Dieter Weller

List of Publications by Year
in descending order

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14	7,072	759233 12	996975 15
papers	citations	h-index	g-index

15	15	15	8675
all docs	docs citations	times ranked	citing authors

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