

# Mohammad El-Hilo

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,556  
citations

361413

20  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Susceptibility phenomena in a fine particle system. Journal of Magnetism and Magnetic Materials, 1992, 114, 295-306.	2.3	161
2	A model of interaction effects in granular magnetic solids. Journal of Applied Physics, 1998, 84, 5114-5122.	2.5	161
3	Determination of $f_0$ for fine magnetic particles. Journal of Magnetism and Magnetic Materials, 1993, 125, 345-350.	2.3	132
4	Ferromagnetic nanocrystalline Gd-doped ZnO powder synthesized by coprecipitation. Journal of Applied Physics, 2010, 107, .	2.5	111
5	Room temperature ferromagnetism in nanocrystalline Ni-doped ZnO synthesized by co-precipitation. Journal of Magnetism and Magnetic Materials, 2009, 321, 2279-2283.	2.3	104
6	The observation of multi-axial anisotropy in ultrafine cobalt ferrite particles used in magnetic fluids. Journal of Magnetism and Magnetic Materials, 1995, 149, 14-18.	2.3	100
7	The characterisation of interaction effects in fine particle systems. IEEE Transactions on Magnetics, 1993, 29, 2608-2613.	2.1	94
8	Susceptibility phenomena in a fine particle system. Journal of Magnetism and Magnetic Materials, 1992, 114, 307-313.	2.3	79
9	Structural and magnetic properties of Mn-doped ZnO powders. Journal of Magnetism and Magnetic Materials, 2011, 323, 2202-2205.	2.3	73
10	The sweep rate dependence of coercivity in recording media. Journal of Magnetism and Magnetic Materials, 1992, 117, L307-L310.	2.3	67
11	The ordering temperature in fine particle systems. Journal of Magnetism and Magnetic Materials, 1992, 117, 21-28.	2.3	67
12	Models of slow relaxation in particulate and thin film materials (invited). Journal of Applied Physics, 1994, 76, 6407-6412.	2.5	58
13	Structural, optical and magnetic characterizations of Mn-doped MgO nanoparticles. Materials Chemistry and Physics, 2014, 143, 1500-1507.	4.0	54
14	The origin of non-linear $\ln(t)$ behaviour in the time dependence of magnetisation. Journal of Magnetism and Magnetic Materials, 1992, 109, L164-L168.	2.3	53
15	Structural and magnetic properties of Mn-doped ZnO nanocrystals. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 107-112.	2.7	52
16	Superparamagnetism in fine particle dispersions. Journal of Magnetism and Magnetic Materials, 1993, 122, 129-133.	2.3	47
17	The effect of interactions on GMR in granular solids. Journal of Applied Physics, 1994, 76, 6811-6813.	2.5	40
18	Revealing a room temperature ferromagnetism in cadmium oxide nanoparticles: an experimental and first-principles study. RSC Advances, 2015, 5, 33233-33238.	3.6	39

#	ARTICLE	IF	CITATIONS
19	Magnetic properties of barium hexaferrite powders. Journal of Magnetism and Magnetic Materials, 1994, 129, 339-347.	2.3	38
20	Magnetic interactions in Co <sup>2+</sup> doped ZnO synthesised by co-precipitation method: Efficient effect of hydrogenation on the long-range ferromagnetic order. Journal of Magnetism and Magnetic Materials, 2019, 482, 125-134.	2.3	26