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	Dielectric Properties of the Calcium Silicate Glass-Ceramics Prepared from Agro-Food Wastes. Silicon, 2022, 14, 1489-1496.	3.3	4
2	In-vitro Biological Evaluation of Diopside Bio-ceramic Synthesized From Sustainable Agro-food Waste Ashes. Silicon, 2022, 14, 7423-7433.	3.3	4
3	Perovskite-structured cobalt-free cathode materials for solid oxide fuel cells. , 2022, , 357-373.		2
4	SrO effect on the structure, phase separation and crystallization kinetics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si30.svg"><mml:mrow><mml:mi>C</mml:mi><mml:mi>a</mml:mi><mml:mi>O</mml:mi><mml:mo linebreak="goodbreak">â^’</mml:mo><mml:mi>S</mml:mi><mml:mi>i</mml:mi><mml:msub><mml:mi>O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo linebreak="goodbreak">â^’</mml:mo><mml:msub><mml:mi>B</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>O</mml:mi> Journal of Non-Crystalline Solids, 2022, 576, 121301.	3.1	5
5	Structural and optical properties of agro-food wastes derived glasses synthesized in two different crucibles. Materials Today: Proceedings, 2022, , .	1.8	0
6	Photoluminescent properties of rare-earth doped perovskite calcium silicates and related systems. , 2022, , 89-113.		0
7	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
8	Photoluminescence and structural properties of airâ€reduced rareâ€earth (<scp>Eu</scp>) doped calcium silicates derived using biomass wastes. Biofuels, Bioproducts and Biorefining, 2022, 16, 562-575.	3.7	1
9	Growth of different nanocrystalline phases in ZnOâ€“Li2Oâ€“B2O3â€“TiO2â€“V2O5 glass and their effect on photoluminescence and photocatalytic activity. Ceramics International, 2022, 48, 20619-20626.	4.8	7
10	X-Ray Photoelectron spectroscopy and high resolution TEM studies of glass composites. Journal of Physics: Conference Series, 2022, 2267, 012127.	0.4	0
11	An interfacial study between SrZr0.85Cu0.15O3- and barium oxide-containing borosilicate glass sealant for solid oxide fuel cell application. Materials Chemistry and Physics, 2022, , 126441.	4.0	0
12	Synthesis, Characterization and Bioactivity of Fluoride Containing Borosilicate Glass Matrix Composite. Silicon, 2021, 13, 1723-1730.	3.3	4
13	Evaluating the role of composition and local structure on alkali outâ€diffusion in glasses for thinâ€film solar cells. Journal of the American Ceramic Society, 2021, 104, 851-859.	3.8	4
14	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
15	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
16	Mechanical and physical properties of SrO-ZrO2 modified SODA lime borosilicate glasses. AIP Conference Proceedings, 2021, , .	0.4	1
17	Dysprosium doped and titanium activated calcium silicates for cool white light emitting diode derived from natural resources. Journal of Molecular Structure, 2021, 1227, 129665.	3.6	5
18	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

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19	Influence of Al3+ doping for V5+ on the structural, optical, thermal and electrical properties of V2-Al O5- (x=0â€“0.20) ceramics. Ceramics International, 2021, 47, 10724-10732.	4.8	5
20	Samarium doped calcium silicate derived from agro-food wastes and their structural, optical and luminescent properties. Ceramics International, 2021, 47, 21588-21598.	4.8	5
21	Effect of TiO2 doping on structural and electrical properties of melt-quench V2â^'xTixO5â^'Î´, 0.15â€‰â‰€â€‰xâ€‰â‰€â€‰0.30 systems. Journal of Materials Science: Materials in Electronics, 2021, 32, 12594-12607.	2.2	1
22	Diffusional investigation of alkali ions from composition tuned glass substrates to Mo-thin film for solar cell application. Surfaces and Interfaces, 2021, 24, 101060.	3.0	3
23	Optical and photoluminescence properties of CaV2O6 functionalized by sodium doping. Materials Today Communications, 2021, 27, 102354.	1.9	0
24	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
25	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
26	Ceramic biomaterials: Properties, state of the art and future prospectives. Ceramics International, 2021, 47, 28059-28074.	4.8	67
27	Influence of anatase-brookite composition on photocatalytic degradation of diethyl phthalate. Ceramics International, 2021, 47, 30702-30710.	4.8	8
28	Influence of samarium doping on the phase stability and optical properties of calcium silicates derived from agro-food wastes. Journal of Materials Science: Materials in Electronics, 2021, 32, 26397-26411.	2.2	0
29	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
30	Effect of MnO on structural, optical and thermoluminescence properties of lithium borosilicate glasses. Journal of Luminescence, 2020, 219, 116872.	3.1	20
31	Review of perovskite-structure related cathode materials for solid oxide fuel cells. Ceramics International, 2020, 46, 5521-5535.	4.8	141
32	<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:m activated <mml:. Ceramics International, 2020, 46, 9370-9379.	4.8	13
33	Bioactive calcium silicate glass synthesized from sustainable biomass wastes. Biofuels, Bioproducts and Biorefining, 2020, 14, 1141-1151.	3.7	5
34	Effect of minor phase (CuO) on sinterability, grain size, and dielectric properties of CaCu3Ti4O12 ceramics. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
35	Structural, thermal and electrical study of copper-doped strontium zirconate. Ionics, 2020, 26, 6233-6244.	2.4	13
36	Dielectric and optical properties of glasses and glass-ceramics synthesized from agro-food wastes. Materials Chemistry and Physics, 2020, 246, 122754.	4.0	10

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37	Biomass as a sustainable resource for valueâ€added modern materials: a review. Biofuels, Bioproducts and Biorefining, 2020, 14, 673-695.	3.7	51
38	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
39	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
40	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
41	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
42	Evolution of Ca2SiO4 and Ca3Si2O7 crystalline phases synthesized from agro-food waste ashes. AIP Conference Proceedings, 2019, , .	0.4	3
43	Review on titanium and titanium based alloys as biomaterials for orthopaedic applications. Materials Science and Engineering C, 2019, 102, 844-862.	7.3	883
44	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
45	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
46	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
47	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
48	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
49	Antimicrobial and bioactive phosphate-free glassâ€“ceramics for bone tissue engineering applications. Materials Science and Engineering C, 2018, 86, 9-17.	7.3	28
50	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
51	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
52	Optical and thermal properties of glasses and glass-ceramics derived from agricultural wastes. Ceramics International, 2018, 44, 947-952.	4.8	38
53	Braunite phase embedded Y2O3/MnO2-Al2O3-CaO-SiO2 glass ceramics and their properties. Materials Research Bulletin, 2018, 98, 34-40.	5.2	9
54	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

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55	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
56	Na2O doped CeO2 and their structural, optical, conducting and dielectric properties. Physica B: Condensed Matter, 2018, 550, 189-198.	2.7	26
57	Optimization of High Conducting Na3Zr2Si2PO12 Phase by new Phosphate Salt for Solid Electrolyte. Silicon, 2017, 9, 411-419.	3.3	13
58	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
59	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
60	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
61	Influence of modifier on dielectric and ferroelectric properties of aluminosilicate glasses. Journal of Non-Crystalline Solids, 2017, 465, 26-30.	3.1	6
62	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
63	Effect of mixed oxide/fluoride bonding on the dielectric properties of oxyfluoride glasses. Journal of Materials Science: Materials in Electronics, 2017, 28, 18986-18993.	2.2	5
64	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
65	Effect of ZrO2 on dielectric, optical and structural properties of yttrium calcium borosilicate glasses. Ceramics International, 2017, 43, 722-727.	4.8	74
66	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
67	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
68	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
69	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
70	Agricultural wastes as a resource of raw materials for developing low-dielectric glass-ceramics. Scientific Reports, 2016, 6, 24617.	3.3	62
71	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
72	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

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73	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
74	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
75	Non-isothermal crystallization kinetics of K 2 O modified sodium-phosphate glasses. Journal of Non-Crystalline Solids, 2016, 440, 76-84.	3.1	23
76	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
77	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
78	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
79	Structural Investigation of Catalytically Grown Carbon Nanotubes. Materials and Manufacturing Processes, 2016, 31, 989-994.	4.7	10
80	Dielectric, optical and structural properties of Bi4V2â^'Sr O11â^' (0.05â‰xâ‰0.20). Journal of Physics and Chemistry of Solids, 2015, 85, 18-25.	4.0	4
81	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
82	Effect of two different dopants (Mg2+ and Ca2+) and processing parameters on Î³-phase stabilization and conductivity of Bi4V2O11â^'Î´. Ceramics International, 2015, 41, 9496-9504.	4.8	3
83	Mechanical, dielectric and optical assessment of glass composites prepared using milling technique. Bulletin of Materials Science, 2015, 38, 1003-1008.	1.7	14
84	Effect of Processing Methods and Die Design Parameters on Green Properties of WCâ€“Co Nanopowder Pellets. Materials and Manufacturing Processes, 2015, 30, 1329-1341.	4.7	4
85	Crystallization and Glass Transition Kinetics of Na₂s-P₂s₅-Based Super-Ionic Glasses. Particulate Science and Technology, 2015, 33, 166-171.	2.1	4
86	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
87	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
88	Structural, Conductivity, and Dielectric Relaxation Studies of La0.9Ba0.1GaO3-Î´System. Particulate Science and Technology, 2015, 33, 113-118.	2.1	1
89	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
90	Effect of Processing Variables on WC Nanoparticles Synthesized by Solvothermal Route. Particulate Science and Technology, 2015, 33, 47-52.	2.1	4

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91	Structure and crystallization kinetics of Li2O modified sodium-phosphate glasses. Journal of Molecular Structure, 2015, 1094, 174-182.	3.6	12
92	Optical and thermal properties of (70Ââ^'Âx)SiO2â€“xNa2Oâ€“15CaOâ€“10Al2O3â€“5TiO2 (10Ââ‰ÂxÂâ‰Â25) glasses. Journal of Thermal Analysis and Calorimetry, 2015, 120, 1163-1171.	3.6	12
93	Thermal and kinetic parameters of 30Li2Oâ€“55B2O3â€“5ZnOâ€“xTiO2â€“(10â^'x)V2O5 (0Ââ‰ÂxÂâ‰Â10) glasses. Journal of Thermal Analysis and Calorimetry, 2015, 122, 189-195.	3.6	11
94	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
95	Effect of dopants ionic radii on dielectric properties of Bi4V2â^'x ME x O11â^'Î´ (where xÂ=Â0.0 and 0.15;) Tj ETQq1 1 0.784314 rgBT	2.3	5
96	Structural and optical study of Î³ â€“BIMEVOX; ME: Ba2+ and Sr2+. AIP Conference Proceedings, 2015, , .	0.4	1
97	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
98	FTIR spectral analysis and mechanical properties of sodium phosphate glassâ€“ceramics. Journal of Molecular Structure, 2015, 1083, 278-285.	3.6	72
99	Structural, Thermal, and Electrical Study of Bi_{0.5}Sr_{0.5}MnO₃. Particulate Science and Technology, 2015, 33, 178-183.	2.1	4
100	Nanocrystalline glass ceramics: Structural, physical and optical properties. Journal of Molecular Structure, 2015, 1081, 211-216.	3.6	35
101	Structural and electrical behavior of Ba-doped LaGaO3 composite electrolyte. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	6
102	Photocatalytic degradation of diethyl phthalate using TiO2 nanoparticles. , 2014, , .		0
103	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
104	Influence of Ca2+ substitution on thermal, structural, and conductivity behavior of Bi1â^'xCaxFeO3â^'y (0.40Ââ‰ÂxÂâ‰Â0.55). Journal of Thermal Analysis and Calorimetry, 2014, 118, 255-262.	3.6	2
105	Optical, mechanical and TEM assessment of titania-doped Bi2V1â^'x Ti x O5â‹…5â^'Î´ bismuth vanadate oxides. Bulletin of Materials Science, 2014, 37, 1647-1656.	1.7	2
106	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
107	Structural and thermal analysis of in situ synthesized Câ€“WC nanocomposites. Ceramics International, 2014, 40, 5157-5164.	4.8	26
108	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

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109	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
110	Effect of Ca substitution on structural, magnetic and dielectric properties of BiFeO3. Phase Transitions, 2014, 87, 527-540.	1.3	15
111	Effect of two different sites substitution on structural and optical properties of Bi4V2O11â˜Î´. Physica B: Condensed Matter, 2014, 440, 78-82.	2.7	10
112	Role of Sr 2+ substitution on structural, thermal and conducting behavior of Bi 1â˜'x Sr x FeO 3 (0.40â‰) Tj ETQq0 0 0 rgBT /Overlock 1	4.8	11
113	A comparative structural, thermal and electrical study of Ca2+, Sr2+ substituted BiMnO3. Solid State Ionics, 2014, 268, 23-30.	2.7	10
114	Effect of TiO2on the photocatalytic properties of bismuth oxide. Environmental Technology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	3
115	Interaction Study of Yttriaâ€Based Glasses with Highâ€Temperature Electrolyte forÂSOFC. Fuel Cells, 2014, 14, 635-644.	2.4	7
116	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
117	Structural and optical properties of quenched and heat-treated Bi4V2â˜'xMgxO11â˜Î´ (0.0â‰¤xâ‰¤0.20). Ceramics International, 2014, 40, 14801-14808.	4.8	4
118	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
119	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
120	Structural and optical properties of Bi4Mg0.05V1.95O11â˜Î´ synthesized via melt quench technique. , 2014, , .		1
121	Williamsonâ€"Hall study on synthesized nanocrystalline tungsten carbide (WC). Applied Physics A: Materials Science and Processing, 2013, 113, 237-242.	2.3	40
122	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
123	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
124	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
125	Single step synthesis of nano vanadium carbideâ€"V8C7 phase. International Journal of Refractory Metals and Hard Materials, 2013, 36, 106-110.	3.8	33
126	Dielectric properties of Ti substituted Bi2â˜'Ti O3+/2 ceramics. Ceramics International, 2013, 39, 1785-1792.	4.8	9

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127	Structural and thermal properties of Na2Sâ€“P2S5 glass and glass ceramics. Journal of Non-Crystalline Solids, 2013, 379, 89-94.	3.1	15
128	Structural and optical properties of melt quenched barium doped bismuth vanadate. Physica B: Condensed Matter, 2013, 431, 89-93.	2.7	14
129	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
130	Structural and thermal properties of in-situ reduced WO3 to W powder. Powder Technology, 2013, 237, 9-13.	4.2	24
131	A new cadmium complex material for yellowish-green light electroluminescent devices. , 2013, , .		1
132	Synthesis and characterization of zinc doped nano TiO[sub 2] for efficient photocatalytic degradation of Eriochrome Black T. , 2013, , .		1
133	Synthesis of vanadium carbide nanoparticles by thermal decomposition of the precursor. , 2013, , .		2
134	Electric relaxation behavior of Bi[sub 0.5]Sr[sub 0.5]FeO[sub 3] ceramic: An electric modulus approach. , 2013, , .		0
135	Na₂S-P₂S₅Based Super-Ionic Glasses for Solid Electrolytes. Transactions of the Indian Ceramic Society, 2013, 72, 5-9.	1.0	6
136	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
137	Glass Sealants and Their Interaction Study with Interconnect Materials. Transactions of the Indian Ceramic Society, 2012, 71, 203-206.	1.0	5
138	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
139	Structural, thermal, and electrical properties of (100â^'x) ZrO2 (x) Bi2O3 compound. Ionics, 2012, 18, 759-767.	2.4	2
140	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
141	Microstructural Analysis of Interfaces between Lanthanum Contained Glass and Two Different Electrolytes for SOFC Applications. Fuel Cells, 2012, 12, 739-748.	2.4	15
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