

Salah A Makhlouf

List of Publications by Year in descending order

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51
papers

3,242
citations

236925

25
h-index

197818

49
g-index

51
all docs

51
docs citations

51
times ranked

3586
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite Size Effects in Antiferromagnetic NiO Nanoparticles. <i>Physical Review Letters</i> , 1997, 79, 1393-1396.	7.8	815
2	Magnetic anomalies in NiO nanoparticles. <i>Journal of Applied Physics</i> , 1997, 81, 5561-5563.	2.5	333
3	Magnetic hysteresis anomalies in ferritin. <i>Physical Review B</i> , 1997, 55, R14717-R14720.	3.2	225
4	Magnetic properties of Co ₃ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 246, 184-190.	2.3	213
5	Anomalous properties of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 591-594.	2.3	169
6	Structural, electrical and optical properties of Co ₃ O ₄ nanoparticles. <i>Superlattices and Microstructures</i> , 2013, 64, 107-117.	3.1	143
7	Co ₃ O ₄ /SiO ₂ nanocomposites for supercapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2505-2512.	2.5	103
8	Particle size and temperature dependence of exchange bias in NiO nanoparticles. <i>Solid State Communications</i> , 2008, 145, 1-4.	1.9	92
9	Enhancement of adsorption efficiency of methylene blue on Co ₃ O ₄ /SiO ₂ nanocomposite. <i>Desalination and Water Treatment</i> , 2015, 53, 2980-2989.	1.0	88
10	Particle size-dependent electrical properties of nanocrystalline NiO. <i>Journal of Materials Science</i> , 2009, 44, 3438-3444.	3.7	72
11	Structural, optical and electrical properties of sol-gel prepared mesoporous Co ₃ O ₄ /SiO ₂ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2013, 579, 606-611.	5.5	72
12	Mössbauer and magnetization studies of nickel ferrite nanoparticles synthesized by the microwave-combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 343, 21-26.	2.3	66
13	Electron spin resonance study of NiO antiferromagnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 234, 289-293.	2.3	64
14	Cobalt/silica nanocomposite via thermal calcination-reduction of gel precursors. <i>Materials Chemistry and Physics</i> , 2011, 128, 70-76.	4.0	64
15	Structural, morphological and electrical properties of Cr ₂ O ₃ nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 337-343.	3.5	60
16	Magnetic properties of Cr ₂ O ₃ Nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1530-1532.	2.3	56
17	HUMIDITY SENSING PROPERTIES OF COBALT OXIDE/SILICA NANOCOMPOSITES PREPARED VIA SOL-GEL AND RELATED ROUTES. <i>Nano</i> , 2012, 07, 1250038.	1.0	48
18	Humidity sensing properties of NiO/Al ₂ O ₃ nanocomposite materials. <i>Solid State Ionics</i> , 2003, 164, 97-106.	2.7	42

#	ARTICLE	IF	CITATIONS
19	Synthesis of highly ordered 30nm NiFe ₂ O ₄ particles by the microwave-combustion method. Journal of Magnetism and Magnetic Materials, 2014, 369, 55-61.	2.3	39
20	Electrical properties of NiO films obtained by high-temperature oxidation of nickel. Thin Solid Films, 2008, 516, 3112-3116.	1.8	37
21	Structural and magnetic properties of non-equilibrium b.c.c. nickel prepared by leaching of mechanically alloyed Ni ₃₅ Al ₆₅ . Journal of Alloys and Compounds, 1992, 185, 25-34.	5.5	35
22	Giant magnetoresistance of Fe-cluster-dispersed Ag films. Journal of Magnetism and Magnetic Materials, 1993, 126, 485-488.	2.3	35
23	High surface area thermally stabilized porous iron oxide/silica nanocomposites via a formamide modified sol-gel process. Applied Surface Science, 2008, 254, 3767-3773.	6.1	34
24	Structural and magnetic properties of nanocrystalline b.c.c. cobalt particles obtained by leaching of mechanically alloyed Co-Al. Journal of Alloys and Compounds, 1992, 189, 117-121.	5.5	27
25	Dielectric behavior and ac conductivity study of NiO-Al ₂ O ₃ nanocomposites in humid atmosphere. Journal of Applied Physics, 2006, 100, 094323.	2.5	27
26	Mössbauer Study on Nonequilibrium Disordered Fe-Al Alloys Produced by DC Sputtering. Journal of the Physical Society of Japan, 1991, 60, 3537-3542.	1.6	23
27	Structure and magnetic properties of FeAl _{1-x} Rh _x alloys. Journal of Magnetism and Magnetic Materials, 1994, 135, 257-264.	2.3	23
28	Temperature dependence of magnetic resonance in NiO nanoparticles. Journal of Applied Physics, 2003, 93, 7382-7384.	2.5	21
29	Role of Cu ²⁺ substitution on the structural and magnetic properties of Ni-ferrite nanoparticles synthesized by the microwave-combustion method. Ceramics International, 2015, 41, 11264-11271.	4.8	21
30	Characteristic High-Field Dependence and Composition Variation of Giant Magnetoresistance in Fe/Ag Granular Materials. Japanese Journal of Applied Physics, 1994, 33, 1323-1326.	1.5	20
31	Humidity sensing properties of porous iron oxide/silica nanocomposite prepared via a formamide modified sol-gel process. Sensors and Actuators A: Physical, 2008, 148, 39-43.	4.1	18
32	Formation of nominal Ni amorphous phase by mechanical milling and leaching. Journal of Alloys and Compounds, 1993, 199, 119-124.	5.5	15
33	A Mössbauer study of Fe clusters grown in Ag matrix. Nuclear Instruments & Methods in Physics Research B, 1993, 76, 197-198.	1.4	13
34	Nanometric structure of Fe clusters in Fe/Cu and Fe/Ag granular materials studied by EXAFS. Physica B: Condensed Matter, 1995, 208-209, 614-616.	2.7	13
35	Characteristic High-Field Dependence of Magnetoresistance in Fe/Ag Granular Thin Films Fabricated by Sputtering and Annealing. Japanese Journal of Applied Physics, 1994, 33, 4913-4918.	1.5	12
36	Metastable b.c.c. and amorphous Ni produced by mechanical alloying and chemical leaching. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 181-182, 1184-1189.	5.6	12

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37	Nanoscale structural evolution and associated changes in magnetoresistance in the granular FeAg ₁₀₀ thin films. <i>Journal of Applied Physics</i> , 1994, 76, 2969-2973.	2.5	11
38	Structural and magnetic evolution in granular Fe—Ag alloys produced by the cluster beam technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995, 31, 133-139.	3.5	11
39	Optical and Electrochemical Properties of Co ₃ O ₄ /SiO ₂ Nanocomposite. <i>Advanced Materials Research</i> , 0, 1133, 447-451.	0.3	11
40	Electrical Properties of Cobalt Oxide/Silica Nanocomposites Obtained by Sol-Gel Technique. <i>American Journal of Engineering and Applied Sciences</i> , 2016, 9, 12-16.	0.6	10
41	Extended X-Ray Absorption Fine Structure Study on Local Structure around Fe Atoms in Fe/Ag Granular Materials. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 4090-4093.	1.5	9
42	Formation of new metastable transition metal alloys by combination of mechanical alloying and chemical leaching. <i>Solid State Ionics</i> , 1993, 60, 299-304.	2.7	8
43	Hall effect in Fe—Ag granular alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 176, 164-168.	2.3	8
44	Nanoscale quasi-amorphous nickel produced by leaching sputter-deposited Ni ₂₅ Al ₇₅ alloy. <i>Journal of Alloys and Compounds</i> , 1992, 187, L1-L6.	5.5	7
45	Structural and magnetic properties of Fe—Ag granular material. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 179-180, 483-486.	5.6	6
46	Structural difference between Fe/Cu and Fe/Ag granular films produced by a cluster beam method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996, 217-218, 340-343.	5.6	3
47	Thermoelectric power in Fe-based granular alloys. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 11105-11110.	1.8	3
48	VARIABLE RANGE HOPPING CONDUCTION IN NiO/Al ₂ O ₃ NANOCOMPOSITES. <i>International Journal of Nanoscience</i> , 2005, 04, 163-169.	0.7	2
49	Fe-Cluster Structure in Giant Magnetoresistive Fe ₁₄ Ag ₈₆ Granular Thin Film. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L1327-L1330.	1.5	1
50	Magnetic properties of fcc (Co ₉₅ Fe ₅) _{1-x} Al _x ribbons. , 1999, 122, 223-231.		1
51	Structural and Magnetization Studies of Cobalt Ferrite Nanoparticles Synthesized by the Microwave-Combustion Method. <i>Current Analytical Chemistry</i> , 2018, 14, 641-645.	1.2	1