

Tatsuya Yamamoto

List of Publications by Year in descending order

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docs citations

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times ranked

597
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the interfacial perpendicular magnetic anisotropy and tunnel magnetoresistance by inserting an ultrathin LiF layer at an Fe/MgO interface. NPG Asia Materials, 2022, 14, .	3.8	10
2	Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/Mo/CoFeB/MgO junctions. Journal Physics D: Applied Physics, 2022, 55, 275003.	1.3	3
3	Improvement in perpendicular magnetic anisotropy and its voltage control efficiency in CoFeB/MgO tunnel junctions with Ta/Mo layered adhesion structures. Journal of Applied Physics, 2022, 131, 213901.	1.1	1
4	Developments in voltage-controlled subnanosecond magnetization switching. Journal of Magnetism and Magnetic Materials, 2022, 560, 169637.	1.0	15
5	Perpendicular magnetic anisotropy and its electrical control in FeNiB ultrathin films. AIP Advances, 2021, 11, .	0.6	2
6	Recent progress in random number generator using voltage pulse-induced switching of nano-magnet: A perspective. APL Materials, 2021, 9, .	2.2	9
7	Development of a high-sensitivity VNA-FMR spectrometer with field modulation detection and its application to magnetic characterization. Electronics and Communications in Japan, 2021, 104, e12320.	0.3	3
8	Perpendicular magnetic anisotropy and its voltage control in MgO/CoFeB/MgO junctions with atomically thin Ta adhesion layers. Acta Materialia, 2021, 216, 117097.	3.8	19
9	Voltage-Driven Magnetization Switching Controlled by Microwave Electric Field Pumping. Nano Letters, 2020, 20, 6012-6017.	4.5	14
10	Generation of charge current from magnetization oscillation via the inverse of voltage-controlled magnetic anisotropy effect. Science Advances, 2020, 6, eabc2618.	4.7	6
11	Voltage-Driven Magnetization Switching Using Inverse-Bias Schemes. Physical Review Applied, 2020, 13, .	1.5	18
12	Voltage-controlled magnetic anisotropy in an ultrathin Ir-doped Fe layer with a CoFe termination layer. APL Materials, 2020, 8, .	2.2	40
13	High-speed write error rate evaluation of a voltage-torque magnetic random access memory cell. Japanese Journal of Applied Physics, 2019, 58, 060905.	0.8	1
14	Recent Progress in the Voltage-Controlled Magnetic Anisotropy Effect and the Challenges Faced in Developing Voltage-Torque MRAM. Micromachines, 2019, 10, 327.	1.4	96
15	Write-Error Reduction of Voltage-Torque-Driven Magnetization Switching by a Controlled Voltage Pulse. Physical Review Applied, 2019, 11, .	1.5	32
16	Improvement of write error rate in voltage-driven magnetization switching. Journal Physics D: Applied Physics, 2019, 52, 164001.	1.3	36
17	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, .	2.2	53
18	Reduction in the write error rate of voltage-induced dynamic magnetization switching using the reverse bias method. Japanese Journal of Applied Physics, 2018, 57, 040311.	0.8	18

#	ARTICLE	IF	CITATIONS
19	Accurate calculation and shaping of the voltage pulse waveform applied to a voltage-controlled magnetic random access memory cell. Japanese Journal of Applied Physics, 2018, 57, 073002.	0.8	9
20	Thermally Induced Precession-Orbit Transition of Magnetization in Voltage-Driven Magnetization Switching. Physical Review Applied, 2018, 10, .	1.5	29
21	Fully epitaxial C1b-type NiMnSb half-Heusler alloy films for current-perpendicular-to-plane giant magnetoresistance devices with a Ag spacer. Scientific Reports, 2016, 5, 18387.	1.6	38
22	Enhanced current-perpendicular-to-plane giant magnetoresistance effect in half-metallic NiMnSb based nanojunctions with multiple Ag spacers. Applied Physics Letters, 2016, 108, .	1.5	11
23	Magnetoresistance effect in Fe ₂₀ Ni ₈₀ /graphene/Fe ₂₀ Ni ₈₀ vertical spin valves. Applied Physics Letters, 2016, 109, . Vortex spin-torque oscillator using	1.5	22
24	Co_2FeMnSi Heusler alloys. Physical Review B, 2016, 94, .	1.1	18
25	Observation and suppression of quantized spin waves in microfabricated permalloy elements. Japanese Journal of Applied Physics, 2014, 53, 04EM01.	0.8	0
26	Characterization of spin pumping effect in Permalloy/Cu/Pt microfabricated lateral devices. Journal of Applied Physics, 2014, 115, 17C505.	1.1	3
27	Perpendicular Magnetic Anisotropy and its Voltage Control in MgO/CoFeB/MgO Junctions with Atomically Thin Ta Adhesion Layers. SSRN Electronic Journal, 0, , .	0.4	0