Tahsin Turgay

List of Publications by Year
in descending order

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27	374	932766 10	794141 19
papers	citations	h-index	g-index

27	27	27	238
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compressive behavior of large-scale square reinforced concrete columns confined with carbon fiber reinforced polymer jackets. Materials & Design, 2010, 31, 357-364.	5.1	53
2	Nonlinear finite element modeling of rectangular/square concrete columns confined with FRP. Materials & Design, 2009, 30, 3066-3075.	5.1	39
3	Stressâ€“strain model for concrete confined with CFRP jackets. Materials & Design, 2009, 30, 3243-3251.	5.1	38
4	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.	2.8	34
5	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.	2.8	32
6	A practical approach for modeling FRP wrapped concrete columns. Construction and Building Materials, 2009, 23, 1429-1437.	3.2	28
7	Evaluation of the Predictive Models for Stiffness, Strength, and Deformation Capacity of RC Frames with Masonry Infill Walls. Journal of Structural Engineering, 2014, 140, .	1.7	22
8	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.	1.1	19
9	Role of trivalent Bi/Tm partial substitution on active operable slip systems in Bi-2212 crystal structure. Cryogenics, 2021, 113, 103212.	0.9	15
10	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.	3.2	12
11	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
12	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
13	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
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.	1.1	7
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	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.	1.1	3
22	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.	1.1	3
23	Evaluation of experimental procedures for confined concrete columns using 3D finite element analyses. WIT Transactions on Modelling and Simulation, 2007, , .	0.0	3
24	Evaluation of load-independent microhardness values in Plateau regions of Vanadium substituted Bi-2212 ceramics. Physica Scripta, 2022, 97, 085703.	1.2	2
25	Modeling aspects concerning the axial behavior of RC columns. , 2011, , .		0
26	Rough-Set-Based Decision Model for Incomplete Information Systems. , 2018, , 2200-2212.		0
27	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, 0, , 831-839.	0.3	0