Tahsin Turgay

List of Publications by Citations

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	Compressive behavior of large-scale square reinforced concrete columns confined with carbon fiber reinforced polymer jackets. *Materials & Design*, **2010**, 31, 357-364		45
23	Nonlinear finite element modeling of rectangular/square concrete columns confined with FRP. *Materials & Design*, **2009**, 30, 3066-3075		37
22	Stress□train model for concrete confined with CFRP jackets. *Materials & Design*, **2009**, 30, 3243-3251		28
21	A practical approach for modeling FRP wrapped concrete columns. *Construction and Building Materials*, **2009**, 23, 1429-1437	6.7	22
20	Role of Bi/Tm substitution in Bi-2212 system on crystal structure quality, pair wave function and polaronic states. *Journal of Alloys and Compounds*, **2018**, 764, 755-766	5.7	20
19	A detailed research for determination of Bi/Ga partial substitution effect in Bi-2212 superconducting matrix on crucial characteristic features. *Journal of Alloys and Compounds*, **2019**, 772, 388-398	5.7	18
18	Evaluation of the Predictive Models for Stiffness, Strength, and Deformation Capacity of RC Frames with Masonry Infill Walls. *Journal of Structural Engineering*, **2014**, 140, 06014003	3	17
17	Decrement in metastability with Zr nanoparticles inserted in Bi-2223 superconducting system and working principle of hybridization mechanism. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 956-965	2.1	9
16	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	2.1	7
15	Investigation and modelling the effects of water proofing and water repellent admixtures dosage on the permeability and compressive strengths of concrete. *Construction and Building Materials*, **2016**, 113, 698-711	6.7	6
14	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	2.1	5
13	Evaluation of experimental procedures for confined concrete columns using 3D finite element analyses. *WIT Transactions on Modelling and Simulation*, **2007**,		3
12	Role of trivalent Bi/Tm partial substitution on active operable slip systems in Bi-2212 crystal structure. *Cryogenics*, **2021**, 113, 103212	1.8	3
11	Effect of aliovalent Si/Bi partial substitution on propagation mechanisms of cracking and dislocation in Bi-2212 crystal system. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 7314-7323	2.1	2
10	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	5.1	2
9	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	5.1	1
8	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	2.1	1

7	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	2.1	1
6	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	2.1	0
5	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	2.1	0
4	Effect of annealing ambient conditions on crack formation mechanisms of bulk Bi-2212 ceramic systems. *Journal of Asian Ceramic Societies*,1-14	2.4	0
3	Improvement in fundamental electronic properties of Bi-2212 electroceramics with trivalent Bi/Tm substitution: a combined experimental and empirical model approach. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 19846-19858	2.1	0
2	Rough-Set-Based Decision Model for Incomplete Information Systems **2018**, 2200-2212		
1	Key mechanical Design Performance Features and Mechanical Characterization of Poly-crystallized Bi2.1Sr2.0-xTixCa1.1Cu2.0Oy Superconducting Ceramic Cuprates. *Sakarya University Journal of Science*,831-839	0.3	