Yaseen Iqbal

List of Publications by Year in Descending Order

120 papers	1,937 citations	22 h-index	40 g-index
122 ext. papers	2,196 ext. citations	2.9 avg, IF	5.18 L-index

#	Paper	IF	Citations
120	Preparation, characterization, and improvement in the energy storage properties of Bi(Li0.5Ta0.5)O3 modified Na0.5K0.5NbO3 ceramic system. *Materials Research Bulletin*, **2022**, 145, 111521	5.1	2
119	Mechanical and Optical Properties of ZrO2 Doped Silicate Glass Ceramics. *Silicon*, **2021**, 13, 877-883	2.4	2
118	Structural and optoelectronic properties of hybrid halide perovskites for solar cells. *Organic Electronics*, **2021**, 91, 106077	3.5	10
117	Improved energy storage characteristic of Yb doped 0.98(0.94Bi0.5Na0.5TiO3-0.06BaTiO3)-0.02BiAlO3 ceramics. *Materials Research Bulletin*, **2021**, 137, 111175	5.1	6
116	Hydrometallurgical leaching and kinetic modeling of low-grade manganese ore with banana peel in sulfuric acid. *International Journal of Minerals, Metallurgy and Materials*, **2021**, 28, 193-200	3.1	1
115	High energy storage density with ultra-high efficiency and fast charging□discharging capability of sodium bismuth niobate lead-free ceramics. *Journal of Advanced Dielectrics*, **2021**, 11, 2150018	1.3	6
114	Variations in the thermal conductivity of La2Zr2O7 and Gd2Zr2O7 with variable La/Gd concentrations. *Physica B: Condensed Matter*, **2021**, 614, 413018	2.8	3
113	RADIO-OPTICAL response of cerium-doped lithium gadolinium bismuth borate glasses. *Journal of Luminescence*, **2020**, 224, 117341	3.8	8
112	Advances in stable and flexible perovskite solar cells. *Current Applied Physics*, **2020**, 20, 720-737	2.6	12
111	Space charge limited current conduction in thermoelectric electrospun NaCo2O4 nanofibers. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	3
110	Tailoring the microwave dielectric properties of Sr0.6Ca0.4LaAlO4 ceramic by TiO2 addition. *Journal of the Australian Ceramic Society*, **2020**, 56, 1013-1019	1.5	2
109	Advances in stability of perovskite solar cells. *Organic Electronics*, **2020**, 78, 105590	3.5	67
108	Fabrication and characterization of ({text{Pb}}({text{Zr}}_{0.5}{text{Ti}}_{0.5}){text{O}}_{3}) nanofibers for nanogenerator applications. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 15859-15874	2.1	10
107	Synthesis and kinetic modeling of manganese carbonate precipitated from manganese sulfate solution. *Chemical Engineering Communications*, **2020**, 1-12	2.2	1
106	Enhancement of solar cell efficiency via luminescent downshifting by an optimized coverglass. *Ceramics International*, **2020**, 46, 2110-2115	5.1	4
105	A comprehensive phase, minero-chemical and microstructural investigation of low-grade manganese ore. *Materials Research Express*, **2019**, 6, 115527	1.7	2
104	Thermal, Mechanical and Optical Properties of TiO2-doped Sodium Silicate Glass-Ceramics. *Transactions of the Indian Ceramic Society*, **2019**, 78, 125-130	1.8	8

103	Dielectric, ferroelectric and electromechanical properties of (1 − x)(Bi0.5Na0.5TiO3)–Ba(Ti0.8Zr0.2)O3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 10686-10693	2.1	6
102	Plasma diagnostics by optical emission spectroscopy on manganese ore in conjunction with XRD, XRF and SEM-EDS. *Plasma Science and Technology*, **2019**, 21, 085507	1.5	9
101	Coexistence of positive and negative electrocaloric effects in lead free perovskite structured ferroelectrics. *Solid State Sciences*, **2019**, 95, 105929	3.4	
100	Influence of P2O5 and SiO2 Addition on the Phase, Microstructure, and Electrical Properties of KNbO3 **2019**, 43, 1981-1987		2
99	Conduction mechanisms in lanthanum manganite nanofibers. *Materials Science in Semiconductor Processing*, **2019**, 90, 65-71	4.3	17
98	Tin oxide as an emerging electron transport medium in perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2018**, 179, 102-117	6.4	32
97	Tandem perovskite solar cells. *Renewable and Sustainable Energy Reviews*, **2018**, 84, 89-110	16.2	69
96	Development of a new rare-earth (Dy3+)-based thermoluminescent dosimeter. *Journal of Luminescence*, **2018**, 196, 373-378	3.8	4
95	Effect of localized electric field on the carrier transport properties of NiO nanofibers. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 229, 155-159	3.1	4
94	Effect of B-site dopants on the electrical properties of BaMn1− A x O3 ceramics via low temperature impedance spectroscopy. *Materials Research Express*, **2018**, 5, 086304	1.7	0
93	Phase, Microstructure and Beneficiation of Manganese Ore by Acid Leaching. *Journal of Minerals and Materials Characterization and Engineering*, **2018**, 06, 60-71	0.4	3
92	Synthesis and ac electrical characterization of nickel oxide nanofibers. *Materials Research Express*, **2018**, 5, 065002	1.7	2
91	Temperature-stable high relative permittivity in Ca-doped Ba0.5Bi0.5Ti0.75Mg0.25O3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 6763-6768	2.1	3
90	Effects of coal and wheat husk additives on the physical, thermal and mechanical properties of clay bricks. *Boletin De La Sociedad Espanola De Ceramica Y Vidrio*, **2017**, 56, 131-138	1.9	12
89	Size determination of gold nanoparticles in silicate glasses by UV–Vis spectroscopy. *Journal of Nanophotonics*, **2017**, 11, 016011	1.1	2
88	Dielectric and ferroelectric properties of the sol-gel-derived Zr-doped Ba0.7Sr0.3TiO3 polycrystalline ceramic systems. *International Journal of Applied Ceramic Technology*, **2017**, 14, 604-610	2	2
87	Phase evolution and microwave dielectric properties of A5M5O17-type ceramics. *Materials Science-Poland*, **2017**, 35, 362-367	0.6	
86	Conversion of LiF-based thermoluminescent dosimeters into photoluminescent dosimeters via Dy doping. *Materials Research Express*, **2017**, 4, 105015	1.7	1

85	Phase, microstructural analysis, and humidity-sensing properties of orange dye and cuprous-oxide composite. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	5
84	Mn-Doped Ba0.45Sr0.55TiO3 Ceramic Systems: Dielectric and Impedance Spectroscopic Characterization. *International Journal of Applied Ceramic Technology*, **2016**, 13, 1084-1089	2	1
83	Phase composition and microstructure of A n M n O3n+2 (n = 4.5 and 5) microwave ceramics. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 7033-7037	2.1	
82	Dielectric and impedance spectroscopic investigation of the Ba0.3Sr0.7Ti0.873Zr0.097Mn0.03O3 ceramic system. *Ceramics International*, **2016**, 42, 4860-4865	5.1	1
81	Microwave dielectric properties of Ga3+ and Ta5+ co-doped CaTiO3. *Journal of Materials Science*, **2016**, 51, 2958-2963	4.3	4
80	Structure-dielectric property relationship in Nb-doped Ca4La2Ti5O17 ceramics. *International Journal of Modern Physics B*, **2016**, 30, 1650104	1.1	2
79	The effect of B-site substitution on structural transformation and ionic conductivity in Ho2(ZryTi1−y)2O7. *Journal of Alloys and Compounds*, **2016**, 671, 226-233	5.7	21
78	Synthesis, kinetic analysis and electrical characterization of (Ca0.8Sr0.2)0.6La0.267TiO3 by polymeric precursor method. *Journal of Alloys and Compounds*, **2016**, 672, 298-306	5.7	5
77	Thermoelectric performance and humidity sensing characteristics of La 2 CuO 4 nanofibers. *Sensors and Actuators B: Chemical*, **2016**, 231, 102-109	8.5	11
76	Microwave dielectric properties of Mg0.95Co0.05TiO3–(Ca0.8Sr0.2)0.6La0.267TiO3 ceramics synthesized by polymeric precursor method. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 3506-3513	2.1	1
75	Processing, device fabrication and electrical characterization of LaMnO3 nanofibers. *Materials Science in Semiconductor Processing*, **2016**, 41, 364-369	4.3	18
74	Synthesis and thermoelectric properties of La0.8Sr0.2CuO2.4+δ *Materials Letters*, **2016**, 162, 64-66	3.3	3
73	Microwave dielectric properties of Mg-doped SrLa4Ti5O17 layered perovskite. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 1314-1317	2.1	4
72	BaTiO3–Bi(Mg2/3Nb1/3)O3 Ceramics for High-Temperature Capacitor Applications. *Journal of the American Ceramic Society*, **2016**, 99, 2089-2095	3.8	50
71	Metamorphic temperature investigation of coexisting calcite and dolomite marbles: Examples from Nikani Ghar marble and Nowshera Formation, Peshawar Basin, Pakistan. *Journal of Earth Science (Wuhan, China)*, **2016**, 27, 989-997	2.2	7
70	Synthesis and electrical characterization of Ca2Nd4Ti6O20 ceramics. *Materials Science-Poland*, **2016**, 34, 164-168	0.6	
69	Effect of (Ca0.8Sr0.2)0.6La0.267TiO3 on Phase, Microstructure, and Microwave Dielectric Properties of Mg0.95Zn0.05TiO3 Synthesized by Polymeric Precursor Method. *Journal of Electronic Materials*, **2016**, 45, 4108-4116	1.9	2
68	Phase and Microstructural Evolution, and Densification Behaviour of Kaolin Powder Compacts. *Transactions of the Indian Ceramic Society*, **2016**, 75, 47-52	1.8	5

67	Effect of La substitution on the microstructure and dielectric properties of the sol–gel derived BaZr0.2Ti0.8O3 thin films. *Thin Solid Films*, **2016**, 611, 68-73	2.2	5
66	Enhanced dielectric properties in Nb-doped BT-BMT ceramics. *Ceramics International*, **2016**, 42, 19413-19419	3.1	16
65	Structure and microwave dielectric properties of La5− Sr x Ti4+x Ga1− O17 ceramics. *Journal of Materials Science*, **2015**, 50, 3510-3516	4.3	13
64	Phase, microstructure and microwave dielectric properties of A-site deficient (La, Nd)2/3TiO3 perovskite ceramics. *Materials Science-Poland*, **2015**, 33, 126-130	0.6	4
63	Electrical characterization of Mn doped-(Ba 0.3 Sr 0.7)Mn x (Ti 0.9 Zr 0.1) 1-x O 3 ceramics. *Materials Research Bulletin*, **2015**, 72, 13-19	5.1	4
62	New low loss A9B9O31 (A=La; B=Ti, Mg, Sc, Fe, Al, Ga) ceramics for microwave applications. *Journal of Alloys and Compounds*, **2015**, 646, 368-371	5.7	10
61	Microwave dielectric properties of CaTi1−(Nb0.5Ga0.5)xO3 ceramics. *Materials Letters*, **2015**, 153, 121-123	3.3	12
60	Structural modifications induced in silicate glass by field-aided solid-state diffusion of gold and chromium ions. *Journal of Non-Crystalline Solids*, **2015**, 420, 38-42	3.9	5
59	Synthesis, characterization and dielectric properties of Ba1− La x Ti1−/4O3 powders and ceramics synthesized by sol–gel method. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 5635-5644	2.1	4
58	Phase, microstructure and microwave dielectric properties of Ca1− La x Ti1−/4O3 (x = 0) ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 4870-4874	2.1	6
57	Kinetic analysis on the synthesis of Mg0.95Zn0.05TiO3 microwave dielectric ceramic by polymeric precursor method. *Ceramics International*, **2015**, 41, 15089-15096	5.1	11
56	Sol–gel synthesis of Na0.4K0.6Ca4Nb5O17 microwave ceramics. *International Journal of Modern Physics B*, **2015**, 29, 1550153	1.1	
55	Phase, microstructure and microwave dielectric properties of Nb and Ga doped Ca0.6La0.267TiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 10119-10122	2.1	1
54	Effect of Li3PO4 addition on the sintering temperature, phase, microstructure, and electrical properties of BaTiO3. *Journal of Materials Science*, **2015**, 50, 1752-1759	4.3	6
53	Microwave dielectric properties of La5(Ti4B)O17 and Nd5(Ti4B)O17 (B = Cr, Fe) ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 1918-1922	2.1	5
52	Structural phase transition and microwave dielectric properties of Ca1− Sr x TiO3 (x = 0.1–0.9) ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 1507-1511	2.1	8
51	Structure and microwave dielectric properties of Ca0.66La0.387Ti0.88O3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 9092-9096	2.1	13
50	Low loss La5− Sr x Ti4+x Al1− O17 ceramics for microwave dielectric applications. *Electronic Materials Letters*, **2015**, 11, 383-387	2.9	2

49	Rutile-structured Ga0.5B0.5TiO4 (B = Nb, Ta) microwave dielectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 6819-6822	2.1	4
48	Dielectric and impedance spectroscopic studies on (Ba0.5Sr0.5)Mnx(Ti0.95Fe0.05)1−xO3 ceramics synthesized by using sol–gel method. *Journal of Alloys and Compounds*, **2015**, 645, 290-296	5.7	15
47	Structure–property relationship in NaCa4B5O17 (B = Nb, Ta) perovskites. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 2161-2166	2.1	13
46	Phase, microstructure and electrical characterization of Ba1− La x (Zr0.6Ti0.4)1−x/4O3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 113-121	2.1	3
45	Research trends in microwave dielectrics and factors affecting their properties: A review. *International Journal of Materials Research*, **2014**, 105, 431-439	0.5	39
44	Dielectric, ferroelectric, and field-induced strain properties of Ta-doped 0.99Bi0.5(Na0.82K0.18)0.5TiO3–0.01LiSbO3 ceramics. *Journal of Materials Science*, **2014**, 49, 3205-3214	4.3	28
43	Device fabrication and dc electrical transport properties of barium manganite nanofibers (BMO-NFs). *Chemical Physics Letters*, **2014**, 616-617, 126-130	2.5	7
42	Processing and characterization of A-site deficient [(Ca, Sr) x (La, Nd)2/3−x/3]TiO3 dielectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 5282-5287	2.1	1
41	Field-assisted diffusion behavior of transition metal ions in silicate glasses. *Journal of Non-Crystalline Solids*, **2014**, 404, 13-18	3.9	4
40	Characterization of Ba4.5Re9Ti18O54 (Re = La, Nd) microwave dielectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 1652-1656	2.1	13
39	Synthesis and Characterization of Li-Modified AgTaO3. *Journal of Electronic Materials*, **2014**, 43, 3550-3558	1.9	3
38	Field-driven diffusion of transition metal and rare-earth ions in silicate glasses. *Journal of Non-Crystalline Solids*, **2014**, 405, 39-44	3.9	6
37	Kinetic and Thermodynamic Study of Calcite Marble Samples from Lesser Himalayas. *International Journal of Thermophysics*, **2014**, 35, 361-374	2.1	7
36	Elastic softening near the phase transitions in (1 −)Bi1/2Na1/2TiO3-xBaTiO3solid solutions. *Materials Research Express*, **2014**, 1, 046102	1.7	9
35	Improvement in the microwave dielectric properties of SrCa4Nb4TiO17 ceramics by Ba substitution. *Bulletin of Materials Science*, **2014**, 37, 1215-1219	1.7	3
34	Aerosol Characteristics and Radiative Forcing during Pre-Monsoon and Post-Monsoon Seasons in an Urban Environment. *Aerosol and Air Quality Research*, **2014**, 14, 99-107	4.6	34
33	Preparation and characterization of K-substituted NaCa4Nb5O17 microwave dielectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 2322-2326	2.1	10
32	Characterization of Mineral Ores from Northern and Northwest Pakistan. *Jom*, **2013**, 65, 73-79	2.1	5

31	Unification of the negative electrocaloric effect in Bi1/2Na1/2TiO3-BaTiO3 solid solutions by Ba1/2Sr1/2TiO3 doping. *Journal of Applied Physics*, **2013**, 114, 213519	2.5	45
30	Phase, microstructure and dielectric properties of 0.94Bi0.5Na0.5TiO3-0.06BaTiO3 ceramics prepared by sol-gel technique. *Materials Science-Poland*, **2013**, 31, 410-414	0.6	
29	Dielectric, ferroelectric and field induced strain properties of Nb-modified Pb-free 0.99Bi0.5(Na0.82K0.18)0.5TiO3–0.01LiSbO3 ceramics. *Journal of Alloys and Compounds*, **2013**, 574, 320-324	2.7	43
28	Phase, Microstructure, and Microwave Dielectric Properties of NaCa4− Sr x Nb5O17 (x = 0 to 4) Ceramics. *Journal of Electronic Materials*, **2013**, 42, 452-457	1.9	10
27	Microwave dielectric properties of new SrLa4−NdxTi5O17 ceramics. *Materials Research Bulletin*, **2012**, 47, 883-888	5.1	14
26	Offline estimation of 2D crystal lattice parameters by processing the electron diffraction image. *Optics Communications*, **2012**, 285, 609-616	2	
25	Phase, microstructure and microwave dielectric properties of Zr-doped SrLa4Ti5−ZrxO17. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 536-541	2.1	11
24	Influence of zirconium substitution on dielectric, ferroelectric and field-induced strain behaviors of lead-free 0.99[Bi1/2(Na0.82K0.18)1/2(Ti1− Zr x)O3]-0.01LiSbO3 ceramics. *Journal of the Korean Physical Society*, **2012**, 61, 773-778	0.6	10
23	Preparation and Characterization of New Sr5− La x Nb4− Ti1+x O17 Microwave Dielectric Ceramics. *Journal of Electronic Materials*, **2012**, 41, 2393-2398	1.9	18
22	Effect of fluxing additive on sintering temperature, microstructure and properties of BaTiO3. *Bulletin of Materials Science*, **2012**, 35, 387-394	1.7	9
21	The effect of Ta2O5- and ZnO-doping on the Curie temperature of BaTiO3. *Journal of Physics: Conference Series*, **2012**, 371, 012035	0.3	3
20	Phase, microstructural characterization and microwave dielectric properties of SrLa4Ti5−SnxO17(x = 0–) ceramics. *Journal of Physics: Conference Series*, **2012**, 371, 012039	0.3	0
19	Low loss Sr1−CaxLa4Ti5O17 microwave dielectric ceramics. *Materials Research Bulletin*, **2011**, 46, 1092-1096	5.1	43
18	Phase, microstructural characterization and dielectric properties of Ca-substituted Sr5Nb4TiO17 ceramics. *Journal of Materials Science*, **2011**, 46, 3415-3423	4.3	22
17	Influence of Sm substitution on the phase, microstructure and microwave dielectric properties of SrLa4Ti5O17. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 1848-1854	2.1	18
16	ZnO as sintering additive in Sr2Nb2O7. *Journal of Physics: Conference Series*, **2010**, 241, 012029	0.3	8
15	The effect of sintering temperature on phase, microstructure and properties of Sr5Nb4TiO17. *Journal of Physics: Conference Series*, **2010**, 241, 012028	0.3	5
14	Mullite formation in clays and clay-derived vitreous ceramics. *Journal of the European Ceramic Society*, **2008**, 28, 465-471	6	135

13	Order□disorder behaviour in 0.9Ba([Zn0.60Co0.40]1/3Nb2/3)O3□.1Ba(Ga0.5Ta0.5)O3 microwave dielectric resonators. *Journal of the European Ceramic Society*, **2005**, 25, 1183-1189	6	26
12	Microstructure-Property Relationship in Dielectric Ceramics Containing (Nb, Ti)O6 Octahedra. *Ferroelectrics*, **2004**, 302, 259-263	0.6	12
11	Fired Porcelain Microstructures Revisited. *Journal of the American Ceramic Society*, **2004**, 82, 3584-3590	3.8	116
10	Nanocrystalline powder cores for high frequency applications. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 282-284	2.8	8
9	Influence of Cr additions in magnetic properties and crystallization process of amorphous iron based alloys. *Journal of Applied Physics*, **2002**, 92, 374-378	2.5	22
8	Influence of mixing on mullite formation in porcelain. *Journal of the European Ceramic Society*, **2001**, 21, 2583-2586	6	139
7	Non-equilibrium microstructure of bone china. *Advances in Applied Ceramics*, **2000**, 99, 110-116		31
6	Microstructural Evolution in Triaxial Porcelain. *Journal of the American Ceramic Society*, **2000**, 83, 3121-3127	3.8	204
5	Microstructural evolution in bone china. *Advances in Applied Ceramics*, **2000**, 99, 193-199		25
4	Crystal nucleation in P2O5-doped lithium disilicate glasses. *Journal of Materials Science*, **1999**, 34, 4399-4411	4.3	45
3	Metastable phase formation in the early stage crystallisation of lithium disilicate glass. *Journal of Non-Crystalline Solids*, **1998**, 224, 1-16	3.9	64
2	Early stages of crystallisation of lithium disilicate glasses containing P2O5 □An NMR study. *Journal of Non-Crystalline Solids*, **1998**, 232-234, 140-146	3.9	25
1	Crystallisation of silicate and phosphate glasses. *Journal of Non-Crystalline Solids*, **1997**, 219, 17-29	3.9	42