

GÃ¼rcan YÄ±ldÄ±rÄ±m

List of Publications by Year in descending order

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122
papers

1,831
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279487

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Role of annealing temperature on microstructural and electro-optical properties of ITO films produced by sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 467-474.	1.1	92
2	Effect of Mn Addition on Structural and Superconducting Properties of (Bi, Pb)-2223 Superconducting Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 381-390.	0.8	55
3	Vickers hardness measurements and some physical properties of Pr ₂ O ₃ doped Bi-2212 superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1001-1010.	1.1	53
4	Ab initio Hartree-Fock and density functional theory study on characterization of 3-(5-methylthiazol-2-yl-diazenyl)-2-phenyl-1H-indole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 1362-1369.	2.0	52
5	Role of Cerium Addition on Structural and Superconducting Properties of Bi-2212 System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 847-856.	0.8	51
6	Beginning point of metal to insulator transition for Bi-2223 superconducting matrix doped with Eu nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013, 578, 526-535.	2.8	44
7	The effect of Pr addition on superconducting and mechanical properties of Bi-2212 superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 511-519.	1.1	42
8	Determination of optimum diffusion annealing temperature for Au surface-layered Bi-2212 ceramics and dependence of transition temperatures on disorders. <i>Journal of Alloys and Compounds</i> , 2017, 699, 247-255.	2.8	42
9	Effect of zirconium diffusion on the microstructural and superconducting properties of YBa ₂ Cu ₃ O _{7-δ} superconductors. <i>Journal of Alloys and Compounds</i> , 2012, 540, 260-266.	2.8	41
10	Density functional theory study on the identification of 3-[(2-morpholinoethylimino)methyl]benzene-1,2-diol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 263-271.	2.0	38
11	Investigation of Lu effect on YBa ₂ Cu ₃ O _{7-δ} superconducting compounds. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 896-905.	1.1	36
12	Important defects on pinning of 2D pancake vortices in highly anisotropic Bi-2212 superconducting matrix with homovalent Bi/La substitution. <i>Journal of Alloys and Compounds</i> , 2015, 631, 111-119.	2.8	34
13	A detailed research for determination of Bi/Ga partial substitution effect in Bi-2212 superconducting matrix on crucial characteristic features. <i>Journal of Alloys and Compounds</i> , 2019, 772, 388-398.	2.8	34
14	Role of Bi/Tm substitution in Bi-2212 system on crystal structure quality, pair wave function and polaronic states. <i>Journal of Alloys and Compounds</i> , 2018, 764, 755-766.	2.8	32
15	A Study on Magnetoresistivity, Activation Energy, Irreversibility and Upper Critical Field of Slightly Mn Added Bi-2223 Superconductor Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 961-968.	0.8	30
16	Role of annealing time and temperature on structural and superconducting properties of (Bi, Pb)-2223 thin films produced by sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 928-935.	1.1	30
17	Formation of nucleation centers for vortices in Bi-2223 superconducting core by dispersed Sn nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014, 584, 344-351.	2.8	30
18	Role of preparation conditions of Bi-2223 ceramic materials and optimization of Bi-2223 phase in bulk materials with experimental and statistical approaches. <i>Journal of Alloys and Compounds</i> , 2016, 673, 205-214.	2.8	29

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19	Substrate effect on microstructure and optical performance of sputter-deposited TiO ₂ thin films. <i>Crystal Research and Technology</i> , 2012, 47, 195-201.	0.6	26
20	Zr diffusion coefficient and activation energy calculations based on EDXRF measurement and evaluation of mechanical characteristics of YBa ₂ Cu ₃ O _{7-x} bulk superconducting ceramics diffused with Zr nanoparticles. <i>Powder Technology</i> , 2013, 246, 553-560.	2.1	26
21	Investigation of Gd Addition Added on Magnetic and Structural Properties of Bi _{1.8} Pb _{0.35} Sr _{1.9} Ca _{2.1} Cu ₃ Gd _x O _y Superconductors by ac Susceptibility. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 2153-2159.	0.8	25
22	Investigation of Structural and Superconducting Properties of Cr Added Bi-2212 Superconducting Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 231-237.	0.8	25
23	Vibrational assignments, spectroscopic investigation (FT-IR and FT-Raman), NBO, MEP, HOMO-LUMO analysis and intermolecular hydrogen bonding interactions of 7-fluoroisatin, 7-bromoisatin and 1-methylisatin - A comparative study. <i>Journal of Molecular Structure</i> , 2015, 1101, 189-211.	1.8	25
24	Comparative study on mechanical properties of undoped and Ce-doped Bi-2212 superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2339-2345.	1.1	23
25	Role of diffusion-annealing time on the superconducting, microstructural and mechanical properties of Cu-diffused bulk MgB ₂ superconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 352-361.	1.1	23
26	Effect of Ce Addition on the Magnetoresistivity, Irreversibility Field, Upper Critical Field and Activation Energies of Bi-2212 Superconducting Ceramics. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 893-903.	0.8	22
27	Improvement of mechanical performances and characteristics of bulk Bi-2212 materials exposed to Au diffusion and stabilization of durable tetragonal phase by Au. <i>Ceramics International</i> , 2017, 43, 6836-6844.	2.3	22
28	Role of diffusion-annealing temperature on the microstructural and superconducting properties of Cu-doped MgB ₂ superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1965-1970.	1.1	20
29	Investigation of indentation size effect (ISE) and micro-mechanical properties of Lu added Bi ₂ Sr ₂ CaCu ₂ O _y ceramic superconductors. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 230-238.	1.1	20
30	MgB ₂ inclusions in Bi-2223 matrix: The evaluation of microstructural, mechanical and superconducting properties of new system, Bi-2223+MgB ₂ . <i>Journal of Alloys and Compounds</i> , 2013, 556, 143-152.	2.8	20
31	Examination of effective nucleation centers for flux pinning of vortices and optimum diffusion annealing temperature for Au-diffusion-doped Bi-2212 polycrystalline compound. <i>Journal of Alloys and Compounds</i> , 2016, 688, 637-646.	2.8	20
32	Effect of Magnetic Field Direction on Magnetoresistivity, Activation Energy, Irreversibility and Upper Critical Field of Bi-2212 Thin Film Fabricated by DC Sputtering Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 1665-1671.	0.8	19
33	Determination of solid solubility level of Ho nanoparticles in Y-123 superconducting matrix and strong Cu1 site preference of nanoparticles. <i>Journal of Alloys and Compounds</i> , 2014, 610, 361-371.	2.8	19
34	Decrement in metastability with Zr nanoparticles inserted in Bi-2223 superconducting system and working principle of hybridization mechanism. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 956-965.	1.1	19
35	Investigation of the magnetic field angle dependence of resistance, irreversibility field, upper critical field and critical current density in DC sputtered Bi-2223 thin film. <i>Physica B: Condensed Matter</i> , 2011, 406, 1853-1857.	1.3	18
36	Experimental and theoretical approaches on mechanical evaluation of Y123 system by Lu addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2414-2421.	1.1	18

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37	Magneto-resistivity study on Cr added Bi-2212 superconductor ceramics with experimental and theoretical approaches. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 239-247.	1.1	18
38	Effect of Annealing Time and Temperature on Microstructural and Superconducting Properties of (Bi,Pb)-2212 Thin Films Produced by Magnetron Reactive Sputtering. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 1655-1663.	0.8	17
39	Analysis of Indentation Size Effect on Mechanical Properties of Cu-Diffused Bulk MgB ₂ Superconductor Using Experimental and Different Theoretical Models. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 101-109.	0.8	17
40	Anisotropic nature and scaling of thermally activated dissipation mechanism in Bi-2223 superconducting thin film. <i>Journal of Alloys and Compounds</i> , 2013, 554, 327-334.	2.8	17
41	The role of Lu doping on microstructural and superconducting properties of Bi ₂ Sr ₂ Ca _{Lux} Cu ₂ O _y superconducting system. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1274-1281.	1.1	16
42	Detailed analysis on electrical conduction transition from 2D variable range hopping to phonon-assisted 3D VRH mechanism belonging to Bi-site La substituted Bi-2212 system. <i>Journal of Alloys and Compounds</i> , 2015, 622, 489-499.	2.8	16
43	Theoretical cross sections of ²⁰⁹ Bi, ²³² Th, ²³⁵ U and ²³⁸ U on deuteron-induced reactions. <i>Annals of Nuclear Energy</i> , 2010, 37, 534-539.	0.9	15
44	Experimental and theoretical studies on the identification of p-biphenyloxycarbonylphenyl acrylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1024-1033.	2.0	15
45	Role of Gd content in Cu(1) and Cu(2) sites on electrical, microstructural, physical, mechanical and superconducting properties of YBa ₂ Cu ₃ ~xGdxO ₇ ~y ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1842-1854.	1.1	15
46	Experimental and theoretical approaches for identification of p-benzophenoneoxycarbonylphenyl acrylate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 80-91.	2.0	15
47	Role of trivalent Bi/Tm partial substitution on active operable slip systems in Bi-2212 crystal structure. <i>Cryogenics</i> , 2021, 113, 103212.	0.9	15
48	Synthesis and characterization of p-benzophenoneoxycarbonylphenyl acrylate by means of experimental measurements and theoretical approaches, and bulk melt polymerization. <i>Journal of Molecular Structure</i> , 2013, 1049, 479-487.	1.8	14
49	Investigation of solvent polarity effect on molecular structure and vibrational spectrum of xanthine with the aid of quantum chemical computations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 98-109.	2.0	14
50	Research on MgB ₂ bulk superconductors exposed to Ag nanoparticles diffusion. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3127-3136.	1.1	14
51	Variation of Mechanical Properties of Cr Doped Bi-2212 Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 2949-2954.	0.8	13
52	Investigation of microstructural, Vickers microhardness and superconducting properties of YBa ₂ Cu ₃ ~xGdxO ₇ ~y (0 ≤ x ≤ 0.150) superconducting ceramics via experimental and theoretical approaches. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1264-1273.		13
53	Effect of diffusion-annealing time (0.5 h ≤ t ≤ 2 h) on the mechanical and superconducting properties of Cu-diffused bulk MgB ₂ superconductors by use of experimental and different theoretical models. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2019-2026.	1.1	12
54	Influence of diffusion-annealing temperature on physical and mechanical properties of Cu-diffused bulk MgB ₂ superconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 776-783.	1.1	12

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55	Change of mechanical performance and characterization with replacement of Ca by Gd nanoparticles in Bi-2212 system and suppression of durable tetragonal phase by Gd. Journal of Materials Science: Materials in Electronics, 2016, 27, 13034-13043.	1.1	12
56	Formation of artificial flux pinning centers in Bi-2223 cuprate superconductor with Ni impurities and enhanced resistant to thermal fluxon motions of correlated 2D pancake vortices in new matrix. Journal of Alloys and Compounds, 2018, 745, 100-110.	2.8	12
57	Effect of annealing temperature on magnetoresistivity, activation energy, irreversibility and upper critical field of the Cu-diffused MgB2 bulk superconductors. Journal of Materials Science: Materials in Electronics, 2013, 24, 392-401.	1.1	11
58	Solubility limit of tetravalent Zr nanoparticles in Bi-2223 crystal lattice and evaluation of fundamental characteristic properties of new system. Journal of Materials Science: Materials in Electronics, 2016, 27, 1854-1865.	1.1	11
59	Role of annealing environment and partial pressure on structure and optical performance of TiO ₂ thin films fabricated by rf sputter method. Crystal Research and Technology, 2010, 45, 1161-1165.	0.6	10
60	A characterization study on 2,6-dimethyl-4-nitropyridine N-oxide by density functional theory calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 104-110.	2.0	10
61	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
62	Sn diffusion coefficient and activation energy determined by way of XRD measurement and evaluation of micromechanical properties of Sn diffused YBa2Cu3O7- δ superconducting ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 3063-3072.	1.1	10
63	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
64	Significant Change in Mechanical Properties of YBa2Cu3O7- δ Bulk Superconductors Diffused with Sn Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2014, 27, 755-761.	0.8	10
65	Filling of electronic density of states in Y-123 superconducting ceramics by nano Nd substitution on Ba site in crystal structure. Journal of Alloys and Compounds, 2016, 659, 31-37.	2.8	10
66	Evaluation of crystallographic and electrical-superconducting features of Bi-2223 advanced ceramics with vanadium addition. Journal of Materials Science: Materials in Electronics, 2021, 32, 5035-5049.	1.1	10
67	Production cross sections of medical ^{110,111} In radionuclides. Kerntechnik, 2010, 75, 103-108.	0.2	9
68	Effect of diffusion-annealing time on magnetoresistivity of Cu-diffused bulk MgB2 superconductors with experimental and theoretical approaches. Journal of Materials Science: Materials in Electronics, 2013, 24, 958-967.	1.1	9
69	Degeneration of mechanical characteristics and performances with Zr nanoparticles inserted in Bi-2223 superconducting matrix and increment in dislocation movement and cracks propagation. Journal of Materials Science: Materials in Electronics, 2016, 27, 2276-2287.	1.1	9
70	Excitation Functions of Some Neutron Production Targets on (d,2n) Reactions. Journal of Fusion Energy, 2010, 29, 181-187.	0.5	8
71	Experimental and theoretical approaches on magnetoresistivity of Lu-Doped Y-123 superconducting ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 1536-1545.	1.1	8
72	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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73	Decrement of crack propagation in bulk Bi-2223 superconducting ceramics with Sn-diffusion annealing temperature. Journal of Materials Science: Materials in Electronics, 2015, 26, 6013-6019.	1.1	8
74	Synthesis of highly ordered hBN in presence of group I/IIA carbonates by solid state reaction. Crystal Research and Technology, 2016, 51, 380-392.	0.6	8
75	Effect of Ni diffusion annealing temperature on crucial characterization of Bi-2223 superconducting system. AIP Conference Proceedings, 2016, , .	0.3	8
76	Enhancement of local microstructural distortions, boundary weak-interactions and crucial defeats performed via Bi +3 /La +3 partial substitution in the Bi-2212 matrix. Journal of Alloys and Compounds, 2016, 658, 732-743.	2.8	8
77	Transgranular region preference of crack propagation along Bi-2212 crystal structure due to Au nanoparticle diffusion and modeling of new systems. Journal of Materials Science: Materials in Electronics, 2017, 28, 12839-12850.	1.1	8
78	A novel research on the subject of the load-independent microhardness performances of Sr/Ti partial displacement in Bi-2212 ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 22239-22251.	1.1	8
79	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
80	Density Functional Theory Study on the Identification of Pd(Me-Xanthate)2. Arabian Journal for Science and Engineering, 2012, 37, 1283-1291.	1.1	7
81	Theoretical investigations of $\hat{1}\pm, \hat{1}\pm$ -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
82	Comparative study on indentation size effect, indentation cracks and superconducting properties of undoped and MgB2 doped Bi-2223 ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2327-2338.	1.1	7
83	Detailed survey on minimum activation energy for penetration of Ni nanoparticles into Bi-2223 crystal structure and temperature-dependent Ni diffusivity. Journal of Materials Science: Materials in Electronics, 2018, 29, 3239-3249.	1.1	7
84	Effect of annealing ambient conditions on crack formation mechanisms of bulk Bi-2212 ceramic systems. Journal of Asian Ceramic Societies, 2021, 9, 1214-1227.	1.0	7
85	Morphological, microstructural and electrical examinations on ZnO film on p-Si wafer. Journal of Materials Science: Materials in Electronics, 2012, 23, 1971-1979.	1.1	6
86	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
87	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
88	Improvement of mechanical characteristics and performances with Ni diffusion mechanism throughout Bi-2223 superconducting matrix. AIP Conference Proceedings, 2016, , .	0.3	6
89	An effective research for diffusion annealing temperature and activation energy in Au surface-layered Bi-2212 ceramic composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 17693-17701.	1.1	6
90	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

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91	Effect of vanadium addition on fundamental electrical quantities of Bi-2223 crystal structure and semi-empirical model on structural disorders-defects. Journal of Materials Science: Materials in Electronics, 2020, 31, 13765-13777.	1.1	6
92	DFT, Molecular Docking and Drug-likeness Analysis: Acrylate molecule bearing perfluorinated pendant unit. Journal of Molecular Structure, 2021, 1244, 130940.	1.8	6
93	Contribution of vanadium particles to thermal movement of correlated two-dimensional pancake Abrikosov vortices in Bi-2223 superconducting system. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 257-267.	0.9	6
94	Increased homogenous clusters in superconducting paths with diffusion of optimum Ni impurities into Bi-2223 crystal. Journal of Materials Science: Materials in Electronics, 2018, 29, 18088-18097.	1.1	5
95	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
96	Refinement of fundamental characteristic properties with homovalent Er/Y partial replacement of YBa ₂ Cu ₃ O _{7-δ} ceramic matrix. Journal of Alloys and Compounds, 2021, 884, 161131.	2.8	5
97	Effect of Ni and Al doping on structural, optical, and CO ₂ gas sensing properties of 1D ZnO nanorods produced by hydrothermal method. Microscopy Research and Technique, 2022, 85, 1502-1517.	1.2	5
98	Evolution of electrical, superconducting, crystallinity and structural features with aliovalent Nd/Sr replacement in Bi-2223 ceramics. Materials Chemistry and Physics, 2022, 288, 126350.	2.0	5
99	Deformation of Mechanical Properties and Failure Behavior of Haysâ€Kendall Approach in Bi-2223 Superconducting Core After Eu Inclusions. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1629-1634.	0.8	4
100	Experimental and theoretical approaches for structural and mechanical properties of novel side chain LCP-PP graft coproducts. Turkish Journal of Chemistry, 2016, 40, 467-483.	0.5	4
101	Significant development on pinning of vortices in Y-123 superconductor with homovalent Ba/Nd substitution. Journal of Materials Science: Materials in Electronics, 2016, 27, 6992-7003.	1.1	4
102	Degradation in fundamental characteristic features of Bi-2212 superconducting ceramic material with Sr/Ti partial substitution. Journal of Materials Science: Materials in Electronics, 2019, 30, 8268-8277.	1.1	4
103	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
104	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
105	Role of active slip systems induced with holmium impurity in Bi-2212 ceramics on mechanical design performance and morphological properties. Ceramics International, 2022, 48, 26361-26369.	2.3	4
106	Investigation of the Magnetic Field Angle Dependence of Resistance and Activation Energy of DC-sputtered Bi-2223 Thin Film. Arabian Journal for Science and Engineering, 2013, 38, 209-217.	1.1	3
107	Importance of Magnetoresistivity Properties and Decrement of the Flux Pinning Energy in YBa ₂ Cu ₃ O _{7-δ} Bulk Superconductors Doped with Gd Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2014, 27, 681-686.	0.8	3
108	Effect of Li ₂ CO ₃ on formation temperature of hBN by modified O'Connor model. Crystal Research and Technology, 2016, 51, 708-717.	0.6	3

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109	Effect of MgB2 addition on thermal fluxon motions of two-dimensional pancake vortices in Bi-2223 superconducting ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 727, 879-886.	2.8	3
110	Effect of aliovalent Si/Bi partial substitution on propagation mechanisms of cracking and dislocation in Bi-2212 crystal system. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7314-7323.	1.1	3
111	Effect of borates on the synthesis of nanoscale hexagonal boron nitride by a solidâ€state method. <i>Microscopy Research and Technique</i> , 2021, 84, 2677-2684.	1.2	3
112	Improvement in fundamental electronic properties of Bi-2212 electroceramics with trivalent Bi/Tm substitution: a combined experimental and empirical model approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19846-19858.	1.1	3
113	Evaluation of superconducting features and gap coefficients for electronâ€phonon couplings properties of MgB2 with multi-walled carbon nanotube addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 3786.	1.1	3
114	Calculation of proton total reaction cross sections for some target nuclei in incident energy range of 10â€600 MeV. <i>Physics of Atomic Nuclei</i> , 2010, 73, 1700-1706.	0.1	2
115	Neutron Emission Spectra of 104,105,106,108,110Pd Isotopes for (p,xn) Reactions at 21.6ÂMeV Proton Incident Energy. <i>Journal of Fusion Energy</i> , 2010, 29, 41-48.	0.5	2
116	Electrochemical and spectroscopic characteristics of p-acryloyloxybenzoyl chloride and p-acryloyloxybenzoic acid and antimicrobial activity of organic compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 502-513.	2.0	2
117	Effect of Diffusion Annealing Temperature on Crack-initiating Omnipresent Flaws, Void/crack Propagation and Dislocation Movements Along Ni Surface-layered Bi-2223 Crystal Structure. <i>Sakarya University Journal of Science</i> , 0, , 1-1.	0.3	2
118	Evaluation of load-independent microhardness values in Plateau regions of Vanadium substituted Bi-2212 ceramics. <i>Physica Scripta</i> , 2022, 97, 085703.	1.2	2
119	The Equilibrium and Pre-equilibrium Triton Emission Spectra of Some Target Nuclei for (n,xt) Reactions up to 45ÂMeV Energy. <i>Journal of Fusion Energy</i> , 2010, 29, 312-316.	0.5	0
120	Quantum chemical calculations and interpretation of electronic transitions and spectroscopic characteristics belonging to 1-(3-Mesityl-3-methylcyclobutyl)-2-(naphthalene-1-yloxy)ethanone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 899-912.	2.0	0
121	Synthesis and spectroscopic studies of carbon nanosheets (CNSs) produced by pyrolysis of phthalazinium betaines at relatively lower temperature. <i>Chemical Papers</i> , 2019, 73, 2007-2017.	1.0	0
122	Determination of Possible Maximum Critical Transition Temperatures with Empirical Model Depending on Structural Disorders-Defects for Bi2.1Sr2.0Ca1.1Cu2.0Oy System. <i>Bitlis Eren Âeniversitesi Fen Bilimleri Dergisi</i> , 0, , .	0.1	0