Shinji Yuasa

List of Publications by Citations

369 papers	15,596 citations	54 h-index	117 g-index
400 ext. papers	17,577 ext. citations	4.3 avg, IF	6.36 L-index

#	Paper	IF	Citations
369	Giant room-temperature magnetoresistance in single-crystal Fe/MgO/Fe magnetic tunnel junctions. *Nature Materials*, **2004**, 3, 868-71	27	2548
368	230% room-temperature magnetoresistance in CoFeB□MgO□CoFeB magnetic tunnel junctions. *Applied Physics Letters*, **2005**, 86, 092502	3.4	767
367	Spin-torque diode effect in magnetic tunnel junctions. *Nature*, **2005**, 438, 339-42	50.4	638
366	Neuromorphic computing with nanoscale spintronic oscillators. *Nature*, **2017**, 547, 428-431	50.4	558
365	Giant tunnel magnetoresistance in magnetic tunnel junctions with a crystalline MgO(0 0 1) barrier. *Journal Physics D: Applied Physics*, **2007**, 40, R337-R354	3	452
364	Quantitative measurement of voltage dependence of spin-transfer torque in MgO-based magnetic tunnel junctions. *Nature Physics*, **2008**, 4, 37-41	16.2	431
363	Bias-driven high-power microwave emission from MgO-based tunnel magnetoresistance devices. *Nature Physics*, **2008**, 4, 803-809	16.2	366
362	Giant tunneling magnetoresistance up to 410% at room temperature in fully epitaxial Co□MgO□Co magnetic tunnel junctions with bcc Co(001) electrodes. *Applied Physics Letters*, **2006**, 89, 042505	3.4	298
361	Large microwave generation from current-driven magnetic vortex oscillators in magnetic tunnel junctions. *Nature Communications*, **2010**, 1, 8	17.4	280
360	High Tunnel Magnetoresistance at Room Temperature in Fully Epitaxial Fe/MgO/Fe Tunnel Junctions due to Coherent Spin-Polarized Tunneling. *Japanese Journal of Applied Physics*, **2004**, 43, L588-L590	1.4	236
359	Ultrathin Co/Pt and Co/Pd superlattice films for MgO-based perpendicular magnetic tunnel junctions. *Applied Physics Letters*, **2010**, 97, 232508	3.4	226
358	Vowel recognition with four coupled spin-torque nano-oscillators. *Nature*, **2018**, 563, 230-234	50.4	225
357	Spin-polarized resonant tunneling in magnetic tunnel junctions. *Science*, **2002**, 297, 234-7	33.3	218
356	Electric-field-induced ferromagnetic resonance excitation in an ultrathin ferromagnetic metal layer. *Nature Physics*, **2012**, 8, 491-496	16.2	195
355	Thermal spin current from a ferromagnet to silicon by Seebeck spin tunnelling. *Nature*, **2011**, 475, 82-5	50.4	190
354	Giant tunneling magnetoresistance effect in low-resistance CoFeB□MgO(001)□CoFeB magnetic tunnel junctions for read-head applications. *Applied Physics Letters*, **2005**, 87, 072503	3.4	178
353	Highly sensitive nanoscale spin-torque diode. *Nature Materials*, **2014**, 13, 50-6	27	168

352	Characterization of growth and crystallization processes in CoFeB/MgO/CoFeB magnetic tunnel junction structure by reflective high-energy electron diffraction. *Applied Physics Letters*, **2005**, 87, 242503	3.4	157
351	Lower-current and fast switching of a perpendicular TMR for high speed and high density spin-transfer-torque MRAM **2008**,		147
350	High efficient spin transfer torque writing on perpendicular magnetic tunnel junctions for high density MRAMs. *Current Applied Physics*, **2010**, 10, e87-e89	2.6	144
349	Influence of perpendicular magnetic anisotropy on spin-transfer switching current in CoFeB/MgO/CoFeB magnetic tunnel junctions. *Journal of Applied Physics*, **2009**, 105, 07D131	2.5	141
348	Evaluation of Spin-Transfer Switching in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. *Japanese Journal of Applied Physics*, **2005**, 44, L1237-L1240	1.4	141
347	A magnetic synapse: multilevel spin-torque memristor with perpendicular anisotropy. *Scientific Reports*, **2016**, 6, 31510	4.9	141
346	Spin dice: A scalable truly random number generator based on spintronics. *Applied Physics Express*, **2014**, 7, 083001	2.4	134
345	Vertical-current-induced domain-wall motion in MgO-based magnetic tunnel junctions with low current densities. *Nature Physics*, **2011**, 7, 626-630	16.2	132
344	Spin-Torque Oscillator Based on Magnetic Tunnel Junction with a Perpendicularly Magnetized Free Layer and In-Plane Magnetized Polarizer. *Applied Physics Express*, **2013**, 6, 103003	2.4	116
343	Interlayer exchange coupling in Fe/MgO/Fe magnetic tunnel junctions. *Applied Physics Letters*, **2006**, 89, 112503	3.4	112
342	Direct determination of interfacial magnetic moments with a magnetic phase transition in Co nanoclusters on Au(111). *Physical Review Letters*, **2001**, 87, 257201	7.4	109
341	Large Voltage-Induced Changes in the Perpendicular Magnetic Anisotropy of an MgO-Based Tunnel Junction with an Ultrathin Fe Layer. *Physical Review Applied*, **2016**, 5,	4.3	105
340	Neural-like computing with populations of superparamagnetic basis functions. *Nature Communications*, **2018**, 9, 1533	17.4	104
339	Origin of the tunnel anisotropic magnetoresistance in Ga(1-x)Mn(x)As/ZnSe/Ga(1-x)Mn(x)As magnetic tunnel junctions of II-VI/III-V heterostructures. *Physical Review Letters*, **2005**, 95, 086604	7.4	104
338	Ultralow resistance-area product of 0.4 Ω(μm)2 and high magnetoresistance above 50% in CoFeB/MgO/CoFeB magnetic tunnel junctions. *Applied Physics Letters*, **2006**, 89, 162507	3.4	96
337	Voltage controlled interfacial magnetism through platinum orbits. *Nature Communications*, **2017**, 8, 15848	17.4	91
336	Magnetic tunnel junctions with single-crystal electrodes: A crystal anisotropy of tunnel magneto-resistance. *Europhysics Letters*, **2000**, 52, 344-350	1.6	84
335	Spin-transfer torque induced by the spin anomalous Hall effect. *Nature Electronics*, **2018**, 1, 120-123	28.4	72

334	Spin-transfer torque magnetoresistive random-access memory technologies for normally off computing (invited). *Journal of Applied Physics*, **2014**, 115, 172607	2.5	72
333	High Magnetoresistance Ratio and Low Resistance–Area Product in Magnetic Tunnel Junctions with Perpendicularly Magnetized Electrodes. *Applied Physics Express*, **2010**, 3, 053003	2.4	72
332	Enhancement of perpendicular magnetic anisotropy in FeB free layers using a thin MgO cap layer. *Journal of Applied Physics*, **2012**, 111, 07C723	2.5	71
331	Underlayer material influence on electric-field controlled perpendicular magnetic anisotropy in CoFeB/MgO magnetic tunnel junctions. *Physical Review B*, **2015**, 91,	3.3	68
330	Phase locking of vortex based spin transfer oscillators to a microwave current. *Applied Physics Letters*, **2011**, 98, 132506	3.4	67
329	Low-Energy Truly Random Number Generation with Superparamagnetic Tunnel Junctions for Unconventional Computing. *Physical Review Applied*, **2017**, 8,	4.3	66
328	Electrical creation of spin accumulation in -type germanium. *Solid State Communications*, **2011**, 151, 1159–1161	1.6	66
327	Giant tunneling magnetoresistance in fully epitaxial body-centered-cubic Co/MgO/Fe magnetic tunnel junctions. *Applied Physics Letters*, **2005**, 87, 222508	3.4	66
326	Giant Tunneling Magnetoresistance in MgO-Based Magnetic Tunnel Junctions. *Journal of the Physical Society of Japan*, **2008**, 77, 031001	1.5	64
325	Large Emission Power over 2 μW with HighQFactor Obtained from Nanocontact Magnetic-Tunnel-Junction-Based Spin Torque Oscillator. *Applied Physics Express*, **2013**, 6, 113005	2.4	62
324	Pulse voltage-induced dynamic magnetization switching in magnetic tunneling junctions with high resistance-area product. *Applied Physics Letters*, **2012**, 101, 102406	3.4	60
323	Spin-dependent tunneling spectroscopy in single-crystal Fe/MgO/Fe tunnel junctions. *Applied Physics Letters*, **2005**, 87, 142502	3.4	60
322	Rectification of radio frequency current in ferromagnetic nanowire. *Applied Physics Letters*, **2007**, 90, 182507	3.4	58
321	Mutual synchronization of spin torque nano-oscillators through a long-range and tunable electrical coupling scheme. *Nature Communications*, **2017**, 8, 15825	17.4	57
320	Brownian motion of skyrmion bubbles and its control by voltage applications. *Applied Physics Letters*, **2019**, 114, 012402	3.4	57
319	Evaluation of write error rate for voltage-driven dynamic magnetization switching in magnetic tunnel junctions with perpendicular magnetization. *Applied Physics Express*, **2016**, 9, 013001	2.4	56
318	Response to noise of a vortex based spin transfer nano-oscillator. *Physical Review B*, **2014**, 89,	3.3	54
317	Highly efficient voltage control of spin and enhanced interfacial perpendicular magnetic anisotropy in iridium-doped Fe/MgO magnetic tunnel junctions. *NPG Asia Materials*, **2017**, 9, e451-e451	10.3	54

316	Ultralow-Voltage Spin-Transfer Switching in Perpendicularly Magnetized Magnetic Tunnel Junctions with Synthetic Antiferromagnetic Reference Layer. *Applied Physics Express*, **2013**, 6, 113006	2.4	54
315	Control of magnetic properties of epitaxial Mn5Ge3Cx films induced by carbon doping. *Physical Review B*, **2011**, 84,	3.3	54
314	Tunnel Magnetoresistance above 170% and Resistance-Area Product of 1 Ω(μm)2Attained byIn situAnnealing of Ultra-Thin MgO Tunnel Barrier. *Applied Physics Express*, **2011**, 4, 033002	2.4	53
313	Oscillatory Magneto-Optical Effect in a Au (001) Film Deposited on Fe: Experimental Confirmation of a Spin-Polarized Quantum Size Effect. *Physical Review Letters*, **1998**, 80, 5200-5203	7.4	52
312	Physical reservoir computing based on spin torque oscillator with forced synchronization. *Applied Physics Letters*, **2019**, 114, 164101	3.4	51
311	Perpendicular magnetic anisotropy of Ir/CoFeB/MgO trilayer system tuned by electric fields. *Applied Physics Express*, **2015**, 8, 053003	2.4	51
310	Origin of the spectral linewidth in nonlinear spin-transfer oscillators based on MgO tunnel junctions. *Physical Review B*, **2009**, 80,	3.3	50
309	Very strong antiferromagnetic interlayer exchange coupling with iridium spacer layer for perpendicular magnetic tunnel junctions. *Applied Physics Letters*, **2017**, 110, 092406	3.4	49
308	X-ray Absorption and X-ray Magnetic Circular Dichroism Studies of a Monatomic Fe(001) Layer Facing a Single-Crystalline MgO(001) Tunnel Barrier. *Japanese Journal of Applied Physics*, **2005**, 44, L9-L11	1.4	49
307	Spin-torque resonant expulsion of the vortex core for an efficient radiofrequency detection scheme. *Nature Nanotechnology*, **2016**, 11, 360-4	28.7	48
306	High emission power and Q factor in spin torque vortex oscillator consisting of FeB free layer. *Applied Physics Express*, **2014**, 7, 063009	2.4	48
305	Magneto-Volume and Tetragonal Elongation Effects on Magnetic Phase Transitions of Body-Centered Tetragonal FeRh1-xPtx. *Journal of the Physical Society of Japan*, **1994**, 63, 3129-3144	1.5	48
304	High Q factor over 3000 due to out-of-plane precession in nano-contact spin-torque oscillator based on magnetic tunnel junctions. *Applied Physics Express*, **2014**, 7, 023003	2.4	47
303	Effect of MgO Cap Layer on Gilbert Damping of FeB Electrode Layer in MgO-Based Magnetic Tunnel Junctions. *Applied Physics Express*, **2013**, 6, 073002	2.4	47
302	Reservoir computing with the frequency, phase, and amplitude of spin-torque nano-oscillators. *Applied Physics Letters*, **2019**, 114, 012409	3.4	47
301	Recent Progress in the Voltage-Controlled Magnetic Anisotropy Effect and the Challenges Faced in Developing Voltage-Torque MRAM. *Micromachines*, **2019**, 10,	3.3	46
300	Perpendicular magnetic tunnel junctions with strong antiferromagnetic interlayer exchange coupling at first oscillation peak. *Applied Physics Express*, **2015**, 8, 083003	2.4	45
299	Large Diode Sensitivity of CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. *Applied Physics Express*, **2010**, 3, 073001	2.4	45

298	Injection and detection of spin in a semiconductor by tunneling via interface states. *Physical Review B*, **2012**, 85,	3.3	42
297	Noise-Enhanced Synchronization of Stochastic Magnetic Oscillators. *Physical Review Applied*, **2014**, 2,	4.3	41
296	Oscillation of giant tunneling magnetoresistance with respect to tunneling barrier thickness in fully epitaxial Fe/MgO/Fe magnetic tunnel junctions. *Applied Physics Letters*, **2007**, 90, 252506	3.4	41
295	Effect of Ta getter on the quality of MgO tunnel barrier in the polycrystalline CoFeB/MgO/CoFeB magnetic tunnel junction. *Applied Physics Letters*, **2007**, 90, 012505	3.4	41
294	Reduction in write error rate of voltage-driven dynamic magnetization switching by improving thermal stability factor. *Applied Physics Letters*, **2017**, 111, 022408	3.4	40
293	Understanding of Phase Noise Squeezing Under Fractional Synchronization of a Nonlinear Spin Transfer Vortex Oscillator. *Physical Review Letters*, **2015**, 115, 017201	7.4	40
292	Magnetization-dependent loss in an (Al,Ga)As optical waveguide with an embedded Fe micromagnet. *Optics Letters*, **2010**, 35, 931-3	3	39
291	Dependence of spin-transfer switching current on free layer thickness in CoFeB/MgO/CoFeB magnetic tunnel junctions. *Applied Physics Letters*, **2006**, 89, 032505	3.4	39
290	Anomalous scaling of spin accumulation in ferromagnetic tunnel devices with silicon and germanium. *Physical Review B*, **2014**, 89,	3.3	38
289	Voltage-Induced Magnetic Anisotropy Changes in an Ultrathin FeB Layer Sandwiched between Two MgO Layers. *Applied Physics Express*, **2013**, 6, 073005	2.4	38
288	Spin-dependent tunneling in magnetic tunnel junctions with a layered antiferromagnetic Cr(001) spacer: role of band structure and interface scattering. *Physical Review Letters*, **2005**, 95, 086602	7.4	38
287	Voltage tuning of thermal spin current in ferromagnetic tunnel contacts to semiconductors. *Nature Materials*, **2014**, 13, 360-6	27	37
286	Tunneling spectra of sputter-deposited CoFeB/MgO/CoFeB magnetic tunnel junctions showing giant tunneling magnetoresistance effect. *Solid State Communications*, **2005**, 136, 611-615	1.6	36
285	High domain wall velocities via spin transfer torque using vertical current injection. *Scientific Reports*, **2013**, 3, 1829	4.9	35
284	Thermal spin current and magnetothermopower by Seebeck spin tunneling. *Physical Review B*, **2012** , 85,	3.3	35
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281	Thermal stability and spin-transfer switchings in MgO-based magnetic tunnel junctions with ferromagnetically and antiferromagnetically coupled synthetic free layers. *Applied Physics Letters*, **2009**, 95, 242504	3.4	34

280	Kerr microscopy observations of magnetization process in microfabricated ferromagnetic wires. *Journal of Applied Physics*, **2000**, 87, 5618-5620	2.5	34
279	Self-Injection Locking of a Vortex Spin Torque Oscillator by Delayed Feedback. *Scientific Reports*, **2016**, 6, 26849	4.9	34
278	Enhancement of perpendicular magnetic anisotropy and its electric field-induced change through interface engineering in Cr/Fe/MgO. *Scientific Reports*, **2017**, 7, 5993	4.9	33
277	Microwave emission power exceeding 10 W in spin torque vortex oscillator. *Applied Physics Letters* , **2016**, 109, 252402	3.4	33
276	Large spin accumulation voltages in epitaxial Mn5Ge3 contacts on Ge without an oxide tunnel barrier. *Physical Review B*, **2014**, 90,	3.3	32
275	Spin-transfer-torque-induced rf oscillations in CoFeB/MgO/CoFeB magnetic tunnel junctions under a perpendicular magnetic field. *Physical Review B*, **2010**, 81,	3.3	32
274	Bias dependences of in-plane and out-of-plane spin-transfer torques in symmetric MgO-based magnetic tunnel junctions. *Physical Review B*, **2010**, 81,	3.3	32
273	Spin-torque-induced switching and precession in fully epitaxial Fe/MgO/Fe magnetic tunnel junctions. *Physical Review B*, **2009**, 80,	3.3	32
272	Magnetization switching by spin-polarized current in low-resistance magnetic tunnel junction with MgO [001] barrier. *IEEE Transactions on Magnetics*, **2005**, 41, 2633-2635	2	32
271	Enhancement in the interfacial perpendicular magnetic anisotropy and the voltage-controlled magnetic anisotropy by heavy metal doping at the Fe/MgO interface. *APL Materials*, **2018**, 6, 026101	5.7	31
270	Spin-dependent tunneling in epitaxial Fe/Cr/MgO/Fe magnetic tunnel junctions with an ultrathin Cr(001) spacer layer. *Physical Review B*, **2009**, 79,	3.3	31
269	Microfabrication of Magnetic Tunnel Junctions Using CH$_{3}$OH Etching. *IEEE Transactions on Magnetics*, **2007**, 43, 2776-2778	2	31
268	Future prospects of MRAM technologies **2013**,		30
267	Large amplitude spin torque vortex oscillations at zero external field using a perpendicular spin polarizer. *Applied Physics Letters*, **2014**, 105, 022404	3.4	30
266	Quantum-well effect in magnetic tunnel junctions with ultrathin single-crystal Fe(100) electrodes. *Applied Physics Letters*, **2001**, 79, 4381-4383	3.4	29
265	Scaling up electrically synchronized spin torque oscillator networks. *Scientific Reports*, **2018**, 8, 13475	4.9	29
264	Controlling the phase locking of stochastic magnetic bits for ultra-low power computation. *Scientific Reports*, **2016**, 6, 30535	4.9	28
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262	First-Order Magnetic Phase Transitions Observed in bct FeRhPt, Pd Systems. *Japanese Journal of Applied Physics*, **1993**, 32, 232	1.4	27
261	Transparent magnetic fluid: preparation of YIG ultrafine particles. *Journal of Magnetism and Magnetic Materials*, **1993**, 122, 6-9	2.8	27
260	High Magnetoresistance in Fully Epitaxial Magnetic Tunnel Junctions with a Semiconducting GaOx Tunnel Barrier. *Physical Review Applied*, **2016**, 6,	4.3	27
259	Temporal pattern recognition with delayed feedback spin-torque nano-oscillators. *Physical Review Applied*, **2019**, 12,	4.3	26
258	Role of non-linear data processing on speech recognition task in the framework of reservoir computing. *Scientific Reports*, **2020**, 10, 328	4.9	26
257	Peltier Effect in Sub-micron-Size Metallic Junctions. *Japanese Journal of Applied Physics*, **2005**, 44, L12-L14	1.4	26
256	Spin Accumulation and Spin Lifetime in p-Type Germanium at Room Temperature. *Applied Physics Express*, **2012**, 5, 053004	2.4	25
255	Coherent microwave generation by spintronic feedback oscillator. *Scientific Reports*, **2016**, 6, 30747	4.9	25
254	Damping parameter and interfacial perpendicular magnetic anisotropy of FeB nanopillar sandwiched between MgO barrier and cap layers in magnetic tunnel junctions. *Applied Physics Express*, **2014**, 7, 033004	2.4	24
253	Spin Accumulation in Nondegenerate and Heavily Doped p-Type Germanium. *Applied Physics Express*, **2012**, 5, 023003	2.4	24
252	Single-Shot Measurements of Spin-Transfer Switching in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions. *Applied Physics Express*, **2008**, 1, 061303	2.4	24
251	Exchange coupling of NiFe/FeRhIr thin films. *Journal of Applied Physics*, **1998**, 83, 6813-6815	2.5	24
250	Perpendicular magnetic anisotropy and its electric-field-induced change at metal-dielectric interfaces. *Journal Physics D: Applied Physics*, **2019**, 52, 063001	3	24
249	Enhancement of magneto-optical Kerr effect by surface plasmons in trilayer structure consisting of double-layer dielectrics and ferromagnetic metal. *Optics Express*, **2015**, 23, 11537-55	3.3	23
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247	Nonlinear Behavior and Mode Coupling in Spin-Transfer Nano-Oscillators. *Physical Review Applied*, **2014**, 2,	4.3	23
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244	Magnetism of Body-Centered Tetragonal FeRh1-xPdxAlloys (I) Magnetic Properties. *Journal of the Physical Society of Japan*, **1995**, 64, 4906-4913	1.5	23
243	Giant Peltier Effect in a Submicron-Sized Cu□Ni/Au Junction with Nanometer-Scale Phase Separation. *Applied Physics Express*, **2010**, 3, 065204	2.4	22
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241	Tunnel magnetoresistance effect in Cr1□Te□AlAs□Ga1□MnxAs magnetic tunnel junctions. *Journal of Applied Physics*, **2005**, 97, 10D305	2.5	22
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239	Magnetization switching assisted by high-frequency-voltage-induced ferromagnetic resonance. *Applied Physics Express*, **2014**, 7, 073002	2.4	21
238	High-output microwave detector using voltage-induced ferromagnetic resonance. *Applied Physics Letters*, **2014**, 105, 192408	3.4	21
237	Low-frequency and shot noises in CoFeB/MgO/CoFeB magnetic tunneling junctions. *Physical Review B*, **2012**, 86,	3.3	21
236	Spin-Torque Diode Measurements of MgO-Based Magnetic Tunnel Junctions with Asymmetric Electrodes. *Applied Physics Express*, **2011**, 4, 063001	2.4	21
235	Sub-Poissonian shot noise in CoFeB/MgO/CoFeB-based magnetic tunneling junctions. *Applied Physics Letters*, **2011**, 98, 202103	3.4	21
234	MFM observation of magnetic phase transitions in ordered FeRh systems. *Journal of Magnetism and Magnetic Materials*, **1998**, 177-181, 181-182	2.8	21
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232	Spin-transfer-torque switching in a spin-valve nanopillar with a conically magnetized free layer. *Applied Physics Express*, **2015**, 8, 063007	2.4	20
231	Enhancement of the transverse non-reciprocal magneto-optical effect. *Journal of Applied Physics*, **2012**, 111, 023103	2.5	20
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224	Parametric excitation of magnetic vortex gyrations in spin-torque nano-oscillators. *Physical Review B*, **2013**, 88,	3.3	18
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222	Huge magnetoresistance and low junction resistance in magnetic tunnel junctions with crystalline MgO barrier. *IEEE Transactions on Magnetics*, **2006**, 42, 103-107	2	18
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216	Novel voltage controlled MRAM (VCM) with fast read/write circuits for ultra large last level cache **2016**,		17
215	Perpendicular magnetic tunnel junction with enhanced anisotropy obtained by utilizing an Ir/Co interface. *Applied Physics Express*, **2016**, 9, 013003	2.4	16
214	Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. *Physical Review Applied*, **2018**, 10,	4.3	16
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212	Spin-polarized tunneling in metal-insulator-semiconductor Fe□nSe□a1□MnxAs magnetic tunnel diodes. *Applied Physics Letters*, **2006**, 89, 232502	3.4	16
211	Magnetic and transport properties of epitaxial Fe/MgO(001) wires. *Journal of Magnetism and Magnetic Materials*, **1999**, 198-199, 200-203	2.8	16
210	Voltage-controlled magnetic anisotropy in an ultrathin Ir-doped Fe layer with a CoFe termination layer. *APL Materials*, **2020**, 8, 011108	5.7	15
209	Observations of thermally excited ferromagnetic resonance on spin torque oscillators having a perpendicularly magnetized free layer. *Journal of Applied Physics*, **2014**, 115, 17C740	2.5	15

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207	Improvement of write error rate in voltage-driven magnetization switching. *Journal Physics D: Applied Physics*, **2019**, 52, 164001	3	15
206	Achievement of high diode sensitivity via spin torque-induced resonant expulsion in vortex magnetic tunnel junction. *Applied Physics Express*, **2018**, 11, 053001	2.4	15
205	Spin-torque-induced oscillation at zero bias field in a magnetoresistive nanopillar with a free layer with first- and second-order uniaxial anisotropy. *Applied Physics Express*, **2015**, 8, 083005	2.4	14
204	High Spin-Torque Diode Sensitivity in CoFeB/MgO/CoFeB Magnetic Tunnel Junctions Under DC Bias Currents. *IEEE Transactions on Magnetics*, **2011**, 47, 3373-3376	2	14
203	. *IEEE Transactions on Magnetics*, **2010**, 46, 2232-2235	2	14
202	Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by a Controlled Voltage Pulse. *Physical Review Applied*, **2019**, 11,	4.3	14
201	Integer, Fractional, and Sideband Injection Locking of a Spintronic Feedback Nano-Oscillator to a Microwave Signal. *Physical Review Applied*, **2017**, 8,	4.3	13
200	Magnetic Stochastic Oscillators: Noise-Induced Synchronization to Underthreshold Excitation and Comprehensive Compact Model. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	13
199	Evaluation of barrier uniformity in magnetic tunnel junctions prepared using natural oxidation of thin Mg layers. *Journal of Applied Physics*, **2010**, 108, 123915	2.5	13
198	Electrical spin injection in p-type Si using Fe/MgO contacts **2012**,		13
197	High tunneling magnetoresistance in Fe/GaOx/Ga1−xMnxAs with metal/insulator/semiconductor structure. *Applied Physics Letters*, **2008**, 93, 172515	3.4	13
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194	Shape effect on the magnetic anisotropy of an array of epitaxial (10/spl middot/0) Co dots. *IEEE Transactions on Magnetics*, **1999**, 35, 3472-3474	2	13
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