Hakan Kockar

List of Publications by Year
in descending order

112 papers	1,720 citations	257450 24 h-index	377865 34 g-index
113 all docs	113 docs citations	113 times ranked	1407 citing authors

#	Article	IF	Citations
1	Improvement of the saturation magnetization of PEG coated superparamagnetic iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2022, 551, 169140.	2.3	23
2	Improvement of the saturation magnetisation using Plackettâ€“Burman design and response surface methodology: superparamagnetic iron oxide nanoparticles synthesised by co-precipitation under nitrogen atmosphere. Journal of Materials Science: Materials in Electronics, 2021, 32, 13673-13684.	2.2	1
3	Evaluation of properties of sputtered Ni/Cu films with different thicknesses of the Cu layer. Thin Solid Films, 2021, 727, 138661.	1.8	7
4	Investigation of soft magnetic properties of Ni/Cu multilayer films: Definitive screening design and response surface methodology. Journal of Materials Science: Materials in Electronics, 2021, 32, 20955-20964.	2.2	3
5	Development of electrodeposited multilayer coatings: A review of fabrication, microstructure, properties and applications. Applied Surface Science Advances, 2021, 6, 100141.	6.8	33
6	Parametric Characterizations of Sputtered Fe/Al Multilayer Thin Films. Journal of Superconductivity and Novel Magnetism, 2020, 33, 463-472.	1.8	6
7	The effects of temperature and reaction time on the formation of manganese ferrite nanoparticles synthesized by hydrothermal method. Journal of Materials Science: Materials in Electronics, 2020, 31, 2567-2574.	2.2	16
8	Effect of l-ascorbic acid on electrochemically deposited FeCoCu/Cu magnetic multilayer granular films: structural, magnetic and magnetoresistance properties. Thin Solid Films, 2020, 709, 138180.	1.8	2
9	Single crystal martensitic phase of structural properties-related magnetic behaviour of FeCrNi thin films: in-plane magnetic anisotropy under different substrate rotation speeds. Journal of Materials Science: Materials in Electronics, 2020, 31, 12823-12829.	2.2	7
10	Development and Characterization of Superparamagnetic Nanomaterial to Determine Its Potential Application in Removing the Bitterness of Table Olives. Sensors and Materials, 2020, 32, 799.	0.5	0
11	Easy Controlled Properties of Quaternary FeNiCrCd Thin Films Deposited from a Single dc Magnetron Sputtering Under the Influence of Deposition Rate. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3535-3540.	1.8	6
12	Effect of NiFe layer thickness on properties of NiFe/Cu superlattices electrodeposited on titanium substrate. Journal of Materials Science: Materials in Electronics, 2019, 30, 17879-17889.	2.2	6
13	Optimization of Fe content in Electrodeposited FeCoCu/Cu magnetic multilayer. Thin Solid Films, 2019, 673, 7-13.	1.8	2
14	Total film thickness controlled structural and related magnetic properties of sputtered Ni/Cu multilayer thin films. Journal of Magnetism and Magnetic Materials, 2019, 478, 48-54.	2.3	12
15	Ternary FeCrNi martensitic thin films sputtered on a flexible substrate from a single AISI 304 austenitic stainless steel source: Effect of deposition rate on structural and magnetic properties. Journal of Magnetism and Magnetic Materials, 2019, 476, 597-603.	2.3	6
16	A simple way to synthesize tartaric acid, ascorbic acid and their mixture coated superparamagnetic iron oxide nanoparticles with high saturation magnetisation and high stability against oxidation: Characterizations and their biocompatibility studies. Journal of Magnetism and Magnetic Materials, 2019, 474, 654-660.	2.3	15
17	Superparamagnetic zinc ferrite: A correlation between high magnetizations and nanoparticle sizes as a function of reaction time via hydrothermal process. Journal of Magnetism and Magnetic Materials, 2019, 474, 282-286.	2.3	40
18	Effects of biocompatible surfactants on structural and corresponding magnetic properties of iron oxide nanoparticles coated by hydrothermal process. Journal of Magnetism and Magnetic Materials, 2019, 474, 332-336.	2.3	18

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19	Characterizations of Binary FeCr (AISI 430) Thin Films Deposited from a Single Magnetron Sputtering Under Easy Controllable Deposition Parameters. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2457-2465.	1.8	10
20	The influence of synthesis parameters on one-step synthesized superparamagnetic cobalt ferrite nanoparticles with high saturation magnetization. Journal of Magnetism and Magnetic Materials, 2019, 473, 262-267.	2.3	69
21	Optimisation of saturation magnetisation of iron nanoparticles synthesized by hydrogen reduction: Taguchi technique, response surface method, and multiple linear and quadratic regression analyses. Journal of Magnetism and Magnetic Materials, 2019, 473, 190-197.	2.3	9
22	The Role of Wheel Surface Quality on Structural and Hard Magnetic Properties of Ndâ€“Feâ€“B Permanent Magnet Powders. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3025-3041.	1.8	6
23	Electrochemical Deposition of CoCu/Cu Multilayers: Structural and Magnetic Properties as a Function of Non-magnetic Layer Thickness. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 127-133.	1.5	4
24	Electrochemical, Structural and Magnetic Analysis of Electrodeposited CoCu/Cu Multilayers: Influence of Cu Layer Deposition Potential. Journal of Electronic Materials, 2018, 47, 1896-1903.	2.2	5
25	Giant Magnetoresistance in Electrochemical Deposited CoFe/Cu Multilayers Depending on Fe Concentration. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2195-2200.	1.8	6
26	Novel debittering process of green table olives: application of<i>Î²</i>-glucosidase bound onto superparamagnetic nanoparticles. CYTA - Journal of Food, 2018, 16, 840-847.	1.9	4
27	Simple electrodepositing of CoFe/Cu multilayers: Effect of ferromagnetic layer thicknesses. Journal of Magnetism and Magnetic Materials, 2017, 421, 472-476.	2.3	25
28	2D Magnetic Texture Analysis of Coâ€“Cu Films. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 449-455.	1.5	1
29	Facile electrodeposition CoCu/Cu multilayers: deposition potentials for magnetic layers. Journal of Materials Science, 2017, 52, 3368-3374.	3.7	6
30	Giant magnetoresistance (GMR) behavior of electrodeposited NiFe/Cu multilayers: Dependence of non-magnetic and magnetic layer thicknesses. Journal of Magnetism and Magnetic Materials, 2017, 444, 132-139.	2.3	21
31	Impact of Deposition Rate on the Structural and Magnetic Properties of Sputtered Ni/Cu Multilayer Thin Films. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 73, 85-90.	1.5	9
32	A Facile Method to Synthesize Nickel Ferrite Nanoparticles: Parameter Effect. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2359-2369.	1.8	13
33	A Simple Method of Synthesis and Characterizations of Oleate-Coated Iron Oxide Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2023-2027.	1.8	11
34	A simple way to obtain high saturation magnetization for superparamagnetic iron oxide nanoparticles synthesized in air atmosphere: Optimization by experimental design. Journal of Magnetism and Magnetic Materials, 2016, 409, 116-123.	2.3	40
35	Magnetoresistance behaviour in CoFe/Cu multilayers: thin Cu layer effect. Journal of Materials Science: Materials in Electronics, 2016, 27, 10059-10064.	2.2	9
36	Electrodeposition and Characterization of Co/Cu Multilayers. Acta Physica Polonica A, 2016, 129, 773-775.	0.5	3

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37	Properties of electrodeposited Coâ€“Mn films: Influence of deposition parameters. Applied Surface Science, 2015, 358, 605-611.	6.1	10
38	The effect of ferromagnetic and non-ferromagnetic layer thicknesses on the electrodeposited CoFe/Cu multilayers. Journal of Materials Science: Materials in Electronics, 2015, 26, 2411-2417.	2.2	19
39	Electrodeposited CoFeCu films at high and low pH levels: structural and magnetic properties. Journal of Materials Science: Materials in Electronics, 2015, 26, 2090-2094.	2.2	3
40	Characterizations of Electrodeposited NiCoFe Ternary Alloys: Influence of deposition potential. Journal of Materials Science: Materials in Electronics, 2015, 26, 4046-4050.	2.2	8
41	A study on total thickness dependency: microstructural, magnetoresistance and magnetic properties of electrochemically deposited permalloy based multilayers. Journal of Materials Science: Materials in Electronics, 2015, 26, 5009-5013.	2.2	4
42	Relation between ferromagnetic layer thickness (NiCu) and properties of NiCu/Cu multilayers. Journal of Materials Science: Materials in Electronics, 2015, 26, 5014-5021.	2.2	5
43	Superparamagnetic Cobalt Ferrite Nanoparticles: Effect of Temperature and Base Concentration. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1021-1027.	1.8	33
44	Change in planar hall effect ratio of Niâ€“Co films produced by electrodeposition. Journal of Magnetism and Magnetic Materials, 2015, 373, 115-119.	2.3	2
45	Characterizations of FeCl/Cu superlattices sputtered at low and high deposition rates of ferromagnetic layer. Journal of Magnetism and Magnetic Materials, 2015, 373, 124-127.	2.3	5
46	Properties of electrodeposited CoFe/Cu multilayers: The effect of Cu layer thickness. Journal of Magnetism and Magnetic Materials, 2015, 373, 128-131.	2.3	24
47	Growth and characterizations of magnetic nanoparticles under hydrothermal conditions: Reaction time and temperature. Journal of Magnetism and Magnetic Materials, 2015, 373, 213-216.	2.3	52
48	Electrodeposited NiFeCu/Cu multilayers: Effect of Fe ion concentration on properties. Journal of Magnetism and Magnetic Materials, 2015, 373, 135-139.	2.3	13
49	Growth of Iron Oxide Nanoparticles by Hydrothermal Process: Effect of Reaction Parameters on the Nanoparticle Size. Journal of Superconductivity and Novel Magnetism, 2015, 28, 823-829.	1.8	84
50	Growth of binary Niâ€“Fe films: Characterisations at low and high potential levels. Journal of Magnetism and Magnetic Materials, 2015, 377, 59-64.	2.3	25
51	Microstructure dependence of magnetic properties on electrochemically produced ternary CuCoNi alloys. Journal of Materials Science: Materials in Electronics, 2014, 25, 4483-4488.	2.2	3
52	Study of Electrolyte pH in Production of Cuâ€“Coâ€“Ni Ternary Alloys and Its Effect on Microstructural and Magnetic Properties. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	8
53	Electrodeposited NiCoFe films from electrolytes with different Fe ion concentrations. Journal of Magnetism and Magnetic Materials, 2014, 360, 148-151.	2.3	15
54	Characterisations of CoFeCu films: Influence of Fe concentration. Journal of Alloys and Compounds, 2014, 586, S326-S330.	5.5	21

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55	Use of triethylene glycol monobutyl ether in synthesis of iron oxide nanoparticles. Journal of Magnetism and Magnetic Materials, 2014, 361, 249-254.	2.3	4
56	Parametric characterizations in superparamagnetic latex. Bulletin of Materials Science, 2014, 37, 389-396.	1.7	0
57	Characterizations of NiCu/Cu Multilayers: Dependence of Nonmagnetic Layer Thickness. Journal of Superconductivity and Novel Magnetism, 2013, 26, 779-784.	1.8	12
58	Properties of Electrodeposited CoFeNi/Cu Superlattices: The Effect of CoFeNi and Cu Layers Thicknesses. Journal of Superconductivity and Novel Magnetism, 2013, 26, 813-817.	1.8	6
59	Giant Magnetoresistance and Magnetic Properties of CoFe/Cu Multilayer Films: Dependence of Electrolyte pH. Journal of Superconductivity and Novel Magnetism, 2013, 26, 825-829.	1.8	17
60	Scanning of nickel sulfamate concentration in electrodeposition bath used for production of Niâ€“Co alloys. Journal of Materials Science: Materials in Electronics, 2013, 24, 3376-3381.	2.2	6
61	Influence of deposition potential on the electrodeposited Ternary CoFeCu films. Journal of Materials Science: Materials in Electronics, 2013, 24, 2562-2567.	2.2	5
62	Reduction and characterizations of iron particles: influence of reduction parameters. Journal of Materials Science: Materials in Electronics, 2013, 24, 2602-2609.	2.2	2
63	Differences observed in properties of ternary NiCoFe films electrodeposited at low and high pH. Journal of Materials Science: Materials in Electronics, 2013, 24, 1961-1965.	2.2	9
64	Superparamagnetic iron oxide nanoparticles: effect of iron oleate precursors obtained with a simple way. Journal of Materials Science: Materials in Electronics, 2013, 24, 3073-3080.	2.2	27
65	Electrodeposited Coâ€“Ni Films: Electrolyte pHâ€"Property Relationships. Journal of Superconductivity and Novel Magnetism, 2013, 26, 651-655.	1.8	9
66	Effect of Co and Cu Layer Thicknesses on Characterization of Electrodeposited Co/Cu Multilayers. Sensor Letters, 2013, 11, 106-109.	0.4	4
67	Effect of Synthesis Parameters on the Properties of Superparamagnetic Iron Oxide Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2777-2781.	1.8	31
68	Magnetic Characterizations of Cobalt Oxide Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2783-2787.	1.8	31
69	Electrodeposited Niâ€“Co films from electrolytes with different Co contents. Applied Surface Science, 2012, 258, 4005-4010.	6.1	62
70	Effect of film thickness on properties of electrodeposited Niâ€“Co films. Applied Surface Science, 2012, 258, 5046-5051.	6.1	30
71	Influence of Co:Cu ratio on properties of Coâ€“Cu films deposited at different conditions. Journal of Magnetism and Magnetic Materials, 2012, 324, 3834-3838.	2.3	12
72	Electrical properties of Poly(ethylene glycol dimethacrylate-n-vinyl imidazole)/Single Walled Carbon Nanotubes/n-Si Schottky diodes formed by surface polymerization of Single Walled Carbon Nanotubes. Thin Solid Films, 2012, 520, 2106-2109.	1.8	5

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73	Iron Oxide Nanoparticles Co-Precipitated in Air Environment: Effect of [Fe^{+2}]/[Fe^{+3}] Ratio. IEEE Transactions on Magnetics, 2012, 48, 1532-1536.	2.1	29
74	Properties of Iron Oxide Nanoparticles Synthesized atÂDifferentÂTemperatures. Journal of Superconductivity and Novel Magnetism, 2011, 24, 675-678.	1.8	10
75	Electrodeposited Cobalt Films: Alteration Caused by the Electrolyte pH. Journal of Superconductivity and Novel Magnetism, 2011, 24, 801-804.	1.8	12
76	Superparamagnetic latex synthesized by a new route of emulsifierâ€free emulsion polymerization. Journal of Applied Polymer Science, 2011, 121, 2264-2272.	2.6	9
77	The effect of different chemical compositions caused by the variation of deposition potential on properties of Niâ€“Co films. Applied Surface Science, 2011, 257, 3632-3635.	6.1	28
78	Dependence of Magnetoresistance in Electrodeposited CoNiCu/Cu Multilayers on Ni Composition. ECS Transactions, 2010, 25, 87-95.	0.5	2
79	The Effect of Fe Content in Electrodeposited CoFe/Cu Multilayers on Structural, Magnetic and Magnetoresistance Characterizations. Journal of Nanoscience and Nanotechnology, 2010, 10, 7783-7786.	0.9	23
80	Paraoxonase 1-Bound Magnetic Nanoparticles: Preparation and Characterizations. Journal of Nanoscience and Nanotechnology, 2010, 10, 7554-7559.	0.9	5
81	Determination of Texture Orientation Related Magnetic Properties of Nickel-Cobalt Films. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 342-346.	1.5	3
82	Emulsifier-free emulsion polymerization of methyl methacrylate containing hydrophilic magnetite nanoparticles. Macromolecular Research, 2010, 18, 1154-1159.	2.4	12
83	Properties of Coâ€“Fe Films: Dependence of Cathode Potentials. IEEE Transactions on Magnetics, 2010, 46, 390-392.	2.1	21
84	Composition Dependence of Structural and Magnetic Properties of Electrodeposited Co-Cu Films. IEEE Transactions on Magnetics, 2010, 46, 3973-3977.	2.1	10
85	A Simple Way to Synthesize Superparamagnetic Iron Oxide Nanoparticles in Air Atmosphere: Iron Ion Concentration Effect. IEEE Transactions on Magnetics, 2010, 46, 3978-3983.	2.1	72
86	Role of electrolyte pH on structural and magnetic properties of Coâ€“Fe films. Journal of Magnetism and Magnetic Materials, 2010, 322, 1095-1097.	2.3	33
87	Characterisations of CoCu films electrodeposited at different cathode potentials. Journal of Magnetism and Magnetic Materials, 2010, 322, 1098-1101.	2.3	27
88	Contribution of electrolyte pH and deposition potentials to the magnetic anisotropy of electrodeposited nickel films. Journal of Magnetism and Magnetic Materials, 2010, 322, 1088-1091.	2.3	3
89	A new example of the diffusion-limited aggregation: Niâ€“Cu film patterns. Applied Surface Science, 2010, 256, 2995-2999.	6.1	28
90	A Numeric Application Using Diffusion Limited Aggregation Model for the Manganese Dendrites. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 777-780.	1.5	6

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91	Coâ€“Fe Films: Effect of Fe Content on Their Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 7639-7642.	0.9	10
92	Magnetoresistance of CoNiCu/Cu Multilayers Electrodeposited from Electrolytes with Different Ni Ion Concentrations. Journal of the Electrochemical Society, 2010, 157, D538.	2.9	14
93	Electrochemical production of Fe-Cu films: determination of the deposition potentials and their effect on microstructural and magnetic properties. EPJ Applied Physics, 2009, 48, 30504.	0.7	7
94	Influence of Deposition Parameters of Novel Vacuum Coating Plant on Evaporated Ni₆₀Fe₄₀ and Ni₈₀Fe₂₀ Films. Sensor Letters, 2009, 7, 220-223.	0.4	8
95	The Role of Cu Content on Properties of Electrodeposited Fe-Cu Films. Sensor Letters, 2009, 7, 255-258.	0.4	7
96	Comparison of Niâ€“Cu alloy films electrodeposited at low and high pH levels. Journal of Alloys and Compounds, 2008, 453, 15-19.	5.5	78
97	Growth and Characterisation of Electrodeposited Co/Cu Superlattices. Journal of Nanoscience and Nanotechnology, 2008, 8, 854-860.	0.9	16
98	Magnetic anisotropy and its thickness dependence for NiFe alloy films electrodeposited on polycrystalline Cu substrates. Journal of Magnetism and Magnetic Materials, 2006, 304, e736-e738.	2.3	26
99	Influence of deposition potentials applied in continuous and pulse waveforms on magnetic properties of electrodeposited nickelâ€“iron films. Sensors and Actuators A: Physical, 2006, 129, 184-187.	4.1	12
100	Production and characterisations of thin films deposited by a novel vacuum coating plant (VCP). Sensors and Actuators A: Physical, 2006, 129, 188-191.	4.1	7
101	Parameters affecting microstructure and magnetoresistance of electrodeposited Coâ€“Cu alloy films. Journal of Magnetism and Magnetic Materials, 2006, 304, e784-e786.	2.3	23
102	Uniaxial in-plane magnetic anisotropy in silicon-iron films prepared using vacuum coating plant (VCP). EPJ Applied Physics, 2005, 30, 185-188.	0.7	6
103	The influence of deposition parameters on production of soft Fe $mathsf{_{81}}$Co $mathsf{_{13.5}}$Si $mathsf{_{3.5}}$C$mathsf{_{2}}$ and Fe $mathsf{_{67}}$Co $mathsf{_{18}}$Si$mathsf{_{1}}$B $mathsf{_{14}}$ films. European Physical Journal B, 2004, 39, 453-457.	1.5	2
104	Effect of potantiostatic waveforms on properties of electrodeposited NiFe alloy films. European Physical Journal B, 2004, 42, 497-501.	1.5	21
105	Rotation Speed-Induced Uniaxial In-Plane Anisotropy in Thin Films Deposited Onto a Rotating Substrate. Journal of Superconductivity and Novel Magnetism, 2004, 17, 531-536.	0.5	21
106	Magnetic characterization of siliconâ€“iron magnetic material produced by a novel rotating cryostat. Journal of Magnetism and Magnetic Materials, 2003, 254-255, 91-93.	2.3	4
107	The rotation and clamping effect on the magnetic properties of iron films deposited onto a rotating substrate. Physica B: Condensed Matter, 2002, 321, 124-128.	2.7	25
108	Characterisation of evaporated and laser-ablated 3% siliconâ€“iron. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 187-190.	2.3	12

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109	Factors affecting magnetic properties of evaporated iron films. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 183-186.	2.3	11
110	Investigation of deposition parameters and output functions, and production of low coercivity films. EPJ Applied Physics, 2002, 17, 209-214.	0.7	5
111	In-plane anisotropy and stress detection of films deposited by RC technique. European Physical Journal B, 2001, 24, 457-461.	1.5	11
112	Magnetic properties affected by structural properties of sputtered Ni/Cu multilayer films with different thicknesses of Ni layers. Korean Journal of Chemical Engineering, 0, , 1.	2.7	1