	1.5	7
53	Microscopic origin of the reduced magnetocrystalline anisotropy with increasing oxide content in Co ₈₀ Pt ₂₀ \hat{e} oxide thin films. Journal Physics D: Applied Physics, 2013, 46, 405001.	1.3	4
54	Magnetic Properties of (Fe ₅₀ Co ₅₀) _{1\hat{e}Gd\hat{e} Thin Films with Diluted Gd Doping. Journal of Nanoscience and Nanotechnology, 2012, 12, 6562-6566.}	0.9	7

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55	Growth mechanism and interface magnetic properties of Co nanostructures on graphite. Physical Review B, 2011, 84, .	1.1	25
56	Investigations on magnetic properties in ultrathin single crystal Fe rectangular arrays patterned by selective wet-etching. Journal of Applied Physics, 2011, 109, .	1.1	3
57	Hybridization-induced oscillatory magnetic polarization of C60 orbitals at the C60/Fe(001) interface. Applied Physics Letters, 2011, 98, .	1.5	60
58	In-plane uniaxial magnetic anisotropy in epitaxial Fe ₃ O ₄ thin films on GaAs(100). Physical Review B, 2011, 84, .	1.1	16
59	Influence of Au capping layer on the magnetic properties of ultrathin epitaxial Fe ₃ O ₄ /GaAs(001) film. Journal of Applied Physics, 2011, 109, 07C121.	1.1	7
60	Damping in magnetization dynamics of single-crystal Fe ₃ O ₄ /GaN thin films. Journal of Applied Physics, 2011, 109, 07D341.	1.1	12
61	Interface electrical properties of Fe ₃ O ₄ /MgO/GaAs(100) epitaxial spin contacts. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2344-2347.	0.8	4
62	Growth evolution and superparamagnetism of ultrathin Fe films grown on GaN(0001) surfaces. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2348-2351.	0.8	5
63	The effect of interelement dipole coupling in patterned ultrathin single crystal Fe square arrays. Journal of Applied Physics, 2011, 109, 033913.	1.1	3
64	Magnetocrystalline anisotropy of magnetic grains in Co ₈₀ Pt ₂₀ :oxide thin films probed by x-ray magnetic circular dichroism. Journal of Applied Physics, 2011, 109, 113920.	1.1	6
65	Ultrathin Fe ₃ O ₄ thin films on wide bandgap GaN(0001). Physical Review B, 2010, 81, .	1.1	3
66	Single crystal Fe elements patterned by one-step selective chemical wet etching. Journal Physics D: Applied Physics, 2010, 43, 295002.	1.3	2
67	Spin-injection device prospects for half-metallic Fe ₃ O ₄ /Al _{0.1} Ga _{0.9} As interfaces. Journal of Applied Physics, 2010, 108, 034507.	1.1	9
68	Reduction of In-Plane Uniaxial Magnetic Anisotropy in Patterned Single-Crystal Fe Dot Arrays. IEEE Transactions on Magnetics, 2009, 45, 3507-3510.	1.2	8
69	Hybrid Spintronic Structures With Magnetic Oxides and Heusler Alloys. IEEE Transactions on Magnetics, 2008, 44, 2959-2965.	1.2	17
70	The interface effect of the magnetic anisotropy in ultrathin epitaxial Fe ₃ O ₄ film. Applied Physics Letters, 2008, 92, .	1.5	20
71	Influence of Capping Layers on Magnetic Anisotropy in Fe/MgO/GaAs(100) Ultrathin Films. IEEE Transactions on Magnetics, 2008, 44, 2907-2910.	1.2	12
72	Magnetic and Structural Properties of Fully Epitaxial Fe ₃ O ₄ /MgO/GaAs(100) for Spin Injection. IEEE Transactions on Magnetics, 2008, 44, 2640-2642.	1.2	12

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73	Magnetic Domain Wall Formation in Ferromagnetic Wires With a Nanoconstriction. IEEE Transactions on Magnetics, 2007, 43, 2830-2832.	1.2	10
74	A study on spin wave resonance in patterned trilayer films. Journal of Applied Physics, 2007, 101, 09F507.	1.1	0