Jibran Khaliq

List of Publications by Year
in descending order

37 papers	1,147 citations	516215 16 h-index	395343 33 g-index
38 all docs	38 docs citations	38 times ranked	1299 citing authors

#	Article	IF	Citations
1	Graphene reinforced alumina nano-composites. Carbon, 2013, 64, 359-369.	5.4	263
2	Dielectric relaxation, lattice dynamics and polarization mechanisms in Bi0.5Na0.5TiO3-based lead-free ceramics. Journal of Applied Physics, 2013, 114, .	1.1	145
3	Large ZT enhancement in hot forged nanostructured p-type Bi_{0.5}Sb_{1.5}Te₃ bulk alloys. Journal of Materials Chemistry A, 2014, 2, 5785-5790.	5.2	68
4	NaCa4V5O17: A low-firing microwave dielectric ceramic with low permittivity and chemical compatibility with silver for LTCC applications. Journal of the European Ceramic Society, 2020, 40, 386-390.	2.8	64
5	Li 4 WO 5 : A temperature stable low-firing microwave dielectric ceramic with rock salt structure. Journal of the European Ceramic Society, 2016, 36, 243-246.	2.8	58
6	Influence of filler characteristics on the performance of dental composites: A comprehensive review. Ceramics International, 2022, 48, 27280-27294.	2.3	49
7	Enhancement of thermoelectric properties by atomic-scale percolation in digenite Cu_xS. Journal of Materials Chemistry A, 2014, 2, 9486-9489.	5.2	48
8	Effect of the piezoelectric ceramic filler dielectric constant on the piezoelectric properties of PZT-epoxy composites. Ceramics International, 2017, 43, 2774-2779.	2.3	47
9	Factors affecting the piezoelectric performance of ceramic-polymer composites: A comprehensive review. Ceramics International, 2021, 47, 17813-17825.	2.3	42
10	Lowâ€firing and temperature stable microwave dielectric ceramics: Ba₂LnV₃O₁₁ (LnÂ=ÂNd, Sm). Journal of the American Ceramic Society, 2018, 101, 773-781.	1.9	36
11	Ultra low thermal conductivity of disordered layered p-type bismuth telluride. Journal of Materials Chemistry C, 2013, 1, 2362.	2.7	35
12	Ultralow-Temperature Synthesis and Densification of Ag₂CaV₄O₁₂ with Improved Microwave Dielectric Performances. ACS Sustainable Chemistry and Engineering, 2021, 9, 14461-14469.	3.2	34
13	Solution Blow Spinning of Polyvinylidene Fluoride Based Fibers for Energy Harvesting Applications: A Review. Polymers, 2020, 12, 1304.	2.0	22
14	Novel low-Îµr and lightweight LiBO2 microwave dielectric ceramics with good chemical compatibility with silver. Journal of the European Ceramic Society, 2022, 42, 4580-4586.	2.8	19
15	Tunable microwave dielectric properties in SrOâ€V₂O₅ system through compositional modulation. Journal of the American Ceramic Society, 2020, 103, 2315-2321.	1.9	18
16	Synthesis of multiwalled carbon nanotube-based infrared radiation detector. Sensors and Actuators A: Physical, 2012, 187, 73-78.	2.0	17
17	Flexible and low cost lead free composites with high dielectric constant. Ceramics International, 2017, 43, 3923-3926.	2.3	17
18	A low-firing Ca 5 Ni 4 (VO 4) 6 ceramic with tunable microwave dielectric properties and chemical compatibility with Ag. Ceramics International, 2016, 42, 15094-15098.	2.3	16

#	Article	IF	Citations
19	Synthesis of LiBGeO4 using compositional design and its dielectric behaviors at RF and microwave frequencies. Ceramics International, 2020, 46, 22460-22465.	2.3	14
20	Utilizing the phonon glass electron crystal concept to improve the thermoelectric properties of combined Yb-stuffed and Te-substituted CoSb3. Scripta Materialia, 2014, 72-73, 63-66.	2.6	13
21	Solution Blow Spinning of High-Performance Submicron Polyvinylidene Fluoride Fibres: Computational Fluid Mechanics Modelling and Experimental Results. Polymers, 2020, 12, 1140.	2.0	12
22	Low-temperature sintering, dielectric performance, and far-IR reflectivity spectrum of a lightweight NaCaVO4 with good chemical compatibility with silver. Ceramics International, 2021, 47, 22219-22224.	2.3	12
23	Influence of cation order on crystal structure and microwave dielectric properties in xLi4/3Ti5/3O4-(1-x)Mg2TiO4 (0.6 â‰¤ x â‰¤ 0.9) spinel solid solutions. Journal of the European Ceramic Society, 2021, 41, 7683-7688.	2.8	12
24	Reduced thermal conductivity by nanoscale intergrowths in perovskite like layered structure La2Ti2O7. Journal of Applied Physics, 2015, 117, .	1.1	11
25	Micro-end-milling of carbon nanotube reinforced epoxy nanocomposites manufactured using three roll mill technique. Journal of Manufacturing Processes, 2021, 70, 307-320.	2.8	11
26	An experimental investigation on tool wear behaviour of uncoated and coated micro-tools in micro-milling of graphene-reinforced polymer nanocomposites. International Journal of Advanced Manufacturing Technology, 2021, 113, 2003-2015.	1.5	10
27	Solution blow spinning of piezoelectric nanofiber mat for detecting mechanical and acoustic signals. Journal of Applied Polymer Science, 2021, 138, 51322.	1.3	9
28	Study on properties of tantalum-doped La₂Ti₂O₇ ferroelectric ceramics. Journal of Advanced Dielectrics, 2015, 05, 1550005.	1.5	8
29	A Review on Nanocomposites. Part 1: Mechanical Properties. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	1.3	8
30	Fabrication of Piezoelectric Composites Using High-Temperature Dielectrophoresis. Journal of Manufacturing and Materials Processing, 2019, 3, 77.	1.0	6
31	A Review on Nanocomposites. Part 2: Micromachining. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	1.3	6
32	Phase transformation and ionic conductivity mechanism of a low-temperature sintering semiconductor Na2CaV4O12. Journal of Alloys and Compounds, 2021, 886, 161259.	2.8	5
33	In Situ Printing and Functionalization of Hybrid Polymer-Ceramic Composites Using a Commercial 3D Printer and Dielectrophoresisâ€"A Novel Conceptual Design. Polymers, 2021, 13, 3979.	2.0	4
34	Study of Air Pressure and Velocity for Solution Blow Spinning of Polyvinylidene Fluoride Nanofibres. Processes, 2021, 9, 1014.	1.3	2
35	Na2CaV4O12: A low-temperature-firing dielectric with lightweight, low relative permittivity, and dielectric anomaly around 515 C. Ceramics International, 2021, 48, 6899-6899.	2.3	2
36	Piezoelectric composites. , 2022, , 457-475.		2

#	Article	IF	Citations
37	Novel Carbyne Filled Carbon Nanotube â€“ Polymer Nanocomposites. NanoWorld Journal, 2020, 06, .	0.8	1