

Dieter Weller

List of Publications by Year in descending order

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14
papers

7,072
citations

759233

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h-index

996975

15
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15
all docs

15
docs citations

15
times ranked

8675
citing authors

#	ARTICLE	IF	CITATIONS
1	L1 ₀ FePtX-Y media for heat-assisted magnetic recording. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1245-1260.	1.8	186
2	Identifying growth mechanisms for laser-induced magnetization in FeRh. Physical Review B, 2006, 73, .	3.2	37
3	Reduction of Sintering during Annealing of FePt Nanoparticles Coated with Iron Oxide. Chemistry of Materials, 2005, 17, 620-625.	6.7	113
4	Toward the direct deposition of L10 FePt nanoparticles. Journal of Applied Physics, 2005, 97, 10J319.	2.5	26
5	Dip-coating of FePt nanoparticle films: surfactant effects. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1349-E1351.	2.3	26
6	Ultrafast Generation of Ferromagnetic Order via a Laser-Induced Phase Transformation in FeRh Thin Films. Physical Review Letters, 2004, 93, 197403.	7.8	206
7	Polyol Process Synthesis of Monodispersed FePt Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 6121-6123.	2.6	147
8	Oxidation of FePt nanoparticles. Journal of Magnetism and Magnetic Materials, 2003, 266, 96-101.	2.3	41
9	FTIR study of surfactant bonding to FePt nanoparticles. Journal of Magnetism and Magnetic Materials, 2003, 266, 178-184.	2.3	251
10	Crystallographic ordering studies of FePt nanoparticles by HREM. Journal of Magnetism and Magnetic Materials, 2003, 266, 215-226.	2.3	24
11	Thermal Effects in High-Density Recording Media. Springer Series in Surface Sciences, 2001, , 144-173.	0.3	4
12	Self-Assembled Magnetic Nanoparticle Arrays. Springer Series in Surface Sciences, 2001, , 249-276.	0.3	11
13	Monodisperse FePt Nanoparticles and Ferromagnetic FePt Nanocrystal Superlattices. Science, 2000, 287, 1989-1992.	12.6	5,769
14	Extremely High-Density Longitudinal Magnetic Recording Media. Annual Review of Materials Research, 2000, 30, 611-644.	5.5	227