Bekir Ã–zÃ§elik

List of Publications by Year
in descending order

100 papers	1,556 citations	304743 22 h-index	377865 34 g-index
100 all docs	100 docs citations	100 times ranked	793 citing authors

#	Article	IF	Citations
1	Magnetic and structural characterization of Nb3+-substituted CoFe2O4 nanoparticles. Ceramics International, 2019, 45, 8222-8232.	4.8	98
2	Effect of Nb3+ Substitution on the Structural, Magnetic, and Optical Properties of Co0.5Ni0.5Fe2O4 Nanoparticles. Nanomaterials, 2019, 9, 430.	4.1	86
3	The effect of Nb substitution on magnetic properties of BaFe12O19 nanohexaferrites. Ceramics International, 2019, 45, 1691-1697.	4.8	84
4	Structural, magnetic, optical properties and cation distribution of nanosized Ni0.3Cu0.3Zn0.4TmxFe2â^'xO4 (0.0â€‰â‰€â€‰xâ€‰â‰€0.10) spinel ferrites synthesized by ultrasound irradiation. Ultrasonics Sonochemistry, 2019, 57, 203-211.	8.2	81
5	Sonochemical synthesis of Eu3+ substituted CoFe2O4 nanoparticles and their structural, optical and magnetic properties. Ultrasonics Sonochemistry, 2019, 58, 104621.	8.2	77
6	Relationship Between Growth Speed, Microstructure, Mechanical and Electrical Properties in Bi-2212/Ag Textured Composites. Journal of Superconductivity and Novel Magnetism, 2012, 25, 799-804.	1.8	49
7	Structural, optical and magnetic properties of Tb3+ substituted Co nanoferrites prepared via sonochemical approach. Ceramics International, 2019, 45, 22538-22546.	4.8	45
8	Impact of Tm3+ and Tb3+ Rare Earth Cations Substitution on the Structure and Magnetic Parameters of Co-Ni Nanospinel Ferrite. Nanomaterials, 2020, 10, 2384.	4.1	42
9	(BaTiO₃)_{1â€x} + (Co_{0.5}Ni_{0.5}Nb_{0.06}Fe_{1.94}O₄)_x nanocomposites: Structure, morphology, magnetic and dielectric properties. Journal of the American Ceramic Society, 2021, 104, 5648-5658.	3.8	39
10	Microstructure and Transport Properties of Bi-2212 Prepared by CO2 Laser Line Scanning. Journal of Superconductivity and Novel Magnetism, 2013, 26, 947-952.	1.8	37
11	Improvement of superconducting properties in Na-doped BSCCO superconductor. Journal of Materials Science: Materials in Electronics, 2015, 26, 441-447.	2.2	33
12	Relationship Between Annealing Time and Magnetic Properties in Bi-2212 Textured Composites. Journal of Superconductivity and Novel Magnetism, 2013, 26, 873-878.	1.8	30
13	Structural and Physical Properties of Nd Substituted Bismuth Cuprates Bi1.7 Pb0.3â^'x Nd x Sr2Ca3Cu4O12+y. Journal of Low Temperature Physics, 2007, 149, 105-118.	1.4	28
14	Improvement of High T c Phase Formation in BPSCCO Superconductor by Adding Vanadium and Substituting Titanium. Journal of Low Temperature Physics, 2011, 163, 370-379.	1.4	27
15	Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe2O4 ferrite nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 13068-13080.	2.2	26
16	Effect of Tungsten (W) Substitution on the Physical Properties of Bi-(2223) Superconductors. Journal of Superconductivity and Novel Magnetism, 2014, 27, 711-716.	1.8	25
17	Sonochemical Synthesis of CoFe2-xNdxO4 Nanoparticles: Structural, Optical, and Magnetic Investigation. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3837-3844.	1.8	25
18	Effect of Ce Substitution on the Magnetoresistivity and Flux Pinning Energy of the Bi2Sr2Ca1â^'x Ce x Cu2O8+Î´ Superconductors. Journal of Low Temperature Physics, 2014, 174, 136-147.	1.4	24

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19	Effect of Na substitution on superconducting properties of Bi-2212 ceramics prepared by Sinter-Forged process. Journal of the European Ceramic Society, 2017, 37, 1007-1012.	5.7	24
20	Effect of Nd-Substitution on Thermally Activated Flux Creep in the Bi1.7Pb0.3â^'x Nd x Sr2Ca3Cu4O12+y Superconductors. Journal of Low Temperature Physics, 2009, 156, 22-29.	1.4	23
21	Structural, Electrical, and Magnetic Properties of the Co-Substituted Bi-2212 System Textured by Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2014, 27, 53-59.	1.8	23
22	Improvement of the Intergranular Pinning Energy in the (BiPb)2Sr2Ca2Cu3O10+Î´ Superconductors Doped with High Valancy Cations. Journal of Superconductivity and Novel Magnetism, 2012, 25, 725-729.	1.8	22
23	Effect of Yb-substitution on thermally activated flux creep in the Bi2Sr2Ca1Cu2â^'xYbxOy superconductors. Journal of Materials Science: Materials in Electronics, 2013, 24, 2568-2575.	2.2	22
24	Physical, Mechanical and Magnetic Properties of the Yb-Substituted Bi2Sr2Ca1Cu2O y Textured Superconductor. Journal of Superconductivity and Novel Magnetism, 2013, 26, 111-115.	1.8	22
25	Effect of Ce substitution on structural and superconducting properties of Bi-2212 system. Journal of Materials Science: Materials in Electronics, 2013, 24, 1580-1586.	2.2	21
26	Improvement of Bi2Sr2Co2Oy thermoelectric performances by Na doping. Journal of Electroceramics, 2018, 40, 11-15.	2.0	21
27	The Effect of Gd Concentration on the Physical and Magnetic Properties of Bi1.7Pb0.3-xGdxSr2Ca3Cu4O12+y Superconductors. Journal of Low Temperature Physics, 2005, 140, 105-117.	1.4	19
28	Effect of Yttrium substitution on superconductivity in Bi-2212 textured rods prepared by a LFZ technique. Ceramics International, 2016, 42, 3418-3423.	4.8	18
29	BaTiO3/(Co0.8Ni0.1Mn0.1Fe1.9Ce0.1O4) composites: Analysis of the effect of Co0.8Ni0.1Mn0.1Fe1.9Ce0.1O4 doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of BaTiO3. Ceramics International, 2022, 48, 30499-30509.	4.8	18
30	Non-linear AC susceptibility of a spin glass Pd-5.5 at.% Mn. Journal of Physics Condensed Matter, 1992, 4, 5801-5810.	1.8	17
31	Relationship Between Growth Speed and Magnetic Properties in Bi-2212/Ag Textured Composites. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1093-1098.	1.8	17
32	Linear and non-linear AC susceptibilities of the spin glass Eu0.4Sr0.6S. Journal of Physics Condensed Matter, 1992, 4, 6639-6650.	1.8	16
33	Thermoelectric Power and Thermal Conduction Studies on the Gd Substituted BPSCCO (2234) Superconductors. Journal of Low Temperature Physics, 2007, 147, 31-48.	1.4	16
34	Improvement of structural and superconducting properties of Bi-2212 textured rods by substituting sodium. Ceramics International, 2016, 42, 8473-8477.	4.8	16
35	The effects of the post-annealing time on the growth mechanism of Bi2Sr2Ca1Cu2O8+â^ thin films produced on MgO (100) single crystal substrates by pulsed laser deposition (PLD). Ceramics International, 2016, 42, 5778-5784.	4.8	16
36	Harmonic susceptibilities of an alloy of. Journal of Physics Condensed Matter, 1998, 10, 191-203.	1.8	15

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37	Field Dependence of Magnetization and dM / dH for Sm- and Gd-Doped Bi 1.7 Pb 0.3 Sr 2 Ca 2Â x RE x Cu. Chinese Physics Letters, 2004, 21, 2041-2044.	3.3	15
38	Sintering Effects in Na-Substituted Bi-(2212) Superconductor Prepared by a Polymer Method. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1913-1924.	1.8	15
39	Effect of Na-doping on thermoelectric and magnetic performances of textured Bi2Sr2Co2Oy ceramics. Journal of the European Ceramic Society, 2018, 38, 515-520.	5.7	15
40	Effect of (Ta/Nb) co-doping on the magnetoresistivity and flux pinning energy of the BPSCCO superconductors. Journal of Materials Science: Materials in Electronics, 2014, 25, 2456-2462.	2.2	14
41	Suppression of the non-linear susceptibilities of ferromagnetic PdFe and PdMn. Journal of Physics Condensed Matter, 1994, 6, 8309-8321.	1.8	13
42	Thermoelectric power and thermal conduction studies on the Nd substituted BPSCCO (2234) superconductors. Physica C: Superconductivity and Its Applications, 2007, 467, 112-119.	1.2	13
43	The Annealing Effects in the Iron-Based Superconductor FeTe0.8Se0.2 Prepared by the Self-Flux Method. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2691-2697.	1.8	13
44	Effect of K substitution on Structural, Electrical and Magnetic Properties of Bi-2212 system. Journal of Materials Science: Materials in Electronics, 2014, 25, 4476-4482.	2.2	13
45	Improvement of the intergranular pinning energy in the Na-doped Bi-2212 superconductors. Journal of Materials Science: Materials in Electronics, 2015, 26, 2830-2837.	2.2	13
46	Enhanced physical properties of single crystal Fe0.99Te0.63Se0.37 prepared by self-flux synthesis method. Journal of Alloys and Compounds, 2016, 683, 164-170.	5.5	13
47	Fabrication and evolution of nanoprecursors to produce Bi(Pb)-2212/Ag textured superconducting composites. Ceramics International, 2015, 41, 14276-14284.	4.8	12
48	Low temperature thermoelectric properties of K-substituted Bi2Sr2Co2Oy ceramics prepared via laser floating zone technique. Journal of the European Ceramic Society, 2019, 39, 3082-3087.	5.7	12
49	Magnetocaloric Properties of La0.85Ag0.15MnO3 and (La0.80Pr0.20)0.85Ag0.15MnO3 Compounds. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1649-1658.	1.8	11
50	Effect of high valency cations on the (BiPb)2Sr2Ca3Cu4O12+Î´ compounds. Journal of Superconductivity and Novel Magnetism, 2012, 25, 293-297.	1.8	10
51	Semi-spin-glass and spin-glass behaviour in EuxSr1-xSe with x=0.5 and 0.7. Journal of Physics Condensed Matter, 1993, 5, 5667-5674.	1.8	9
52	Superconductivity of Bi 1.6 Pb 0.4 Sr 2 Ca 3 Cu 4 O 12. Chinese Physics Letters, 2002, 19, 1863-1865.	3.3	9
53	The effects of the post-annealing temperature on the growth mechanism of Bi2Sr2Ca1Cu2O8+âˆ, thin films produced on MgO (100) single crystal substrates by pulsed laser deposition (PLD). Journal of Alloys and Compounds, 2013, 566, 175-179.	5.5	9
54	THE MAGNETIC AND ELECTRICAL PROPERTIES OF RARE-EARTH Sm3+ SUBSTITUTED Bi1.7Pb0.3Sr2Ca2-xSmxCu3O12 SYSTEM. Modern Physics Letters B, 2005, 19, 331-340.	1.9	8

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55	Effect of High Valancy Cations on the Intergranular Pinning Energies of (Bi-Pb)2Sr2Ca2Cu3O10+Î´ Samples. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1811-1816.	1.8	8
56	Effects of K substitution on thermoelectric and magnetic properties of Bi2Sr2Co2Oy ceramic. Journal of Materials Science: Materials in Electronics, 2017, 28, 12652-12659.	2.2	8
57	Effect of Vanadium-Titanium Co-doping on the BPSCCO Superconductor. Journal of Superconductivity and Novel Magnetism, 2011, 24, 217-222.	1.8	7
58	The Effect of K Substitution on Magnetoresistivity and Activation Energy of Bi-2212 System. Journal of Superconductivity and Novel Magnetism, 2015, 28, 553-559.	1.8	7
59	Effect of Na substitution and Ag addition on the superconducting properties of Bi-2212 textured materials. Journal of Materials Science: Materials in Electronics, 2017, 28, 6278-6283.	2.2	7
60	The cooling rate effect on structure and flux pinning force of FeTeSe single crystal deposited by self-flux method. Journal of Materials Science: Materials in Electronics, 2018, 29, 6477-6483.	2.2	7
61	Mechanical Properties of BSCCO Superconductor by Oliverâ€“Pharr Method and Work of Indentation Approach. Journal of Superconductivity and Novel Magnetism, 2013, 26, 3215-3219.	1.8	6
62	Structural and Magnetic Properties of Cobalt(II) Complexes of Triphenylphosphine. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1599-1605.	1.8	6
63	Effect of Rubidium Substitution on the Physical and Superconducting Properties of Textured High-Tc BSCCO Samples. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1285-1292.	1.8	6
64	Investigation of nano-crystaline strontium hexaferrite magnet powder from mill scale waste by the mechanochemical synthesis: Effect of the annealing temperature. Materials Chemistry and Physics, 2022, 290, 126513.	4.0	6
65	Effect of Na-substitution on magnetoresistance and flux pinning energy of Bi-2212 ceramics prepared via hot-forging process. Journal of Materials Science: Materials in Electronics, 2018, 29, 19147-19154.	2.2	5
66	Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3135-3141.	1.8	5
67	CRITICAL CURRENT DENSITIES IN Bi1.7Pb0.3-xGdxSr2Ca3Cu4O12+y (x=0.01, 0.1) SUPERCONDUCTORS PREPARED BY MELT-QUENCHING METHOD AND ANNEALED IN DIFFERENT TIME INTERVALS. Modern Physics Letters B, 2004, 18, 1467-1478.	1.9	4
68	Effect of V substitution on vortex pinning and superconducting properties of Bi-2212 superconductor. Journal of Materials Science: Materials in Electronics, 2016, 27, 7633-7639.	2.2	4
69	Effect of Cesium Substitution on the Superconducting Properties of Bi-2212 Samples Prepared Via Solid-State Reaction and Laser Floating Zone Technique. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3439-3448.	1.8	4
70	Detail investigation of thermoelectric performance and magnetic properties of Cs-doped Bi2Sr2Co2Oy ceramic materials. SN Applied Sciences, 2021, 3, 1.	2.9	4
71	Physical Properties of Sm1â^'x Gd x Ni4B compounds. Journal of Superconductivity and Novel Magnetism, 2011, 24, 793-799.	1.8	3
72	Physical and Magnetic Properties of Nd1â^'x Gd x Ni4B Compounds. Journal of Superconductivity and Novel Magnetism, 2011, 24, 763-768.	1.8	3

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73	Structure and physical properties of iron-selenide KxFe2â^'ySe2. Materials Chemistry and Physics, 2015, 164, 157-162.	4.0	3
74	Continuous processing of Bi2Sr2CaCu2O8+Î´ precursor powders. Ceramics International, 2018, 44, 14865-14872.	4.8	3
75	Effect of annealing and potassium substitution on the thermoelectric and magnetic properties of directionally grown Bi2Sr2Co2O ceramics. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2020, 59, 121-128.	1.9	3
76	A study on thermoelectric performance and magnetic properties of Ti-doped Bi2Sr2Co1.8Oy ceramic materials. Materials Chemistry and Physics, 2020, 256, 123701.	4.0	3
77	Significant enhancement of superconducting performances of Bi-2212 fibers through combined sodium substitution and LFZ process. Journal of Materials Science: Materials in Electronics, 2021, 32, 17686-17699.	2.2	3
78	Magnetocaloric effect in re-entrant ferrimagnet compound. Solid State Communications, 2011, 151, 408-410.	1.9	2
79	The physical and magnetic properties of FeSe-11 superconductor. Journal of Physics: Conference Series, 2016, 667, 012002.	0.4	2
80	Effect of Cooling Rate on Structure, Composition, and Superconducting Properties of FeTe0.6Se0.4 Prepared by Self-Flux Technique. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1187-1192.	1.8	2
81	Structural and physical properties of Na-substituted K0.8Fe2-ySe2 single crystal. Journal of Alloys and Compounds, 2019, 777, 1074-1079.	5.5	2
82	Drastic modification of low temperature thermoelectric properties of Na-doped Bi2Sr2Co2Oy ceramics prepared via laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2020, 31, 15558-15564.	2.2	2
83	Tuning thermoelectric properties of Bi2Ca2Co2Oy through K doping and laser floating zone processing. Solid State Sciences, 2021, 120, 106732.	3.2	2
84	A SIMPLE CHAOTIC NEURON MODEL: STOCHASTIC BEHAVIOR OF NEURAL NETWORKS. International Journal of Neuroscience, 2003, 113, 607-619.	1.6	1
85	Observation of magnetocaloric effect in the LaMn1.9Fe0.1Si2compound at low fields in the vicinity of phase transition around room temperature. Journal of Physics: Conference Series, 2009, 153, 012063.	0.4	1
86	Study of phase transition in a [CdHgI₄â€‰:â€‰0.2AgI] mixed conducting composite system doped with KI and K₂SO₄. Phase Transitions, 2011, 84, 960-971.	1.3	1
87	Physical and Magnetic Properties of Sm_{0.2}Gd_{0.8}Ni₄B Compound. Solid State Phenomena, 0, 190, 208-212.	0.3	1
88	Magnetic Properties of Sm1â^'x Tb x Ni4B compounds. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1065-1070.	1.8	1
89	Effect of Yb substitution in Bi-2212 ceramics prepared by laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2015, 26, 5761-5766.	2.2	1
90	Thermal Conductivity and Thermoelectric Power of Yb-Substituted Bi-2212 Superconductor. Journal of Physics: Conference Series, 2016, 667, 012001.	0.4	1

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91	Effect of Sodium Substitution on Structural and Magnetic Properties of KFe2â^'y Se2. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2401-2406.	1.8	1
92	Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor. Journal of Materials Science: Materials in Electronics, 2019, 30, 12783-12789.	2.2	1
93	Drastic microstructural modification of Bi2Ca2Co2O ceramics by Na doping and laser texturing. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 634-640.	1.9	1
94	Thermal Conductivity and Thermoelectric Power of Potassium and Sodium-Substituted Bi-2212 Superconductor Prepared by PEI Technique. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2641-2647.	1.8	0
95	The synthesis and magnetic structure of the iron selenide Ba_{0.8}Fe₂Se₂. Journal of Physics: Conference Series, 2016, 667, 012003.	0.4	0
96	Physical, electrical and magnetic properties of Cr doped Bi2Sr2Ca1Cu2â^'xCrxOy (Bi-2212) superconductors prepared by laser floating zone technique. Journal of Materials Science: Materials in Electronics, 2017, 28, 13120-13125.	2.2	0
97	Processing of Superconducting and Thermoelectric Bulk Materials Via Laser Technologies. NATO Science for Peace and Security Series C: Environmental Security, 2020, , 297-312.	0.2	0
98	Low temperature thermoelectric properties of Na-substituted Bi2Ca2Co2Oy ceramics fabricated via LFZ technique. Materials Chemistry and Physics, 2022, 278, 125673.	4.0	0
99	Role of Y substitution for Ca-site on magneto-resistivity properties of Bi-2212 superconductor rods prepared by LFZ. Materials Chemistry and Physics, 2022, 282, 125995.	4.0	0
100	Impact of silver addition on the superconducting performances of Bi2Sr2Ca0.925Na0.075Cu2Oy:Ag composite fibers. Journal of the European Ceramic Society, 2022, , .	5.7	0