# 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 | 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 |
| 2 | Vertically aligned Nd substituted ZnO nanorods: Morphology, optical characteristics and room temperature ferromagnetism. Current Applied Physics, 2022, 35, 45-57. | 1.1 | 1 |
| 3 | Effect of Ni and Al doping on structural, optical, and <scp>CO<sub>2</sub></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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Roughness and bearing analysis of ZnO nanorods. Ceramics International, 2020, 46, 15183-15196. | 2.3 | 13 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Comparison of theoretical and experimental microhardness of tetrahedral binary Zn1-xErxO semiconductor polycrystalline nanoparticles. Ceramics International, 2019, 45, 4176-4183. | 2.3 | 3 |
| 20 | 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 |
| 21 | Experimental and theoretical approaches for electrical, magnetic, micromechanical, and structural characterization of BSCCO ceramic superconductors. Ceramics International, 2018, 44, 11674-11681. | 2.3 | 6 |
| 22 | 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 |
| 23 | Enhanced mechanical properties of yttrium doped ZnO nanoparticles as determined by instrumented indentation technique. Ceramics International, 2018, 44, 10306-10314. | 2.3 | 21 |
| 24 | Preparation, growth and characterization of nonvacuum Cu-doped ZnO thin films. Journal of Molecular Structure, 2018, 1165, 1-7. | 1.8 | 57 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | High-quality c-axis oriented non-vacuum Er doped ZnO thin films. Ceramics International, 2016, 42, 8085-8091. | 2.3 | 35 |
| 33 | 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 |
| 34 | Structural, electrical and mechanical properties of selenium doped thallium based high-temperature superconductors. Cryogenics, 2016, 73, 1-7. | 0.9 | 6 |
| 35 | 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 |
| 36 | Structural and mechanical properties of (Co/Mg) co-doped nano ZnO. Ceramics International, 2015, 41, 6326-6334. | 2.3 | 37 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | Ac Susceptibility Measurements and Mechanical Performance of Bulk MgB2. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1943-1952. | 0.8 | 10 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Structural and mechanical properties of ZnMgO nanoparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 416-422. | 2.6 | 53 |
| 47 | 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 |
| 48 | 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 |
| 49 | Variation of Mechanical Properties of Cr Doped Bi-2212 Superconductors. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2949-2954. | 0.8 | 13 |
| 50 | 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 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|---|---|---|---|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | 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 |
| 59 | Bayesian semiparametric models for nonignorable missing mechanisms in generalized linear models. Journal of Applied Statistics, 2013, 40, 1746-1763. | 0.6 | 1 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | Structural and mechanical properties of transition metals doped ZnMgO nanoparticles. Powder Technology, 2013, 235, 479-484. | 2.1 | 38 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|---|---|---|---|
| 73 | 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 |
| 74 | 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 |
| 75 | Effect of Gd addition on the activation energies of Bi-2223 superconductor. Physica B: Condensed Matter, 2011, 406, 705-709. | 1.3 | 33 |
| 76 | 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 |
| 77 | The influence of cooling rates on microstructure and mechanical properties of Bi<sub>1,6</sub>Pb<sub>0,4</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub>superconductors. Journal of Physics: Conference Series, 2009, 153, 012038. | 0.3 | 19 |
| 78 | 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 |
| 79 | The influence of Gd addition on microstructure and transport properties of Bi-2223. Physica B: Condensed Matter, 2008, 403, 3354-3359. | 1.3 | 40 |
| 80 | Calculation of the diffusion coefficient of Au in Bi-2223 superconductors. Journal of Physics Condensed Matter, 2007, 19, 346205. | 0.7 | 15 |
| 81 | 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 |
| 82 | Substitution of Sm at Ca site in superconductors. Physica B: Condensed Matter, 2007, 399, 94-100. | 1.3 | 36 |
| 83 | 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 |
| 84 | 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 |
| 85 | Thermal expansion and Vickers hardness measurements on Bi1.6Pb0.4Sr2Ca2â˜'xSmxCu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2006, 442, 101-107. | 0.6 | 67 |
| 86 | Magnetic and electronic measurements in CeB6. Journal of Magnetism and Magnetic Materials, 2006, 298, 33-37. | 1.0 | 4 |
| 87 | Structural and physical properties of Sm-doped Bi1.6Pb0.4Sr2Ca2â˜'xSmxCu3Oy superconductors. Physica C: Superconductivity and Its Applications, 2005, 423, 119-126. | 0.6 | 74 |
| 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 |