

# Naganivetha Thiyagarajah

## List of Publications by Year in descending order

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20  
papers

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citations

933447

10  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in <sup>2</sup> . Nanotechnology, 2011, 22, 385301.	2.6	55
2	Giant spontaneous Hall effect in zero-moment Mn <sub>2</sub> RuGa. Applied Physics Letters, 2015, 106, .	3.3	35
3	Directed Self-Assembly of Densely Packed Gold Nanoparticles. Langmuir, 2012, 28, 16782-16787.	3.5	30
4	Perpendicular exchange bias effect in sputter-deposited CoFe/IrMn bilayers. Applied Physics Letters, 2014, 104, .	3.3	30
5	Effect of film texture on magnetization reversal and switching field in continuous and patterned (Co/Pd) multilayers. Journal of Applied Physics, 2009, 106, 023906.	2.5	28
6	Effects of perpendicular anisotropy on the interlayer coupling in perpendicularly magnetized [PdCo]Cu[CoPd] spin valves. Applied Physics Letters, 2008, 92, 062504.	3.3	21
7	Magnetically Labeled GMR Biosensor With a Single Immobilized Ferrimagnetic Particle Agent for the Detection of Extremely Low Concentration of Biomolecules. IEEE Sensors Journal, 2011, 11, 1927-1934.	4.7	14
8	Effects of engineered Cu spacer on the interlayer coupling and giant magnetoresistance behavior in Pd/[PdCo] <sub>2</sub> /Cu/[CoPd] <sub>4</sub> pseudo-spin-valves with perpendicular anisotropy. Journal of Applied Physics, 2008, 104, 113906.	2.5	12
9	Enhancement of perpendicular exchange bias in [PdCo]/FeMn thin films by tailoring the magnetoelastically induced perpendicular anisotropy. Applied Physics Letters, 2010, 97, 242514.	3.3	12
10	A physical model of exchange bias in [PdCo] <sub>5</sub> /FeMn thin films with perpendicular anisotropy. Journal of Applied Physics, 2010, 108, .	2.5	12
11	High magnetic and thermal stability of nanopatterned [CoPd] based pseudo spin-valves with perpendicular anisotropy for 1 Gb magnetic random access memory applications. Applied Physics Letters, 2009, 95, .	3.3	8
12	Effects of NiFe/Co Insertion at the [PdCo] and Cu Interface on the Magnetic and GMR Properties in Perpendicularly Magnetized [PdCo]/Cu/[CoPd] Pseudo Spin-Valves. IEEE Transactions on Magnetics, 2010, 46, 968-973.	2.1	6
13	A facile approach for screening isolated nanomagnetic behavior for bit-patterned media. Nanotechnology, 2014, 25, 225203.	2.6	6
14	Effect of inter-bit material on the performance of directly deposited bit patterned media. Applied Physics Letters, 2012, 101, .	3.3	5
15	Comparison of bit-patterned media fabricated by methods of direct deposition and ion-milling of cobalt/palladium multilayers. Journal of Applied Physics, 2012, 111, .	2.5	4
16	Spin transfer switching characteristics in a [PdCo] <sub>m</sub> /Cu/[CoPd] <sub>n</sub> pseudo spin-valve nanopillar with perpendicular anisotropy. Journal of Applied Physics, 2012, 111, 07C910.	2.5	3
17	Channel Characterization and Performance Evaluation of Bit-Patterned Media. IEEE Transactions on Magnetics, 2013, 49, 723-729.	2.1	3
18	Physical nature of anomalous peaks observed in extraordinary Hall effect measurement of exchange biased spin-valves with perpendicular anisotropy. Journal of Applied Physics, 2011, 110, 013913.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Fabrication of single-dot planar nano-devices and the application to the exchange bias characterization in nano-pillar devices. Applied Physics Letters, 2012, 101, 222406.	3.3	1
20	Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design. IEEE Transactions on Magnetics, 2013, 49, 3624-3627.	2.1	0