

# Ji-Wan Kim

## List of Publications by Year in descending order

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22  
papers

375  
citations

933447

10  
h-index

794594

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Magnetoacoustics in Nickel Films. <i>Physical Review Letters</i> , 2012, 109, 166601.	7.8	141
2	Ultrafast magnetization relaxation of L1-ordered Fe <sub>50</sub> Pt <sub>50</sub> alloy thin film. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	38
3	Controlling the Spins Angular Momentum in Ferromagnets with Sequences of Picosecond Acoustic Pulses. <i>Scientific Reports</i> , 2015, 5, 8511.	3.3	36
4	Ultrafast spin demagnetization by nonthermal electrons of TbFe alloy film. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	30
5	Magnetization precession induced by picosecond acoustic pulses in a freestanding film acting as an acoustic cavity. <i>Physical Review B</i> , 2017, 95, .	3.2	20
6	Direct observation of terahertz emission from ultrafast spin dynamics in thick ferromagnetic films. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	20
7	Ultrafast dynamics of exchange stiffness in Co/Pt multilayer. <i>Communications Physics</i> , 2020, 3, .	5.3	15
8	Mott transition in chain structure of strained VO <sub>2</sub> films revealed by coherent phonons. <i>Scientific Reports</i> , 2017, 7, 16038.	3.3	14
9	Magnetization Reversal of Exchange-biased Bilayers and Trilayers Probed using Front and Back LT-MOKE. <i>Journal of Magnetism</i> , 2009, 14, 36-41.	0.4	12
10	Gilbert damping and critical real-space trajectory of L1<sub>0</sub>-ordered FePt films investigated by magnetic-field-induction and all-optical methods. <i>Applied Physics Express</i> , 2014, 7, 113004.	2.4	11
11	Exploring the Angstrom Excursion of Au Nanoparticles Excited away from a Metal Surface by an Impulsive Acoustic Perturbation. <i>ACS Nano</i> , 2016, 10, 10880-10886.	14.6	9
12	Dephasing in photoinduced large-angle spin precession of confined ferromagnetic structures. <i>Physical Review B</i> , 2010, 82, .	3.2	7
13	Long-range interlayer-coupled magnetization reversal mediated by the antiferromagnetic layer in Py/FeMn/CoFe trilayers. <i>Physical Review B</i> , 2011, 84, .	3.2	7
14	Quasi-static strain governing ultrafast spin dynamics. <i>Communications Physics</i> , 2022, 5, .	5.3	4
15	Electric-field control of magnetic property in perpendicularly magnetized Co <sub>0.25</sub> Pd <sub>0.75</sub> /PMN-PT heterostructure. <i>Current Applied Physics</i> , 2017, 17, 940-944.	2.4	3
16	Nonuniform apparent relaxation from dephasing of magnetostatic wave modes in a confined microdisk. <i>Journal of Applied Physics</i> , 2009, 106, 113904.	2.5	2
17	Gilbert damping in asymmetric MgO(Ta)/CoFeB/Ta(MgO) structures with perpendicular magnetic anisotropy. <i>Current Applied Physics</i> , 2016, 16, 481-485.	2.4	2
18	Higher-order acoustic phonon oscillations in Au nanoparticles controlled by a sequence of ultrashort strain pulses generated by superdiffusive hot electrons. <i>Physical Review B</i> , 2020, 101, .	3.2	2

#	ARTICLE	IF	CITATIONS
19	Magneto-optical Kerr effect measurement in ultrafast Sagnac interferometry using the Jones matrix approach. Optics Letters, 2021, 46, 3364.	3.3	2
20	Relaxation effects of magnetization modulus and precession axis on damping time of precession in L1 0-ordered FePt alloy film. Current Applied Physics, 2017, 17, 1009-1013.	2.4	0
21	Second Harmonic Rotational Anisotropy of Polycrystalline Fe Films on Glass Substrates. Journal of the Korean Magnetics Society, 2009, 19, 47-51.	0.0	0
22	Ultrafast Magnetoacoustics in Nickel. Springer Proceedings in Physics, 2015, , 235-237.	0.2	0