

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

33
g-index

34
all docs

34
docs citations

34
times ranked

2598
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange bias mediated by interfacial nanoparticles (invited). Journal of Applied Physics, 2015, 117, 172607.	1.1	5
2	Nonswitchable magnetic moments in polycrystalline and (111)-epitaxial permalloy/CoO exchange-biased bilayers. Physical Review B, 2014, 89, .	1.1	8
3	Refining the exchange anisotropy paradigm: Magnetic and microstructural heterogeneity at the Permalloy-CoO interface. Physical Review B, 2010, 81, .	1.1	33
4	Antiferromagnetic MnO nanoparticles with ferrimagnetic Mn_3O_4 shells: Doubly inverted core-shell system. Physical Review B, 2008, 77, .	1.1	131
5	Pinned Co moments in a polycrystalline permalloy/CoO exchange-biased bilayer. Physical Review B, 2008, 78, .	1.1	33
6	Evidence of modified ferromagnetism at a buried Permalloy/CoO interface at room temperature. Physical Review B, 2007, 75, .	1.1	25
7	Spark-eroded particles: Influence of processing parameters. Journal of Applied Physics, 2004, 95, 823-829.	1.1	68
8	Finite size effects on the moment and ordering temperature in antiferromagnetic CoO layers. Physical Review B, 2003, 67, .	1.1	85
9	Do ballistic channels contribute to the magnetoresistance in magnetic tunnel junctions?. Applied Physics Letters, 2002, 80, 285-287.	1.5	8
10	Exchange-biasing asymmetric spin valves using a pulsed current. Applied Physics Letters, 1999, 75, 250-252.	1.5	1
11	Superconducting tunneling as a probe of sputtered oxide barriers. Applied Physics Letters, 1999, 75, 127-129.	1.5	7
12	Structural characterization of thin film ferromagnetic tunnel junctions. Journal of Applied Physics, 1998, 83, 5154-5158.	1.1	32
13	Oxygen as a surfactant in the growth of giant magnetoresistance spin valves. Journal of Applied Physics, 1997, 82, 6142-6151.	1.1	193
14	Spin-polarized tunneling in discontinuous CoFe/HfO ₂ multilayers. Journal of Applied Physics, 1997, 81, 5512-5514.	1.1	66
15	Nuclear magnetic resonance investigations of Co nanoclusters in a SiO ₂ thin film matrix. Journal of Applied Physics, 1997, 81, 5549-5551.	1.1	16
16	Anomalous Behavior in Spin Dependent Tunnel Junctions. Materials Research Society Symposia Proceedings, 1997, 475, 545.	0.1	1
17	Finite Size Effects in Antiferromagnetic NiO Nanoparticles. Physical Review Letters, 1997, 79, 1393-1396.	2.9	815
18	Interfacial Uncompensated Antiferromagnetic Spins: Role in Unidirectional Anisotropy in Polycrystalline Ni ₈₁ Fe ₁₉ /CoO Bilayers. Physical Review Letters, 1997, 79, 1130-1133.	2.9	476

#	ARTICLE	IF	CITATIONS
19	Spin-dependent tunneling in HfO ₂ tunnel junctions. Applied Physics Letters, 1996, 69, 2291-2293.	1.5	109
20	Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices. Physical Review Letters, 1996, 77, 3451-3454.	2.9	111
21	Combination high-sensitivity alternating current susceptometer and high-frequency B-H loop. Review of Scientific Instruments, 1996, 67, 2871-2876.	0.6	9
22	Growth of giant magnetoresistance spin valves using Pb and Au as surfactants. Journal of Applied Physics, 1996, 80, 5183-5191.	1.1	61
23	The trade-off between large magnetoresistance and small coercivity in symmetric spin valves. Journal of Applied Physics, 1996, 79, 8603-8606.	1.1	15
24	Dependence of giant magnetoresistance on film thickness in heterogeneous Co-Ag alloys. Journal of Applied Physics, 1994, 75, 6912-6914.	1.1	15
25	Co-NiO superlattices: Interlayer interactions and exchange anisotropy with Ni ₈₁ Fe ₁₉ (invited). Journal of Applied Physics, 1993, 73, 6892-6897.	1.1	89
26	Exchange anisotropy in coupled films of Ni ₈₁ Fe ₁₉ with NiO and Co _x Ni _{1-x} O. Applied Physics Letters, 1992, 60, 3060-3062.	1.5	210
27	Giant magnetoresistance in heterogeneous AgCo alloy films. Applied Physics Letters, 1992, 61, 2935-2937.	1.5	80
28	Preparation and properties of noninteracting spherical magnetic particles. Journal of Applied Physics, 1991, 69, 5127-5129.	1.1	6
29	Enhancement in partially reduced γ -Fe ₂ O ₃ via surface treatment with sodium polyphosphate (revisited). Journal of Applied Physics, 1991, 69, 4475-4477.	1.1	23
30	Preparation and structural characterization of sputtered Co _{0.5} Ni _{0.5} O thin epitaxial films. Journal of Materials Research, 1991, 6, 2680-2687.	1.2	51
31	Magnetic and Structural Properties of Granular Iron-Silicon Dioxide Thin Films. Materials Research Society Symposia Proceedings, 1990, 195, 445.	0.1	4