Hakan Kockar

List of Publications by Year in Descending Order

111 papers	1,301 citations	20 h-index	28 g-index
113 ext. papers	1,495 ext. citations	2.3 avg, IF	4.96 L-index

#	Paper	IF	Citations
111	Improvement of the saturation magnetization of PEG coated superparamagnetic iron oxide nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2022**, 551, 169140	2.8	1
110	Improvement of the saturation magnetisation using PlackettBurman 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	2.1	0
109	Evaluation of properties of sputtered Ni/Cu films with different thicknesses of the Cu layer. *Thin Solid Films*, **2021**, 727, 138661	2.2	3
108	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	2.1	0
107	Development of electrodeposited multilayer coatings: A review of fabrication, microstructure, properties and applications. *Applied Surface Science Advances*, **2021**, 6, 100141	2.6	7
106	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	2.2	2
105	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	2.1	0
104	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	2.1	5
103	Parametric Characterizations of Sputtered Fe/Al Multilayer Thin Films. *Journal of Superconductivity and Novel Magnetism*, **2020**, 33, 463-472	1.5	1
102	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	2.1	3
101	Optimization of Fe content in Electrodeposited FeCoCu/Cu magnetic multilayer. *Thin Solid Films*, **2019**, 673, 7-13	2.2	2
100	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	2.8	8
99	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	1.5	0
98	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	2.8	2
97	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*,	2.8	8
96	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	2.8	15
95	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	2.8	13

94	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	1.5	4
93	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	2.8	44
92	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	2.8	5
91	The Role of Wheel Surface Quality on Structural and Hard Magnetic Properties of NdFeB Permanent Magnet Powders. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 3025-3041	1.5	3
90	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	1.4	4
89	Electrochemical, Structural and Magnetic Analysis of Electrodeposited CoCu/Cu Multilayers: Influence of Cu Layer Deposition Potential. *Journal of Electronic Materials*, **2018**, 47, 1896-1903	1.9	5
88	Giant Magnetoresistance in Electrochemical Deposited CoFe/Cu Multilayers Depending on Fe Concentration. *Journal of Superconductivity and Novel Magnetism*, **2018**, 31, 2195-2200	1.5	5
87	Novel debittering process of green table olives: application of β-glucosidase bound onto superparamagnetic nanoparticles. *CYTA - Journal of Food*, **2018**, 16, 840-847	2.3	1
86	Simple electrodepositing of CoFe/Cu multilayers: Effect of ferromagnetic layer thicknesses. *Journal of Magnetism and Magnetic Materials*, **2017**, 421, 472-476	2.8	18
85	2D Magnetic Texture Analysis of CoCu Films. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2017**, 72, 449-455	1.4	1
84	Facile electrodeposition CoCu/Cu multilayers: deposition potentials for magnetic layers. *Journal of Materials Science*, **2017**, 52, 3368-3374	4.3	6
83	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	2.8	12
82	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	1.4	6
81	A Facile Method to Synthesize Nickel Ferrite Nanoparticles: Parameter Effect. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 2359-2369	1.5	6
80	A Simple Method of Synthesis and Characterizations of Oleate-Coated Iron Oxide Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 2023-2027	1.5	8
79	Magnetoresistance behaviour in CoFe/Cu multilayers: thin Cu layer effect. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 10059-10064	2.1	8
78	Electrodeposition and Characterization of Co/Cu Multilayers. *Acta Physica Polonica A*, **2016**, 129, 773-775	0.6	2
77	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	2.8	26

76	Electrodeposited CoFeCu films at high and low pH levels: structural and magnetic properties. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 2090-2094	2.1	3
75	Characterizations of Electrodeposited NiCoFe Ternary Alloys: Influence of deposition potential. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 4046-4050	2.1	7
74	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	2.1	2
73	Relation between ferromagnetic layer thickness (NiCu) and properties of NiCu/Cu multilayers. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 5014-5021	2.1	5
72	Superparamagnetic Cobalt Ferrite Nanoparticles: Effect of Temperature and Base Concentration. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 1021-1027	1.5	23
71	Change in planar hall effect ratio of NiCo films produced by electrodeposition. *Journal of Magnetism and Magnetic Materials*, **2015**, 373, 115-119	2.8	2
70	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	2.8	4
69	Properties of electrodeposited CoFe/Cu multilayers: The effect of Cu layer thickness. *Journal of Magnetism and Magnetic Materials*, **2015**, 373, 128-131	2.8	19
68	Growth and characterizations of magnetic nanoparticles under hydrothermal conditions: Reaction time and temperature. *Journal of Magnetism and Magnetic Materials*, **2015**, 373, 213-216	2.8	40
67	Electrodeposited NiFeCu/Cu multilayers: Effect of Fe ion concentration on properties. *Journal of Magnetism and Magnetic Materials*, **2015**, 373, 135-139	2.8	12
66	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	1.5	60
65	Growth of binary NiFe films: Characterisations at low and high potential levels. *Journal of Magnetism and Magnetic Materials*, **2015**, 377, 59-64	2.8	20
64	Properties of electrodeposited CoMn films: Influence of deposition parameters. *Applied Surface Science*, **2015**, 358, 605-611	6.7	7
63	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	2.1	17
62	Electrodeposited NiCoFe films from electrolytes with different Fe ion concentrations. *Journal of Magnetism and Magnetic Materials*, **2014**, 360, 148-151	2.8	11
61	Characterisations of CoFeCu films: Influence of Fe concentration. *Journal of Alloys and Compounds*, **2014**, 586, S326-S330	5.7	16
60	Use of triethylene glycol monobutyl ether in synthesis of iron oxide nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2014**, 361, 249-254	2.8	3
59	Parametric characterizations in superparamagnetic latex. *Bulletin of Materials Science*, **2014**, 37, 389-396	1.7	

58	Microstructure dependence of magnetic properties on electrochemically produced ternary CuCoNi alloys. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 4483-4488	2.1	1
57	Study of Electrolyte pH in Production of CuCoNi Ternary Alloys and Its Effect on Microstructural and Magnetic Properties. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	7
56	Characterizations of NiCu/Cu Multilayers: Dependence of Nonmagnetic Layer Thickness. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 779-784	1.5	10
55	Properties of Electrodeposited CoFeNi/Cu Superlattices: The Effect of CoFeNi and Cu Layers Thicknesses. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 813-817	1.5	6
54	Giant Magnetoresistance and Magnetic Properties of CoFe/Cu Multilayer Films: Dependence of Electrolyte pH. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 825-829	1.5	17
53	Scanning of nickel sulfamate concentration in electrodeposition bath used for production of NiCo alloys. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 3376-3381	2.1	5
52	Influence of deposition potential on the electrodeposited Ternary CoFeCu films. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 2562-2567	2.1	4
51	Reduction and characterizations of iron particles: influence of reduction parameters. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 2602-2609	2.1	2
50	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	2.1	7
49	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	2.1	17
48	Electrodeposited CoNi Films: Electrolyte pHProperty Relationships. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 651-655	1.5	9
47	Effect of Co and Cu Layer Thicknesses on Characterization of Electrodeposited Co/Cu Multilayers. *Sensor Letters*, **2013**, 11, 106-109	0.9	4
46	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	2.2	5
45	Iron Oxide Nanoparticles Co-Precipitated in Air Environment: Effect of [Fe $^{+2}$]/[Fe $^{+3}$] Ratio. *IEEE Transactions on Magnetics*, **2012**, 48, 1532-1536	2	23
44	Effect of Synthesis Parameters on the Properties of Superparamagnetic Iron Oxide Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2777-2781	1.5	26
43	Magnetic Characterizations of Cobalt Oxide Nanoparticles. *Journal of Superconductivity and Novel Magnetism*, **2012**, 25, 2783-2787	1.5	24
42	Electrodeposited NiCo films from electrolytes with different Co contents. *Applied Surface Science*, **2012**, 258, 4005-4010	6.7	50
41	Effect of film thickness on properties of electrodeposited NiCo films. *Applied Surface Science*, **2012**, 258, 5046-5051	6.7	25

40	Influence of Co:Cu ratio on properties of CoCu films deposited at different conditions. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3834-3838	2.8	10
39	Properties of Iron Oxide Nanoparticles Synthesized at Different Temperatures. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 675-678	1.5	9
38	Electrodeposited Cobalt Films: Alteration Caused by the Electrolyte pH. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 801-804	1.5	10
37	Superparamagnetic latex synthesized by a new route of emulsifier-free emulsion polymerization. *Journal of Applied Polymer Science*, **2011**, 121, 2264-2272	2.9	9
36	The effect of different chemical compositions caused by the variation of deposition potential on properties of NiCo films. *Applied Surface Science*, **2011**, 257, 3632-3635	6.7	25
35	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	1.4	4
34	Co-Fe films: effect of Fe content on their properties. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7639-42	1.3	10
33	Magnetoresistance of CoNiCu/Cu Multilayers Electrodeposited from Electrolytes with Different Ni Ion Concentrations. *Journal of the Electrochemical Society*, **2010**, 157, D538	3.9	14
32	The effect of Fe content in electrodeposited CoFe/Cu multilayers on structural, magnetic and magnetoresistance characterizations. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7783-6	1.3	19
31	Paraoxonase 1-bound magnetic nanoparticles: preparation and characterizations. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 7554-9	1.3	5
30	Determination of Texture Orientation Related Magnetic Properties of Nickel-Cobalt Films. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 342-346	1.4	3
29	Emulsifier-free emulsion polymerization of methyl methacrylate containing hydrophilic magnetite nanoparticles. *Macromolecular Research*, **2010**, 18, 1154-1159	1.9	12
28	Properties of CoFe Films: Dependence of Cathode Potentials. *IEEE Transactions on Magnetics*, **2010**, 46, 390-392	2	18
27	Composition Dependence of Structural and Magnetic Properties of Electrodeposited Co-Cu Films. *IEEE Transactions on Magnetics*, **2010**, 46, 3973-3977	2	10
26	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	65
25	Role of electrolyte pH on structural and magnetic properties of CoFe films. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1095-1097	2.8	25
24	Characterisations of CoCu films electrodeposited at different cathode potentials. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 1098-1101	2.8	26
23	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	2.8	2

22	A new example of the diffusion-limited aggregation: NiCu film patterns. *Applied Surface Science*, **2010**, 256, 2995-2999	6.7	26
21	Dependence of Magnetoresistance in Electrodeposited CoNiCu/Cu Multilayers on Ni Composition. *ECS Transactions*, **2009**, 25, 87-95	1	2
20	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	1.1	7
19	Influence of Deposition Parameters of Novel Vacuum Coating Plant on Evaporated Ni60Fe40 and Ni80Fe20 Films. *Sensor Letters*, **2009**, 7, 220-223	0.9	7
18	The Role of Cu Content on Properties of Electrodeposited Fe-Cu Films. *Sensor Letters*, **2009**, 7, 255-258	0.9	7
17	Comparison of NiCu alloy films electrodeposited at low and high pH levels. *Journal of Alloys and Compounds*, **2008**, 453, 15-19	5.7	71
16	Growth and characterisation of electrodeposited Co/Cu superlattices. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 854-60	1.3	15
15	Parameters affecting microstructure and magnetoresistance of electrodeposited CoCu alloy films. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e784-e786	2.8	21
14	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	2.8	20
13	Influence of deposition potentials applied in continuous and pulse waveforms on magnetic properties of electrodeposited nickeliron films. *Sensors and Actuators A: Physical*, **2006**, 129, 184-187	3.9	12
12	Production and characterisations of thin films deposited by a novel vacuum coating plant (VCP). *Sensors and Actuators A: Physical*, **2006**, 129, 188-191	3.9	7
11	Uniaxial in-plane magnetic anisotropy in silicon-iron films prepared using vacuum coating plant (VCP). *EPJ Applied Physics*, **2005**, 30, 185-188	1.1	5
10	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	1.2	2
9	Effect of potantiostatic waveforms on properties of electrodeposited NiFe alloy films. *European Physical Journal B*, **2004**, 42, 497-501	1.2	18
8	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		18
7	Magnetic characterization of siliconiron magnetic material produced by a novel rotating cryostat. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 91-93	2.8	4
6	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	2.8	21
5	Characterisation of evaporated and laser-ablated 3% siliconiron. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 187-190	2.8	10

4	Factors affecting magnetic properties of evaporated iron films. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 183-186	2.8	10
3	Investigation of deposition parameters and output functions, and production of low coercivity films. *EPJ Applied Physics*, **2002**, 17, 209-214	1.1	5
2	In-plane anisotropy and stress detection of films deposited by RC technique. *European Physical Journal B*, **2001**, 24, 457-461	1.2	10
1	Magnetic properties affected by structural properties of sputtered Ni/Cu multilayer films with different thicknesses of Ni layers. *Korean Journal of Chemical Engineering*,1	2.8	