Kulvir Singh

List of Publications by Year
in descending order

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198 papers	5,540 citations	109321 35 h-index	110387 64 g-index
198 all docs	198 docs citations	198 times ranked	4576 citing authors

#	Article	IF	Citations
1	Review on titanium and titanium based alloys as biomaterials for orthopaedic applications. Materials Science and Engineering C, 2019, 102, 844-862.	7.3	883
2	A review of bioactive glasses: Their structure, properties, fabrication and apatite formation. Journal of Biomedical Materials Research - Part A, 2014, 102, 254-274.	4.0	440
3	Crystallisation kinetics in AO-Al2O3-SiO2-B2O3 glasses (A = Ba, Ca, Mg). Journal of Materials Science, 2000, 35, 3089-3096.	3.7	163
4	Review of perovskite-structure related cathode materials for solid oxide fuel cells. Ceramics International, 2020, 46, 5521-5535.	4.8	141
5	Influence of Y2O3 on structural and optical properties of SiO2â€“BaOâ€“ZnOâ€“xB2O3â€“(10â^'x) Y2O3 glasses and glass ceramics. Journal of Non-Crystalline Solids, 2011, 357, 858-863.	3.1	113
6	Chemical Interactions Between Aluminosilicate Base Sealants and the Components on the Anode Side of Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2002, 149, A607.	2.9	95
7	Effect of modifiers field strength on optical, structural and mechanical properties of lanthanum borosilicate glasses. Journal of Non-Crystalline Solids, 2012, 358, 2589-2596.	3.1	87
8	Effect of intermediate oxide (Y2O3) on thermal, structural and optical properties of lithium borosilicate glasses. Journal of Molecular Structure, 2015, 1086, 239-245.	3.6	86
9	Structural, optical and bioactive properties of calcium borosilicate glasses. Ceramics International, 2009, 35, 3401-3406.	4.8	80
10	Effect of ZrO2 on dielectric, optical and structural properties of yttrium calcium borosilicate glasses. Ceramics International, 2017, 43, 722-727.	4.8	74
11	FTIR spectral analysis and mechanical properties of sodium phosphate glassâ€“ceramics. Journal of Molecular Structure, 2015, 1083, 278-285.	3.6	72
12	Crystal structure and magnetic property of Nd doped BiFeO3 nanocrytallites. Materials Letters, 2011, 65, 591-594.	2.6	68
13	Studies on thermal and structural properties of glasses as sealants for solid oxide fuel cells. International Journal of Hydrogen Energy, 2008, 33, 434-438.	7.1	67
14	Ceramic biomaterials: Properties, state of the art and future prospectives. Ceramics International, 2021, 47, 28059-28074.	4.8	67
15	Agricultural wastes as a resource of raw materials for developing low-dielectric glass-ceramics. Scientific Reports, 2016, 6, 24617.	3.3	62
16	Effect of Y2O3 on the crystallization behavior of SiO2â€“MgOâ€“B2O3â€“Al2O3 glasses. Journal of Materials Science, 2007, 42, 6426-6432.	3.7	60
17	Non-isothermal crystallization kinetics of ZnOâ€“BaOâ€“B2O3â€“SiO2 glass. Journal of Non-Crystalline Solids, 2008, 354, 3944-3951.	3.1	57
18	Synthesis and characterization of bismuth vanadate electrolyte material with aluminium doping for SOFC application. International Journal of Hydrogen Energy, 2008, 33, 455-462.	7.1	54

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19	Study of photocatalytic degradation of environmentally harmful phthalate esters using Ni-doped TiO2 nanoparticles. International Journal of Environmental Science and Technology, 2016, 13, 849-856.	3.5	52
20	Biomass as a sustainable resource for valueâ€added modern materials: a review. Biofuels, Bioproducts and Biorefining, 2020, 14, 673-695.	3.7	51
21	Thermal and physical properties of 30SrOâ€“40SiO2â€“20B2O3â€“10A2O3 (A = La, Y, Al) glasses and their chemical reaction with bismuth vanadate for SOFC. Solid State Ionics, 2010, 181, 79-85.	2.7	49
22	Influence of Nucleating Agents on the Chemical Interaction of MgO-Al[sub 2]O[sub 3]-SiO[sub 2]-B[sub 2]O[sub 3] Glass Sealants with Components of SOFCs. Journal of the Electrochemical Society, 2004, 151, A558.	2.9	48
23	Assessment of in vitro bioactivity of SiO2-BaO-ZnO-B2O3-Al2O3 glasses: An optico-analytical approach. Materials Science and Engineering C, 2012, 32, 1941-1947.	7.3	47
24	Structural and acoustic investigations of calcium borate glasses. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2356-2364.	1.8	46
25	Photocatalytic degradation of azo dyes using Zn-doped and undoped TiO2 nanoparticles. Applied Physics A: Materials Science and Processing, 2014, 116, 371-378.	2.3	46
26	Compositional dependence of in-vitro bioactivity in sodium calcium borate glasses. Journal of Physics and Chemistry of Solids, 2009, 70, 1137-1141.	4.0	44
27	Electrical conductivity of Li2O-B2O3-Bi2O3: a mixed conductor. Solid State Ionics, 1996, 93, 147-158.	2.7	43
28	Effect of Variable Oxidation States of Vanadium on the Structural, Optical, and Dielectric Properties of B₂O₃â€“Li₂Oâ€“ZnOâ€“V₂O₅ Glasses. Journal of Physical Chemistry B, 2016, 120, 12168-12176.	2.6	41
29	Williamsonâ€“Hall study on synthesized nanocrystalline tungsten carbide (WC). Applied Physics A: Materials Science and Processing, 2013, 113, 237-242.	2.3	40
30	Bioactive glasses and glassâ€–ceramics for hyperthermia treatment of cancer: state-of-art, challenges, and future perspectives. Materials Today Bio, 2021, 10, 100100.	5.5	40
31	Effect of MgO on bioactivity, hardness, structural and optical properties of SiO2â€“K2Oâ€“CaOâ€“MgO glasses. Ceramics International, 2016, 42, 436-444.	4.8	39
32	Dielectric behaviour of emeraldine base polymerâ€–ZnO nanocomposite film in the low to medium frequency. Journal of Nanoparticle Research, 2011, 13, 2109-2116.	1.9	38
33	Optical and thermal properties of glasses and glass-ceramics derived from agricultural wastes. Ceramics International, 2018, 44, 947-952.	4.8	38
34	Structural and optical properties of barium borosilicate glasses. Physica B: Condensed Matter, 2010, 405, 204-207.	2.7	37
35	Effect of in-situ reduction of Fe3+ on physical, structural and optical properties of calcium sodium silicate glasses and glass ceramics. Journal of Non-Crystalline Solids, 2014, 386, 100-104.	3.1	37
36	Optical and structural properties of Li2Oâ€“Al2O3â€–B2O3 glasses before and after Î³-irradiation effects. Journal of Applied Physics, 2008, 104, .	2.5	36

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37	Interfacial study between high temperature SiO2â€“B2O3â€“AOâ€“La2O3 (AÂ=ÂSr, Ba) glass seals and Crofer 22APU for solid oxide fuel cell applications. International Journal of Hydrogen Energy, 2012, 37, 6862-6874.	7.1	36
38	Holey engineered 2D ZnO-nanosheets architecture for supersensitive ppm level H2 gas detection at room temperature. Sensors and Actuators B: Chemical, 2021, 326, 128839.	7.8	36
39	Effect of A2O3 (A=La, Y, Cr, Al) on thermal and crystallization kinetics of borosilicate glass sealants for solid oxide fuel cells. Ceramics International, 2010, 36, 1621-1628.	4.8	35
40	Ionic conductivity, structural and thermal properties of pure and Sr2+ doped Y2Ti2O7 pyrochlores for SOFC. Solid State Sciences, 2011, 13, 1960-1966.	3.2	35
41	Ionic conductivity, structural and thermal properties of Ca2+ doped Y2Ti2O7 pyrochlores for SOFC. International Journal of Hydrogen Energy, 2012, 37, 3857-3864.	7.1	35
42	Nanocrystalline glass ceramics: Structural, physical and optical properties. Journal of Molecular Structure, 2015, 1081, 211-216.	3.6	35
43	Thermal, structural and crystallization kinetics of SiO2â€“BaOâ€“ZnOâ€“B2O3â€“Al2O3 glass samples as a sealant for SOFC. International Journal of Hydrogen Energy, 2011, 36, 14948-14955.	7.1	34
44	Sintering behavior of nanostructured WCâ€“Co composite. Ceramics International, 2011, 37, 1415-1422.	4.8	33
45	Single step synthesis of nano vanadium carbideâ€”V8C7 phase. International Journal of Refractory Metals and Hard Materials, 2013, 36, 106-110.	3.8	33
46	Frequency independent low-k lithium borate nanocrystalline glass ceramic and glasses for microelectronic applications. Journal of Materials Chemistry C, 2016, 4, 3328-3336.	5.5	32
47	Review on silicate and borosilicateâ€based glass sealants and their interaction with components of solid oxide fuel cell. International Journal of Energy Research, 2021, 45, 20559-20582.	4.5	31
48	Crystallization kinetics of BaOâ€“ZnOâ€“Al2O3â€“B2O3â€“SiO2 glass. Physica B: Condensed Matter, 2008, 403, 1738-1746.	2.7	30
49	Optimization of processing parameters for the synthesis of tungsten carbide (WC) nanoparticles through solvo thermal route. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2477-2483.	2.7	30
50	Thermal and crystallization kinetics of yttrium and lanthanum calcium silicate glass sealants for solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 14971-14976.	7.1	30
51	Combined and individual doxorubicin/vancomycin drug loading, release kinetics and apatite formation for the CaOâ€“CuOâ€“P₂O₅â€“SiO₂â€“B₂O₃ mesoporous glasses. RSC Advances, 2016, 6, 51046-51056.	3.6	29
52	Effect of Mn 2+ and Cu 2+ co-doping on structural and luminescent properties of ZnS nanoparticles. Ceramics International, 2017, 43, 7193-7201.	4.8	29
53	Recycling and utilization of agro-food waste ashes: syntheses of the glasses for wide-band gap semiconductor applications. Journal of Material Cycles and Waste Management, 2019, 21, 801-809.	3.0	29
54	Characterization of SiO2-Na2O-Fe2O3-CaO-P2O5-B2O3 glass ceramics. Journal of Materials Science: Materials in Medicine, 1999, 10, 481-484.	3.6	28

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55	Magnetic and bioactive properties of MnO2/Fe2O3 modified Na2O-CaO-P2O5-SiO2 glasses and nanocrystalline glass-ceramics. Ceramics International, 2016, 42, 11858-11865.	4.8	28
56	Antimicrobial and bioactive phosphate-free glassâ€“ceramics for bone tissue engineering applications. Materials Science and Engineering C, 2018, 86, 9-17.	7.3	28
57	Soluble Borate Glasses: In Vitro Analysis. Journal of the American Ceramic Society, 2007, 90, 467-471.	3.8	27
58	Chemical interaction study between lanthanum based different alkaline earth glass sealants with Crofer 22 APU for solid oxide fuel cell applications. International Journal of Hydrogen Energy, 2012, 37, 3883-3889.	7.1	27
59	Effect of vanadium on the optical and physical properties of lithium borate glasses. Journal of Non-Crystalline Solids, 2016, 432, 393-398.	3.1	27
60	Structural and thermal analysis of in situ synthesized Câ€“WC nanocomposites. Ceramics International, 2014, 40, 5157-5164.	4.8	26
61	Na2O doped CeO2 and their structural, optical, conducting and dielectric properties. Physica B: Condensed Matter, 2018, 550, 189-198.	2.7	26
62	Effect of MgO on structural, thermal and conducting properties of V2-Mg O5- (xâ€¯=â€¯0.05â€“0.30) systems. Ceramics International, 2019, 45, 695-701.	4.8	25
63	Structural and ionic conductive properties of Bi4V2â^'xTixO11â^'Î´ (0â‰¤xâ‰¤0.4) compound. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 158, 63-68.	3.5	24
64	Structural and thermal properties of glass composite seals and their chemical compatibility with Crofer 22APU for solid oxide fuel cells applications. Journal of Power Sources, 2013, 240, 458-470.	7.8	24
65	Structural and thermal properties of in-situ reduced WO3 to W powder. Powder Technology, 2013, 237, 9-13.	4.2	24
66	Growth control of molybdenum thin films with simultaneously improved adhesion and conductivity via sputtering for thin film solar cell application. Vacuum, 2019, 161, 347-352.	3.5	24
67	Structural and dielectric properties of Bi 1â^'x Sr x MnO 3 (0.40â‰¤ x â‰¤0.55). Ceramics International, 2013, 39, 6165-6174.	4.8	23
68	Synthesis of carbon coated tungsten carbide nano powder using hexane as carbon source and its structural, thermal and electrocatalytic properties. International Journal of Hydrogen Energy, 2015, 40, 5628-5637.	7.1	23
69	Non-isothermal crystallization kinetics of K 2 O modified sodium-phosphate glasses. Journal of Non-Crystalline Solids, 2016, 440, 76-84.	3.1	23
70	Thermodynamic Stability of Yttrium Alkaline Earth Borosilicate Glasses and Their Compatibility with Crofer for SOFC. Journal of the Electrochemical Society, 2012, 159, B277-B284.	2.9	22
71	Structural and optical properties of 30Li2Oâ€“55B2O3â€“5ZnOâ€“xTiO2â€“(10â^'x)V2O5, (0â‰¤xâ‰¤10) glasses. Journal of Non-Crystalline Solids, 2015, 414, 51-58.	3.1	22
72	Mixed alkaline earth modifiers effect on thermal, optical and structural properties of SrO-BaO-SiO2-B2O3-ZrO2 glass sealants. Journal of Non-Crystalline Solids, 2021, 564, 120812.	3.1	22

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73	Influence of vanadium oxide on non-isothermal crystallization kinetics of zinc lithium borate glasses. Journal of Non-Crystalline Solids, 2021, 553, 120471.	3.1	21
74	Effect of Field Strength and Electronegativity of CaO and MgO on Structural and Optical Properties of SiO2â€“K2O-CaO-MgO Glasses. Silicon, 2016, 8, 437-442.	3.3	20
75	Influence of CaO/MgO ratio on the crystallization kinetics and interfacial compatibility with crofer 22APU and YSZ of strontium based alumino-borosilicate glasses for SOFC applications. International Journal of Hydrogen Energy, 2017, 42, 16244-16257.	7.1	20
76	Effect of MnO on structural, optical and thermoluminescence properties of lithium borosilicate glasses. Journal of Luminescence, 2020, 219, 116872.	3.1	20
77	Structural, thermal and crystallization kinetics of ZnOâ€“BaOâ€“SiO2â€“B2O3â€“Mn2O3 based glass sealants for solid oxide fuel cells. Ceramics International, 2011, 37, 2101-2107.	4.8	18
78	Optical, structural, and mechanical properties of different valenceâ€cationâ€doped bismuth vanadate oxides. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1231-1238.	1.8	18
79	Structural and optical properties of Bi1â^'xAxFeO3 (A=Sr, Ca; 0.40â©½xâ©½0.55). Journal of Molecular Structure, 2014, 1074, 186-192.	3.6	18
80	Glass Stability and Effect of Heat-Treatment Duration on Chemical Interaction between Calcium Lanthanum Borosilicate Glass Sealant and Electrolytes. Journal of the Electrochemical Society, 2012, 159, F717-F724.	2.9	17
81	Microstructural study of Crofer 22 APU-glass interface for SOFC application. International Journal of Hydrogen Energy, 2012, 37, 3839-3847.	7.1	17
82	Blue-green light emitting inherent luminescent glasses synthesized from agro-food wastes. Journal of Materials Science: Materials in Electronics, 2019, 30, 3871-3881.	2.2	17
83	Ferromagnetic icosahedral Alî—¸Cuî—¸Mnî—¸Ge alloy by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 154, 79-84.	5.6	16
84	Molar extinction coefficients of some carbohydrates in aqueous solutions. Pramana - Journal of Physics, 2002, 58, 521-528.	1.8	16
85	Influence of addition of Al₂O₃ on physical, structural, acoustical and inâ€vitro bioactive properties of phosphate glasses. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1447-1455.	1.8	16
86	Study on single step solid state synthesis of WC@C nanocomposite and electrochemical stability of synthesized WC@C & Pt/WC@C for alcohol oxidation (methanol/ethanol). Journal of Alloys and Compounds, 2016, 665, 186-196.	5.5	16
87	Intriguing role of TiO₂ in glassâ€ceramics: Bioactive and magnetoâ€structural properties. Journal of the American Ceramic Society, 2018, 101, 2819-2830.	3.8	16
88	Mechanical and thermal properties of SrO/BaO modified Y2O3-Al2O3-B2O3-SiO2 glasses and their compatibility with solid oxide fuel cell components. Journal of Physics and Chemistry of Solids, 2018, 118, 248-254.	4.0	16
89	Synthesis of silica and carbon-based nanomaterials from rice husk ash by ambient fiery and furnace sweltering using a chemical method. Applied Surface Science Advances, 2022, 8, 100225.	6.8	16
90	Formation of metastable aluminium-based alloys by mechanical alloying. Journal of Materials Science Letters, 1992, 11, 858-861.	0.5	15

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91	Microstructural Analysis of Interfaces between Lanthanum Contained Glass and Two Different Electrolytes for SOFC Applications. Fuel Cells, 2012, 12, 739-748.	2.4	15
92	Chemical compatibility between MgOâ€“SiO2â€“B2O3â€“La2O3 glass sealant and low, high temperature electrolytes for solid oxide fuel cell applications. International Journal of Hydrogen Energy, 2012, 37, 17235-17244.	7.1	15
93	Structural and thermal properties of Na2Sâ€“P2S5 glass and glass ceramics. Journal of Non-Crystalline Solids, 2013, 379, 89-94.	3.1	15
94	Effect of Ca substitution on structural, magnetic and dielectric properties of BiFeO3. Phase Transitions, 2014, 87, 527-540.	1.3	15
95	High hardness-high toughness WC-20Co nanocomposites: Effect of VC variation and sintering temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 663, 21-28.	5.6	15
96	Sr doped BiMO 3 (MÂ=ÂMn, Fe, Y) perovskites: Structure correlated thermal and electrical properties. Materials Chemistry and Physics, 2017, 187, 96-103.	4.0	15
97	Structural, optical, thermal and conducting properties of V2â^'xLixO5â^'Î´ (0.15â€‰â‰¤â€‰xâ€‰â‰¤â€‰0.30) systems. Scientific Reports, 2020, 10, 1089.	3.3	15
98	Microstructural and electrical behavior of Bi4V2â^'xCuxO11â^'Î´ (0â‰¤xâ‰¤0.4). Ceramics International, 2009, 35, 221-227.	4.8	14
99	Structural, thermal and transport properties of $$ {ext{B}}{{ext{i}}_4}{{ext{V}}_{2 - {ext{x}}}}{ext{G}}{{ext{a}}_{ext{x}}}{{ext{O}}_{11 - delta }} $$ (0â€‰â‰¤â€‰xâ€‰â‰¤â€‰0.4). Ionics, 2010, 16, 277-282.	2.4	14
100	Structural and optical properties of melt quenched barium doped bismuth vanadate. Physica B: Condensed Matter, 2013, 431, 89-93.	2.7	14
101	Mechanical, dielectric and optical assessment of glass composites prepared using milling technique. Bulletin of Materials Science, 2015, 38, 1003-1008.	1.7	14
102	Agro-waste ash and mineral oxides derived glass-ceramics and their interconnect study with Crofer 22 APU for SOFC application. Ceramics International, 2019, 45, 20501-20508.	4.8	14
103	Influence of TiO2 and thermal processing on morphological, structural and magnetic properties of Fe2O3/MnO2 modified glass-ceramics. Journal of Non-Crystalline Solids, 2019, 513, 64-69.	3.1	14
104	Structural, thermal and electrical properties of Ti4+ substituted Bi2O3 solid systems. Ceramics International, 2012, 38, 2065-2070.	4.8	13
105	Preferential occupancy of Ca2+ dopant in La1-x Ca x InO3-Î´ (xÂ=Â0â€“0.20) perovskite: structural and electrical properties. Ionics, 2015, 21, 2839-2850.	2.4	13
106	Optimization of High Conducting Na3Zr2Si2PO12 Phase by new Phosphate Salt for Solid Electrolyte. Silicon, 2017, 9, 411-419.	3.3	13
107	Transition metals (Mn, Ni, Co) doping in TiO2 nanoparticles and their effect on degradation of diethyl phthalate. International Journal of Environmental Science and Technology, 2018, 15, 2359-2368.	3.5	13
108	Designing composition tuned glasses with enhanced properties for use as substrate in Cu2ZnSnS4 based thin film solar cells. Journal of Alloys and Compounds, 2020, 819, 152984.	5.5	13

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109	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi>D</mml:mi><mml:msup><mml:mrow><mml:mi>y</mml:mi></mml:mrow><mml:mrow><mml:m and inherent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:mi>T</mml:mi><mml:msup><mml:mrow><mml:mi>i</mml:mi></mml:mrow><mml:mrow><mml:mm activated <mml:mml. Ceramics International, 2020, 46, 9370-9379.	4.8	13
110	Structural, thermal and electrical study of copper-doped strontium zirconate. Ionics, 2020, 26, 6233-6244.	2.4	13
111	Î³-Irradiation effect on the acoustical properties of zinc lead borate glasses. Physica Status Solidi A, 2005, 202, 2720-2730.	1.7	12
112	Ionic conductivity and structural properties of MnO-doped Bi4V2O11 system. Ionics, 2009, 15, 567-570.	2.4	12
113	Structure and crystallization kinetics of Li2O modified sodium-phosphate glasses. Journal of Molecular Structure, 2015, 1094, 174-182.	3.6	12
114	Optical and thermal properties of (70Âˆ’Âx)SiO2â€“xNa2Oâ€“15CaOâ€“10Al2O3â€“5TiO2 (10Ââ‰¤xâ‰¤25) glasses. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1163-1171.	3.6	12
115	Synthesis of grape-like carbon nanospheres and their application as photocatalyst and electrocatalyst. Journal of Solid State Chemistry, 2015, 232, 108-117.	2.9	12
116	Conductivity, dielectric, and structural studies of (30-x) SrO-xBaO-10Al2O3-45SiO2-5B2O3-10Y2O3 (5â€‰â‰¤â€‰xâ€‰â‰¤â€‰25) glasses. Ionics, 2018, 24, 2343-2353.	2.4	12
117	Effect of transition metals (MO-TiO2, MnO2, Fe2O3, and ZnO) on crystallization and electrical conductivity of SiO2â€“CaOâ€“Na2Oâ€“P2O5-based glass-ceramics. Ionics, 2020, 26, 2959-2967.	2.4	12
118	Preparation of Y2Ti2O7 pyrochlore using high-energy ball milling and their structural, thermal and conducting properties. Ionics, 2012, 18, 479-486.	2.4	11
119	Study of the Structural and Electrical Behaviour of Ca Doped LaInO₃Electrolyte Material. Transactions of the Indian Ceramic Society, 2013, 72, 32-35.	1.0	11
120	Selfâ€Healing Behavior of Bariumâ€“Lanthanumâ€“Borosilicate Glass and Its Reactivity with Different Electrolytes for <scp>SOFC</scp> Applications. International Journal of Applied Ceramic Technology, 2014, 11, 136-145.	2.1	11
121	Role of Sr 2+ substitution on structural, thermal and conducting behavior of Bi 1âˆ’x Sr x FeO 3 (0.40â‰¤ Tj ETQq1 1 0.784314 rgBT /O	4.8	11
122	Thermal and kinetic parameters of 30Li2Oâ€“55B2O3â€“5ZnOâ€“xTiO2â€“(10âˆ’x)V2O5 (0Ââ‰¤xâ‰¤10) glasses. Journal of Thermal Analysis and Calorimetry, 2015, 122, 189-195.	3.6	11
123	Effect of Ni substitution on the structural and optical properties of SrZr1-xNixO3 (0.05â‰¤xâ‰¤0.20) perovskites. Journal of Molecular Structure, 2019, 1180, 659-664.	3.6	11
124	Studies on Sr substituted lanthanum indate as mixed ionic conductor. Journal of Materials Science, 2012, 47, 4520-4529.	3.7	10
125	Structural and optical properties of La and Gd substituted Bi4â€‰â€“â€‰x M x V2O11â€‰â€“â€‰Î´ (0.1â€‰â‰¤â€‰xâ€‰â‰¤â€‰ 20, 73-81.	2.4	10
126	Effect of two different sites substitution on structural and optical properties of Bi4V2O11âˆ’Î´. Physica B: Condensed Matter, 2014, 440, 78-82.	2.7	10

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127	A comparative structural, thermal and electrical study of Ca2+, Sr2+ substituted BiMnO3. Solid State Ionics, 2014, 268, 23-30.	2.7	10
128	Optical, thermal, electrical and morphological study of La 1-x Ca x GaO 3-Î´ (x=0, 0.05, 0.10, 0.15 and 0.20) electrolyte. Journal of the European Ceramic Society, 2016, 36, 3165-3171.	5.7	10
129	Structural Investigation of Catalytically Grown Carbon Nanotubes. Materials and Manufacturing Processes, 2016, 31, 989-994.	4.7	10
130	Catalytic activity of tungsten carbide-carbon (WC@C) core-shell structured for ethanol electro-oxidation. Materials Chemistry and Physics, 2017, 186, 19-28.	4.0	10
131	Dielectric and optical properties of glasses and glass-ceramics synthesized from agro-food wastes. Materials Chemistry and Physics, 2020, 246, 122754.	4.0	10
132	Synthesis and characterization of Bi-doped zirconia for solid electrolyte. Ionics, 2010, 16, 549-554.	2.4	9
133	Dielectric properties of Ti substituted Bi2â^'Ti O3+/2 ceramics. Ceramics International, 2013, 39, 1785-1792.	4.8	9
134	Effect of Thermal Treatment on Chemical Interaction Between Yttrium Borosilicate Glass Sealants and <scp>YSZ</scp> for Planar Solid Oxide Fuel Cells. International Journal of Applied Glass Science, 2014, 5, 410-420.	2.0	9
135	Influence of thermal stability on dielectric properties of SiO2â€“K2Oâ€“CaOâ€“MgO glasses. Journal of Thermal Analysis and Calorimetry, 2017, 128, 745-754.	3.6	9
136	Braunite phase embedded Y2O3/MnO2-Al2O3-CaO-SiO2 glass ceramics and their properties. Materials Research Bulletin, 2018, 98, 34-40.	5.2	9
137	Influence of anatase-brookite composition on photocatalytic degradation of diethyl phthalate. Ceramics International, 2021, 47, 30702-30710.	4.8	8
138	Structural, thermal and conductive properties of Bi4â^'xMxV2O11 (M=La, Gd; 0â©½xâ©½0.4) compounds. Current Applied Physics, 2009, 9, 1467-1473.	2.4	7
139	Simulation of thermal stress within diffusion couple of composite seals with Crofer 22APU for solid oxide fuel cells applications. Journal of Power Sources, 2013, 242, 305-313.	7.8	7
140	Interaction Study of Yttriaâ€Based Glasses with Highâ€Temperature Electrolyte forÂSOFC. Fuel Cells, 2014, 14, 635-644.	2.4	7
141	Î³-Phase stabilized Bi4BaxV2â^'xO11â^'Î´ (0.0 â‰¤ x â‰¤ 0.20): Structural, thermal and conducting properties. Solid State Ionics, 2015, 278, 233-238.	2.7	7
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