

Tahsin Turgay

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

227
citations

8
h-index

14
g-index

27
ext. papers

308
ext. citations

3.1
avg. IF

3.03
L-index

#	Paper	IF	Citations
24	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	2.1	0
23	Role of trivalent Bi/Tm partial substitution on active operable slip systems in Bi-2212 crystal structure. <i>Cryogenics</i> , 2021 , 113, 103212	1.8	3
22	Evaluation of crystallographic and electrical-superconducting features of Bi-2223 advanced ceramics with vanadium addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 5035-5049	2.1	1
21	A novel research on the subject of the load-independent microhardness performances of Sr/Ti partial displacement in Bi-2212 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 22239-22251	2.1	0
20	Effect of vanadium addition on fundamental electrical quantities of Bi-2223 crystal structure and semi-empirical model on structural disorders-defects. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13765-13777	2.1	0
19	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	2.1	2
18	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. <i>Ceramics International</i> , 2019 , 45, 21183-21192	5.1	2
17	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. <i>Ceramics International</i> , 2019 , 45, 22912-22919	5.1	1
16	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	5.7	18
15	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	5.7	20
14	Rough-Set-Based Decision Model for Incomplete Information Systems 2018 , 2200-2212		
13	Detailed survey on minimum activation energy for penetration of Ni nanoparticles into Bi-2223 crystal structure and temperature-dependent Ni diffusivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3239-3249	2.1	5
12	Increased homogenous clusters in superconducting paths with diffusion of optimum Ni impurities into Bi-2223 crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 18088-18097	2.1	1
11	Solubility limit of tetravalent Zr nanoparticles in Bi-2223 crystal lattice and evaluation of fundamental characteristic properties of new system. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1854-1865	2.1	7
10	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	2.1	9
9	Investigation and modelling the effects of water proofing and water repellent admixtures dosage on the permeability and compressive strengths of concrete. <i>Construction and Building Materials</i> , 2016 , 113, 698-711	6.7	6
8	Evaluation of the Predictive Models for Stiffness, Strength, and Deformation Capacity of RC Frames with Masonry Infill Walls. <i>Journal of Structural Engineering</i> , 2014 , 140, 06014003	3	17

7	Compressive behavior of large-scale square reinforced concrete columns confined with carbon fiber reinforced polymer jackets. <i>Materials & Design</i> , 2010 , 31, 357-364		45
6	Stress-strain model for concrete confined with CFRP jackets. <i>Materials & Design</i> , 2009 , 30, 3243-3251		28
5	Nonlinear finite element modeling of rectangular/square concrete columns confined with FRP. <i>Materials & Design</i> , 2009 , 30, 3066-3075		37
4	A practical approach for modeling FRP wrapped concrete columns. <i>Construction and Building Materials</i> , 2009 , 23, 1429-1437	6.7	22
3	Evaluation of experimental procedures for confined concrete columns using 3D finite element analyses. <i>WIT Transactions on Modelling and Simulation</i> , 2007 ,		3
2	Key mechanical Design Performance Features and Mechanical Characterization of Poly-crystallized Bi _{2.1} Sr _{2.0-x} Ti _x Ca _{1.1} Cu _{2.0} O _y Superconducting Ceramic Cuprates. <i>Sakarya University Journal of Science</i> , 831-839		0.3
1	Effect of annealing ambient conditions on crack formation mechanisms of bulk Bi-2212 ceramic systems. <i>Journal of Asian Ceramic Societies</i> , 1-14	2.4	0