

# Ami Berkowitz

## List of Publications by Year in descending order

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31  
papers

2,792  
citations

393982

19  
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395343

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34  
all docs

34  
docs citations

34  
times ranked

2598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite Size Effects in Antiferromagnetic NiO Nanoparticles. Physical Review Letters, 1997, 79, 1393-1396.	2.9	815
2	Interfacial Uncompensated Antiferromagnetic Spins: Role in Unidirectional Anisotropy in Polycrystalline Ni <sub>81</sub> Fe <sub>19</sub> /CoO Bilayers. Physical Review Letters, 1997, 79, 1130-1133.	2.9	476
3	Exchange anisotropy in coupled films of Ni <sub>81</sub> Fe <sub>19</sub> with NiO and Co <sub>x</sub> Ni <sub>1-x</sub> O. Applied Physics Letters, 1992, 60, 3060-3062.	1.5	210
4	Oxygen as a surfactant in the growth of giant magnetoresistance spin valves. Journal of Applied Physics, 1997, 82, 6142-6151.	1.1	193
5	Antiferromagnetic MnO nanoparticles with ferrimagnetic $Mn_3O_4$ shells: Doubly inverted core-shell system. Physical Review B, 2008, 77, .	1.1	131
6	Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices. Physical Review Letters, 1996, 77, 3451-3454.	2.9	111
7	Spin-dependent tunneling in HfO <sub>2</sub> tunnel junctions. Applied Physics Letters, 1996, 69, 2291-2293.	1.5	109
8	Co/NiO superlattices: Interlayer interactions and exchange anisotropy with Ni <sub>81</sub> Fe <sub>19</sub> (invited). Journal of Applied Physics, 1993, 73, 6892-6897.	1.1	89
9	Finite size effects on the moment and ordering temperature in antiferromagnetic CoO layers. Physical Review B, 2003, 67, .	1.1	85
10	Giant magnetoresistance in heterogeneous AgCo alloy films. Applied Physics Letters, 1992, 61, 2935-2937.	1.5	80
11	Spark-eroded particles: Influence of processing parameters. Journal of Applied Physics, 2004, 95, 823-829.	1.1	68
12	Spin-polarized tunneling in discontinuous CoFe/HfO <sub>2</sub> multilayers. Journal of Applied Physics, 1997, 81, 5512-5514.	1.1	66
13	Growth of giant magnetoresistance spin valves using Pb and Au as surfactants. Journal of Applied Physics, 1996, 80, 5183-5191.	1.1	61
14	Preparation and structural characterization of sputtered Co <sub>0.5</sub> O thin epitaxial films. Journal of Materials Research, 1991, 6, 2680-2687.	1.2	51
15	Pinned Co moments in a polycrystalline permalloy/CoO exchange-biased bilayer. Physical Review B, 2008, 78, .	1.1	33
16	Refining the exchange anisotropy paradigm: Magnetic and microstructural heterogeneity at the Permalloy-CoO interface. Physical Review B, 2010, 81, .	1.1	33
17	Structural characterization of thin film ferromagnetic tunnel junctions. Journal of Applied Physics, 1998, 83, 5154-5158.	1.1	32
18	Evidence of modified ferromagnetism at a buried Permalloy/CoO interface at room temperature. Physical Review B, 2007, 75, .	1.1	25

#	ARTICLE	IF	CITATIONS
19	Enhancement in partially reduced $\hat{3}\hat{a}\hat{e}\text{Fe}_2\text{O}_3$ via surface treatment with sodium polyphosphate (revisited). <i>Journal of Applied Physics</i> , 1991, 69, 4475-4477.	1.1	23
20	Nuclear magnetic resonance investigations of Co nanoclusters in a $\text{SiO}_2$ thin film matrix. <i>Journal of Applied Physics</i> , 1997, 81, 5549-5551.	1.1	16
21	Dependence of giant magnetoresistance on film thickness in heterogeneous $\text{Co}\hat{e}\text{Ag}$ alloys. <i>Journal of Applied Physics</i> , 1994, 75, 6912-6914.	1.1	15
22	The trade-off between large magnetoresistance and small coercivity in symmetric spin valves. <i>Journal of Applied Physics</i> , 1996, 79, 8603-8606.	1.1	15
23	Combination high-sensitivity alternating current susceptometer and high-frequency $\text{B}\hat{e}\text{H}$ loop. <i>Review of Scientific Instruments</i> , 1996, 67, 2871-2876.	0.6	9
24	Do ballistic channels contribute to the magnetoresistance in magnetic tunnel junctions?. <i>Applied Physics Letters</i> , 2002, 80, 285-287.	1.5	8
25	Nonswitchable magnetic moments in polycrystalline and (111)-epitaxial permalloy/CoO exchange-biased bilayers. <i>Physical Review B</i> , 2014, 89, .	1.1	8
26	Superconducting tunneling as a probe of sputtered oxide barriers. <i>Applied Physics Letters</i> , 1999, 75, 127-129.	1.5	7
27	Preparation and properties of noninteracting spherical magnetic particles. <i>Journal of Applied Physics</i> , 1991, 69, 5127-5129.	1.1	6
28	Exchange bias mediated by interfacial nanoparticles (invited). <i>Journal of Applied Physics</i> , 2015, 117, 172607.	1.1	5
29	Magnetic and Structural Properties of Granular Iron-Silicon Dioxide Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1990, 195, 445.	0.1	4
30	Anomalous Behavior in Spin Dependent Tunnel Junctions. <i>Materials Research Society Symposia Proceedings</i> , 1997, 475, 545.	0.1	1
31	Exchange-biasing asymmetric spin valves using a pulsed current. <i>Applied Physics Letters</i> , 1999, 75, 250-252.	1.5	1