O Ozturk

List of Publications by Year
in descending order

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88 papers	1,478 citations	304368 22 h-index	395343 33 g-index
89 all docs	89 docs citations	89 times ranked	612 citing authors

#	Article	IF	Citations
1	Structural and physical properties of Sm-doped Bi1.6Pb0.4Sr2Ca2âˆ’xSmxCu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2005, 423, 119-126.	0.6	74
2	Thermal expansion and Vickers hardness measurements on Bi1.6Pb0.4Sr2Ca2âˆ’xSmxCu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2006, 442, 101-107.	0.6	67
3	Effect of boron doping on the structural, optical and electrical properties of ZnO nanoparticles produced by the hydrothermal method. Ceramics International, 2015, 41, 11194-11201.	2.3	59
4	Preparation, growth and characterization of nonvacuum Cu-doped ZnO thin films. Journal of Molecular Structure, 2018, 1165, 1-7.	1.8	57
5	Vickers hardness measurements and some physical properties of Pr2O3 doped Bi-2212 superconductors. Journal of Materials Science: Materials in Electronics, 2012, 23, 1001-1010.	1.1	53
6	Structural and mechanical properties of ZnMgO nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 416-422.	2.6	53
7	Role of diffusion-annealing time on the mechanical properties of bulk Bi-2223 superconductors diffusion-doped with Au. Superconductor Science and Technology, 2007, 20, 365-371.	1.8	46
8	The effect of Pr addition on superconducting and mechanical properties of Bi-2212 superconductors. Journal of Materials Science: Materials in Electronics, 2012, 23, 511-519.	1.1	42
9	The influence of Gd addition on microstructure and transport properties of Bi-2223. Physica B: Condensed Matter, 2008, 403, 3354-3359.	1.3	40
10	Investigation of mechanical and superconducting properties of iron diffusion-doped Bi-2223 superconductors. Journal of Materials Science: Materials in Electronics, 2011, 22, 1501-1508.	1.1	39
11	Structural and mechanical properties of transition metals doped ZnMgO nanoparticles. Powder Technology, 2013, 235, 479-484.	2.1	38
12	Structural and mechanical properties of (Co/Mg) co-doped nano ZnO. Ceramics International, 2015, 41, 6326-6334.	2.3	37
13	Substitution of Sm at Ca site in superconductors. Physica B: Condensed Matter, 2007, 399, 94-100.	1.3	36
14	High-quality c-axis oriented non-vacuum Er doped ZnO thin films. Ceramics International, 2016, 42, 8085-8091.	2.3	35
15	Effect of Gd addition on the activation energies of Bi-2223 superconductor. Physica B: Condensed Matter, 2011, 406, 705-709.	1.3	33
16	The Effect of PbSe Addition on the Mechanical Properties of Bi-2212 Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2297-2307.	0.8	33
17	Effect of cooling rates on bare bulk and silver wrapped pellets of Bi-2223 superconductor. Physica C: Superconductivity and Its Applications, 2006, 434, 153-156.	0.6	32
18	A Study on Magnetoresistivity, Activation Energy, Irreversibility and Upper Critical Field of Slightly Mn Added Bi-2223 Superconductor Ceramics. Journal of Superconductivity and Novel Magnetism, 2012, 25, 961-968.	0.8	30

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19	The effect of cooling rates on properties of Bi1.7Pb0.35Sr1.9Ca2.1Cu3Oy superconductors produced by solid-state reaction method. Physica C: Superconductivity and Its Applications, 2007, 451, 113-117.	0.6	24
20	Effect of annealing time on the structural, optical and electrical characteristics of DC sputtered ITO thin films. Journal of Materials Science: Materials in Electronics, 2014, 25, 4992-4999.	1.1	24
21	Comparative study on mechanical properties of undoped and Ce-doped Bi-2212 superconductors. Journal of Materials Science: Materials in Electronics, 2013, 24, 2339-2345.	1.1	23
22	Role of diffusion-annealing time on the superconducting, microstructural and mechanical properties of Cu-diffused bulk MgB2 superconductor. Journal of Materials Science: Materials in Electronics, 2013, 24, 352-361.	1.1	23
23	Effect of Ce Addition on the Magnetoresistivity, Irreversibility Field, Upper Critical Field and Activation Energies of Bi-2212 Superconducting Ceramics. Journal of Superconductivity and Novel Magnetism, 2012, 25, 893-903.	0.8	22
24	Enhanced mechanical properties of yttrium doped ZnO nanoparticles as determined by instrumented indentation technique. Ceramics International, 2018, 44, 10306-10314.	2.3	21
25	Investigation of indentation size effect (ISE) and micro-mechanical properties of Lu added Bi2Sr2CaCu2Oy ceramic superconductors. Journal of Materials Science: Materials in Electronics, 2013, 24, 230-238.	1.1	20
26	The influence of cooling rates on microstructure and mechanical properties of Bi_{1,6}Pb_{0,4}Sr₂Ca₂Cu₃O_ysuperconductors. Journal of Physics: Conference Series, 2009, 153, 012038.	0.3	19
27	Experimental and theoretical approaches on mechanical evaluation of Y123 system by Lu addition. Journal of Materials Science: Materials in Electronics, 2013, 24, 2414-2421.	1.1	18
28	Preparation, structural and micromechanical properties of (Al/Mg) co-doped ZnO nanoparticles by solâ€"gel process. Journal of Materials Science: Materials in Electronics, 2015, 26, 8147-8159.	1.1	18
29	Analysis of Indentation Size Effect on Mechanical Properties of Cu-Diffused Bulk MgB2 Superconductor Using Experimental and Different Theoretical Models. Journal of Superconductivity and Novel Magnetism, 2013, 26, 101-109.	0.8	17
30	Microstructural and electrical characterizations of transparent Er-doped ZnO nano thin films prepared by solâ€"gel process. Journal of Materials Science: Materials in Electronics, 2017, 28, 14314-14322.	1.1	17
31	Analysis of indentation size effect (ISE) behavior in low-load Vickers microhardness testing of (Sm123)1â^'x(Nd123)x superconductor system. Journal of Materials Science: Materials in Electronics, 2013, 24, 2218-2227.	1.1	16
32	The role of Lu doping on microstructural and superconducting properties of Bi2Sr2CaLuxCu2Oy superconducting system. Journal of Materials Science: Materials in Electronics, 2013, 24, 1274-1281.	1.1	16
33	Calculation of the diffusion coefficient of Au in Bi-2223 superconductors. Journal of Physics Condensed Matter, 2007, 19, 346205.	0.7	15
34	The effect of Au diffusion on some physical properties of Bi1.8Pb0.35Sr1.9Ca2.1Cu3Oy superconductors. Journal of Alloys and Compounds, 2009, 471, 142-146.	2.8	15
35	Influence of Diffusion-Annealing Temperature onÂtheÂPhysico-Mechanical Properties of Au-doped Bi-2223 Superconductors. Journal of Superconductivity and Novel Magnetism, 2011, 24, 381-390.	0.8	15
36	Some physical properties and Vickers hardness measurements of Fe diffusion-doped Bi1.8Pb0.35Sr1.9Ca2.1Cu3Oy superconductors. Journal of Materials Science: Materials in Electronics, 2012, 23, 1235-1242.	1.1	15

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37	Structural and mechanical characterization of Bi1.75Pb0.25Sr2Ca2Cu3â^'xSnxO10+y superconductor ceramics using Vickers microhardness test. Journal of Materials Science: Materials in Electronics, 2013, 24, 4270-4278.	1.1	15
38	A study on nucleation, crystallization kinetics, microstructure and mechanical properties of Ruâ€"Bi partial substituted BSCCO glass ceramics. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1073-1082.	2.0	15
39	Variation of Mechanical Properties of Cr Doped Bi-2212 Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2949-2954.	0.8	13
40	Investigation of microstructural, Vickers microhardness and superconducting properties of YBa2Cu3â^'xGdxO7â^'Î´ (0Ââ‰ÂxÂâ‰Â0.150) superconducting ceramics via experimental and theoretical approaches. Journal of Materials Science: Materials in Electronics, 2013, 24, 1264-1273.	1.1	13
41	Effect of Zn content on microstructure and mechanical performance in Bi1.8Sr2Ca2Cu3.2â^'xZnxO10+Î´ glass ceramic. Journal of Materials Science: Materials in Electronics, 2014, 25, 3116-3126.	1.1	13
42	The influence of re-pelletization and heat treatment on physical, superconducting, magnetic and micro-mechanical properties of bulk BSCCO samples prepared by ammonium nitrate precipitation method. Ceramics International, 2017, 43, 15586-15592.	2.3	13
43	Roughness and bearing analysis of ZnO nanorods. Ceramics International, 2020, 46, 15183-15196.	2.3	13
44	Influence of diffusion-annealing temperature on physical and mechanical properties of Cu-diffused bulk MgB2 superconductor. Journal of Materials Science: Materials in Electronics, 2013, 24, 776-783.	1.1	12
45	Comparison of Vickers microhardness of undoped and Ru doped BSCCO glass ceramic materials. Journal of Materials Science: Materials in Electronics, 2018, 29, 3957-3966.	1.1	12
46	Influence of different boron precursors on superconducting and mechanical properties of MgB2. Journal of Materials Science: Materials in Electronics, 2014, 25, 2737-2747.	1.1	11
47	A comprehensive study on mechanical properties of Bi1.8Pb0.4Sr2MnxCa2.2Cu3.0Oy superconductors. Journal of Materials Science: Materials in Electronics, 2013, 24, 2659-2666.	1.1	10
48	Improvement of the Nature of Indentation Size Effect of Bi-2212 Superconducting Matrix by Doped Nd Inclusion and Theoretical Modeling of New Matrix. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1403-1412.	0.8	10
49	Mechanical, microstructural and magnetic properties of the bulk BSCCO superconductor prepared by two different methods. Journal of Materials Science: Materials in Electronics, 2015, 26, 2622-2628.	1.1	10
50	Ac Susceptibility Measurements and Mechanical Performance of Bulk MgB2. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1943-1952.	0.8	10
51	Comparative investigation on electronic properties of metal-semiconductor structures with variable ZnO thin film thickness for sensor applications. Composites Part B: Engineering, 2019, 174, 106987.	5.9	10
52	The effect of Nd 2 O 3 addition on superconducting and structural properties and activation energy calculation of Bi-2212 superconducting system. Journal of Materials Science: Materials in Electronics, 2014, 25, 444-453.	1.1	9
53	Effect of re-pelletization on structural, mechanical and superconducting properties of BSCCO superconductors. Journal of Materials Science: Materials in Electronics, 2017, 28, 1799-1803.	1.1	9
54	Breaking point of the harmony between Gd diffused Bi-2223 slabs with diffusion annealing temperature. Journal of Materials Science: Materials in Electronics, 2013, 24, 4566-4573.	1.1	8

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55	Superconducting and mechanical properties of the bulk Bi(pb)SCCO system prepared via solid state and ammonium nitrate precipitation methods. Physica B: Condensed Matter, 2015, 472, 34-40.	1.3	8
56	Significant change in micro mechanical, structural and electrical properties of MgB2 superconducting ceramics depending on argon ambient pressure and annealing duration. Journal of Materials Science: Materials in Electronics, 2015, 26, 3840-3852.	1.1	8
57	Physical Properties and Diffusion-Coefficient Calculation of Iron Diffused Bi-2223 System. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2481-2487.	0.8	7
58	Theoretical investigations of Î±,Î±,Î±-trifluoro-3, -p and o-nitrotoluene by means of density functional theory. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 271-282.	2.0	7
59	Change of formation velocity of Bi-2212 superconducting phase with annealing ambient. Journal of Materials Science: Materials in Electronics, 2013, 24, 4643-4654.	1.1	6
60	Evaluation of Microstructural and Mechanical Properties of Ag-Diffused Bulk MgB2 Superconductors. Journal of Superconductivity and Novel Magnetism, 2014, 27, 77-82.	0.8	6
61	Structural, electrical and mechanical properties of selenium doped thallium based high-temperature superconductors. Cryogenics, 2016, 73, 1-7.	0.9	6
62	Experimental and theoretical approaches for electrical, magnetic, micromechanical, and structural characterization of BSCCO ceramic superconductors. Ceramics International, 2018, 44, 11674-11681.	2.3	6
63	Evaluation of key mechanical design properties and mechanical characteristic features of advanced Bi-2212 ceramic materials with homovalent Bi/Ga partial replacement: Combination of experimental and theoretical approaches. Ceramics International, 2019, 45, 21183-21192.	2.3	6
64	Investigation of structural, superconducting and mechanical properties of Co/Cu substituted YBCO-358 ceramic composites. Journal of Materials Science: Materials in Electronics, 2019, 30, 7400-7409.	1.1	6
65	The Effect of Ar Ambient Pressure and Annealing Duration on the Microstructure, Superconducting Properties and Activation Energies of MgB2 Superconductors. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1161-1169.	0.8	5
66	Effect of homovalent Bi/Ga substitution on propagations of flaws, dislocations and crack in Bi-2212 superconducting ceramics: Evaluation of new operable slip systems with substitution. Ceramics International, 2019, 45, 22912-22919.	2.3	5
67	Effect of Ni and Al doping on structural, optical, and <scp>CO₂</scp> gas sensing properties of <scp>1D ZnO</scp> nanorods produced by hydrothermal method. Microscopy Research and Technique, 2022, 85, 1502-1517.	1.2	5
68	Magnetic and electronic measurements in CeB6. Journal of Magnetism and Magnetic Materials, 2006, 298, 33-37.	1.0	4
69	Influence of gold diffusion-doped on phase formation, superconducting and microstructure properties of Bi1.8Pb0.35Sr1.9Ca2.1Cu3Oysuperconductors. Journal of Physics: Conference Series, 2009, 153, 012024.	0.3	4
70	Experimental and theoretical approaches on thermal and structural properties of Zn doped BSCCO glass ceramics. Materials Science-Poland, 2016, 34, 25-32.	0.4	4
71	Effect of Co/Cu partial replacement on fundamental features of Y-123 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 7630-7641.	1.1	4
72	Influence of Sr/Nd partial replacement on fundamental properties of Bi-2223 superconducting system. Journal of Materials Science: Materials in Electronics, 2021, 32, 7073-7089.	1.1	4

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73	Changes in mechanical and structural properties of Bi-2212 added MgB2 superconductors. Journal of Materials Science: Materials in Electronics, 2016, 27, 6060-6070.	1.1	3
74	Experimental and theoretical approaches for magnetic, superconducting and structural characterization of Bi 1.75 Pb 0.25 Sr 2 Ca 2 Cu 3-x Sn x O 10+y glass ceramics. Cryogenics, 2017, 88, 17-21.	0.9	3
75	Theoretical and experimental approaches to measuring mechanical properties of Zn1â^'xCoxO binary tetrahedral bulk semiconductors. Journal of Materials Science: Materials in Electronics, 2018, 29, 7971-7978.	1.1	3
76	The influence of boron doping on the structural and mechanical characterization of ZnO. Journal of Alloys and Compounds, 2019, 797, 717-726.	2.8	3
77	Comparison of theoretical and experimental microhardness of tetrahedral binary Zn1-xErxO semiconductor polycrystalline nanoparticles. Ceramics International, 2019, 45, 4176-4183.	2.3	3
78	Characterization of the CoFe2O4/Cu displacement effect in the Y123 superconductor matrix on critical properties. Journal of Materials Science: Materials in Electronics, 2020, 31, 20578-20588.	1.1	3
79	Nanostructural characterization and defect-mediated room temperature ferromagnetism of Zn1â^'xFexO (xÂ=Â0.00â€"0.07) nanorods prepared via hydrothermal method. Journal of Alloys and Compounds, 2021, 880, 160528.	2.8	3
80	Evaluation of superconducting features and gap coefficients for electronâ€"phonon couplings properties of MgB2 with multi-walled carbon nanotube addition. Journal of Materials Science: Materials in Electronics, 2022, 33, 3786.	1.1	3
81	Bayesian semiparametric models for nonignorable missing mechanisms in generalized linear models. Journal of Applied Statistics, 2013, 40, 1746-1763.	0.6	1
82	Investigation of microhardness properties of the multi-walled carbon nanotube additive MgB2 structure by using the vickers method. Cryogenics, 2021, 116, 103295.	0.9	1
83	Comparison of the Dopant Effect and Sample Preparation Method on Y-123 Superconductors. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2821-2832.	0.8	1
84	Vertically aligned Nd substituted ZnO nanorods: Morphology, optical characteristics and room temperature ferromagnetism. Current Applied Physics, 2022, 35, 45-57.	1.1	1
85	Solar light performances of n-ZnO nanorods/p-Si-based photodetectors under high illumination intensity. Journal of Materials Science: Materials in Electronics, 2022, 33, 15222-15231.	1.1	1
86	The Effect of Zinc on the Structural, Electrical, and Mechanical Properties of YBCO-123 Superconducting Nanoparticles Prepared by an Acetate-Based Sol-Gel Process. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3415-3423.	0.8	0
87	Effect of doping on microstructure and optical properties of ternary structure of Zn1â^'xâ^'yBxCyO (B=Cu, C=Co) nano thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 22351-22364.	1.1	0
88	The Nucleation Effect of PbSe Additive on Bi2Sr2CaCu2OÎ´ Glass Ceramics. Glass and Ceramics (English) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	0