

Jibran Khaliq

List of Publications by Year in descending order

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37
papers

1,147
citations

516561

16
h-index

395590

33
g-index

38
all docs

38
docs citations

38
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric composites. , 2022, , 457-475.		2
2	Novel low- ϵ_r and lightweight LiBO ₂ microwave dielectric ceramics with good chemical compatibility with silver. Journal of the European Ceramic Society, 2022, 42, 4580-4586.	2.8	19
3	Influence of filler characteristics on the performance of dental composites: A comprehensive review. Ceramics International, 2022, 48, 27280-27294.	2.3	49
4	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
5	Low-temperature sintering, dielectric performance, and far-IR reflectivity spectrum of a lightweight NaCaVO ₄ with good chemical compatibility with silver. Ceramics International, 2021, 47, 22219-22224.	2.3	12
6	Study of Air Pressure and Velocity for Solution Blow Spinning of Polyvinylidene Fluoride Nanofibres. Processes, 2021, 9, 1014.	1.3	2
7	Solution blow spinning of piezoelectric nanofiber mat for detecting mechanical and acoustic signals. Journal of Applied Polymer Science, 2021, 138, 51322.	1.3	9
8	Factors affecting the piezoelectric performance of ceramic-polymer composites: A comprehensive review. Ceramics International, 2021, 47, 17813-17825.	2.3	42
9	Influence of cation order on crystal structure and microwave dielectric properties in $x\text{Li}_4/3\text{Ti}_5/3\text{O}_4-(1-x)\text{Mg}_2\text{TiO}_4$ (0.6 $\leq x \leq$ 0.9) spinel solid solutions. Journal of the European Ceramic Society, 2021, 41, 7683-7688.	2.8	12
10	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
11	Phase transformation and ionic conductivity mechanism of a low-temperature sintering semiconductor Na ₂ CaV ₄ O ₁₂ . Journal of Alloys and Compounds, 2021, 886, 161259.	2.8	5
12	Ultralow-Temperature Synthesis and Densification of Ag ₂ CaV ₄ O ₁₂ with Improved Microwave Dielectric Performances. ACS Sustainable Chemistry and Engineering, 2021, 9, 14461-14469.	3.2	34
13	In Situ Printing and Functionalization of Hybrid Polymer-Ceramic Composites Using a Commercial 3D Printer and Dielectrophoresis: A Novel Conceptual Design. Polymers, 2021, 13, 3979.	2.0	4
14	Na ₂ CaV ₄ O ₁₂ : 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
15	NaCa ₄ V ₅ O ₁₇ : 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
16	Tunable microwave dielectric properties in SrO \cdot V ₂ O ₅ system through compositional modulation. Journal of the American Ceramic Society, 2020, 103, 2315-2321.	1.9	18
17	Solution Blow Spinning of High-Performance Submicron Polyvinylidene Fluoride Fibres: Computational Fluid Mechanics Modelling and Experimental Results. Polymers, 2020, 12, 1140.	2.0	12
18	Synthesis of LiBGeO ₄ using compositional design and its dielectric behaviors at RF and microwave frequencies. Ceramics International, 2020, 46, 22460-22465.	2.3	14

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19	Solution Blow Spinning of Polyvinylidene Fluoride Based Fibers for Energy Harvesting Applications: A Review. <i>Polymers</i> , 2020, 12, 1304.	2.0	22
20	A Review on Nanocomposites. Part 1: Mechanical Properties. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020, 142, .	1.3	8
21	A Review on Nanocomposites. Part 2: Micromachining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2020, 142, .	1.3	6
22	Novel Carbyne Filled Carbon Nanotube “ Polymer Nanocomposites. <i>NanoWorld Journal</i> , 2020, 06, .	0.8	1
23	Fabrication of Piezoelectric Composites Using High-Temperature Dielectrophoresis. <i>Journal of Manufacturing and Materials Processing</i> , 2019, 3, 77.	1.0	6
24	Low-firing and temperature stable microwave dielectric ceramics: $\text{Ba}_2\text{LnV}_3\text{O}_{11}$ (Ln=Nd, Sm). <i>Journal of the American Ceramic Society</i> , 2018, 101, 773-781.	1.9	36
25	Flexible and low cost lead free composites with high dielectric constant. <i>Ceramics International</i> , 2017, 43, 3923-3926.	2.3	17
26	Effect of the piezoelectric ceramic filler dielectric constant on the piezoelectric properties of PZT-epoxy composites. <i>Ceramics International</i> , 2017, 43, 2774-2779.	2.3	47
27	A low-firing $\text{Ca}_5\text{Ni}_4(\text{VO}_4)_6$ ceramic with tunable microwave dielectric properties and chemical compatibility with Ag. <i>Ceramics International</i> , 2016, 42, 15094-15098.	2.3	16
28	Li_4WO_5 : A temperature stable low-firing microwave dielectric ceramic with rock salt structure. <i>Journal of the European Ceramic Society</i> , 2016, 36, 243-246.	2.8	58
29	Reduced thermal conductivity by nanoscale intergrowths in perovskite like layered structure $\text{La}_2\text{Ti}_2\text{O}_7$. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	11
30	Study on properties of tantalum-doped $\text{La}_2\text{Ti}_2\text{O}_7$ ferroelectric ceramics. <i>Journal of Advanced Dielectrics</i> , 2015, 05, 1550005.	1.5	8
31	Utilizing the phonon glass electron crystal concept to improve the thermoelectric properties of combined Yb-stuffed and Te-substituted CoSb_3 . <i>Scripta Materialia</i> , 2014, 72-73, 63-66.	2.6	13
32	Large ZT enhancement in hot forged nanostructured p-type $\text{Bi}_{0.5}\text{Sb}_{1.5}\text{Te}_3$ bulk alloys. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5785-5790.	5.2	68
33	Enhancement of thermoelectric properties by atomic-scale percolation in digenite Cu_xS . <i>Journal of Materials Chemistry A</i> , 2014, 2, 9486-9489.	5.2	48
34	Graphene reinforced alumina nano-composites. <i>Carbon</i> , 2013, 64, 359-369.	5.4	263
35	Ultra low thermal conductivity of disordered layered p-type bismuth telluride. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2362.	2.7	35
36	Dielectric relaxation, lattice dynamics and polarization mechanisms in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ -based lead-free ceramics. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	145

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37	Synthesis of multiwalled carbon nanotube-based infrared radiation detector. Sensors and Actuators A: Physical, 2012, 187, 73-78.	2.0	17