

Mohd Hafiz Mohd Zaid

List of Publications by Year in descending order

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136
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docs citations

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times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	Shielding features of concrete types containing sepiolite mineral: Comprehensive study on experimental, XCOM and MCNPX results. Results in Physics, 2018, 11, 40-45.	2.0	127
2	Comprehensive study on physical, elastic and shielding properties of lead zinc phosphate glasses. Journal of Non-Crystalline Solids, 2017, 457, 97-103.	1.5	118
3	Effect of ZnO on the Physical Properties and Optical Band Gap of Soda Lime Silicate Glass. International Journal of Molecular Sciences, 2012, 13, 7550-7558.	1.8	98
4	Photon parameters for gamma-rays sensing properties of some oxide of lanthanides. Results in Physics, 2018, 9, 206-210.	2.0	98
5	Comprehensive study on physical, elastic and shielding properties of ternary BaO-Bi ₂ O ₃ -P ₂ O ₅ glasses as a potent radiation shielding material. Journal of Non-Crystalline Solids, 2017, 468, 92-99.	1.5	97
6	Comparison of Monte Carlo simulation of gamma ray attenuation coefficients of amino acids with XCOM program and experimental data. Results in Physics, 2018, 9, 6-11.	2.0	89
7	Synthesis and structural properties of coconut husk as potential silica source. Results in Physics, 2018, 11, 1-4.	2.0	87
8	Evaluation of the shielding parameters of alkaline earth based phosphate glasses using MCNPX code. Results in Physics, 2019, 12, 101-106.	2.0	87
9	Effect of PbO on optical properties of tellurite glass. Results in Physics, 2018, 8, 16-25.	2.0	82
10	Phase Transformations of γ -Alumina Made from Waste Aluminum via a Precipitation Technique. International Journal of Molecular Sciences, 2012, 13, 16812-16821.	1.8	79
11	A comprehensive study of the energy absorption and exposure buildup factors of different bricks for gamma-rays shielding. Results in Physics, 2017, 7, 2528-2533.	2.0	79
12	Influence of lead and zinc oxides on the radiation shielding properties of tellurite glass systems. Ceramics International, 2020, 46, 17300-17306.	2.3	64
13	Multi-objective optimization strategies for radiation shielding performance of BZBB glasses using Bi ₂ O ₃ : A FLUKA Monte Carlo code calculations. Journal of Materials Research and Technology, 2020, 9, 12335-12345.	2.6	53
14	The influence of PbO and Bi ₂ O ₃ on the radiation shielding and elastic features for different glasses. Journal of Materials Research and Technology, 2020, 9, 8429-8438.	2.6	52
15	The influence of heavy elements on the ionizing radiation shielding efficiency and elastic properties of some tellurite glasses: Theoretical investigation. Results in Physics, 2020, 19, 103496.	2.0	50
16	Effect of sintering temperature on physical, structural and optical properties of wollastonite based glass-ceramic derived from waste soda lime silica glasses. Results in Physics, 2017, 7, 2242-2247.	2.0	47
17	Comprehensive study on compositional dependence of optical band gap in zinc soda lime silica glass system for optoelectronic applications. Journal of Non-Crystalline Solids, 2016, 449, 107-112.	1.5	46
18	The usability of ark clam shell (Anadara granosa) as calcium precursor to produce hydroxyapatite nanoparticle via wet chemical precipitate method in various sintering temperature. SpringerPlus, 2016, 5, 1206.	1.2	46

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19	Effects of polyvinylpyrrolidone on structural and optical properties of willemite semiconductor nanoparticles by polymer thermal treatment method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2249-2268.	2.0	46
20	Effect of sintering temperature on the crystal growth, microstructure and mechanical strength of foam glass-ceramic from waste materials. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5640-5647.	2.6	45
21	Biodegradable Poly (lactic acid)/Poly (ethylene glycol) Reinforced Multi-Walled Carbon Nanotube Nanocomposite Fabrication, Characterization, Properties, and Applications. <i>Polymers</i> , 2020, 12, 427.	2.0	38
22	Optical band gap and photoluminescence studies of Eu ³⁺ -doped zinc silicate derived from waste rice husks. <i>Optik</i> , 2019, 182, 486-495.	1.4	37
23	Comprehensive study on estimation of gamma-ray exposure buildup factors for smart polymers as a potent application in nuclear industries. <i>Results in Physics</i> , 2018, 9, 585-592.	2.0	36
24	Preparation of a Chemically Reduced Graphene Oxide Reinforced Epoxy Resin Polymer as a Composite for Electromagnetic Interference Shielding and Microwave-Absorbing Applications. <i>Polymers</i> , 2018, 10, 1180.	2.0	36
25	Optical studies on Tb ³⁺ : Dy ³⁺ singly and doubly doped Borosilicate glasses for white light and solid state lighting applications. <i>Journal of Non-Crystalline Solids</i> , 2020, 534, 119943.	1.5	36
26	The Effect of Remelting on the Physical Properties of Borotellurite Glass Doped with Manganese. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1022-1030.	1.8	35
27	Investigation on structural and optical properties of SLS-ZnO glasses prepared using a conventional melt quenching technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3722-3729.	1.1	35
28	Structural and optical properties of Er ³⁺ -doped willemite glass-ceramics from waste materials. <i>Optik</i> , 2016, 127, 11698-11705.	1.4	35
29	Fabrication of Ni, Cr, W reinforced new high alloyed stainless steels for radiation shielding applications. <i>Results in Physics</i> , 2019, 12, 1-6.	2.0	35
30	Study of the elastic properties of (PbO) _x (P ₂ O ₅) _{1-x} lead phosphate glass using an ultrasonic technique. <i>Journal of Non-Crystalline Solids</i> , 2013, 361, 78-81.	1.5	34
31	Effect of Sintering Temperature on Structural and Morphological Properties of Europium (III) Oxide Doped Willemite. <i>Journal of Spectroscopy</i> , 2014, 2014, 1-8.	0.6	34
32	Structural and optical properties of Eu ³⁺ activated low cost zinc soda lime silica glasses. <i>Results in Physics</i> , 2016, 6, 640-644.	2.0	34
33	Effects of Calcination Holding Time on Properties of Wide Band Gap Willemite Semiconductor Nanoparticles by the Polymer Thermal Treatment Method. <i>Molecules</i> , 2018, 23, 873.	1.7	34
34	Fabrication and Crystallization of ZnO-SLS Glass Derived Willemite Glass-Ceramics as a Potential Material for Optics Applications. <i>Journal of Spectroscopy</i> , 2016, 2016, 1-7.	0.6	32
35	Synthesis and characterization of low cost willemite based glass-ceramic for opto-electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11158-11167.	1.1	32
36	A Systematical Characterization of TeO ₂ -V ₂ O ₅ Glass System Using Boron (III) Oxide and Neodymium (III) Oxide Substitution: Resistance Behaviors against Ionizing Radiation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3035.	1.3	32

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37	Effect of ZnO on the phase transformation and optical properties of silicate glass frits using rice husk ash as a SiO ₂ source. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11013-11021.	2.6	31
38	Effects of cobalt doping on structural, morphological, and optical properties of Zn ₂ SiO ₄ nanophosphors prepared by sol-gel method. <i>Results in Physics</i> , 2017, 7, 3820-3825.	2.0	30
39	Synthesis and optical properties of europium doped zinc silicate prepared using low cost solid state reaction method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1092-1099.	1.1	28
40	Influence of zinc oxide on the physical, structural and optical band gap of zinc silicate glass system from waste rice husk ash. <i>Optik</i> , 2017, 136, 129-135.	1.4	27
41	Physical and spectroscopic characteristics of lithium-aluminium-borate glass: Effects of varying Nd ₂ O ₃ doping contents. <i>Journal of Non-Crystalline Solids</i> , 2022, 575, 121214.	1.5	26
42	Chemically Reduced Graphene Oxide-Reinforced Poly(Lactic Acid)/Poly(Ethylene Glycol) Nanocomposites: Preparation, Characterization, and Applications in Electromagnetic Interference Shielding. <i>Polymers</i> , 2019, 11, 661.	2.0	25
43	Effect of MnO ₂ doped on physical, structure and optical properties of zinc silicate glasses from waste rice husk ash. <i>Results in Physics</i> , 2017, 7, 955-961.	2.0	24
44	Ultrasonic and artificial intelligence approach: Elastic behavior on the influences of ZnO in tellurite glass systems. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155350.	2.8	23
45	Microwave absorption properties of single- and double-layer coatings based on strontium hexaferrite and graphite nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14031-14045.	1.1	22
46	Investigation of shielding parameters of some boron containing resources for gamma ray and fast neutron. <i>Results in Physics</i> , 2019, 13, 102129.	2.0	22
47	Impact of Dy ₂ O ₃ Substitution on the Physical, Structural and Optical Properties of Lithium-Aluminium-Borate Glass System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8183.	1.3	22
48	Fabrication and characterization of glass and glass-ceramic from rice husk ash as a potent material for opto-electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17611-17621.	1.1	21
49	Characterization and optical properties of erbium oxide doped ZnO-SLS glass for potential optical and optoelectronic materials. <i>Materials Express</i> , 2017, 7, 59-65.	0.2	21
50	Bismuth modified gamma radiation shielding properties of titanium vanadium sodium tellurite glasses as a potent transparent radiation-resistant glass applications. <i>Nuclear Engineering and Technology</i> , 2021, 53, 1323-1330.	1.1	21
51	Effect of bismuth and lithium substitution on radiation shielding properties of zinc borate glass system using Phy-X/PSD simulation. <i>Results in Physics</i> , 2021, 20, 103768.	2.0	21
52	Investigation on Structural and Optical Properties of Willemite Doped Mn ²⁺ Based Glass-Ceramics Prepared by Conventional Solid-State Method. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-7.	0.6	20
53	Exploring Eu ³⁺ -doped ZnO-SiO ₂ glass derived by recycling renewable source of waste rice husk for white-LEDs application. <i>Results in Physics</i> , 2019, 15, 102596.	2.0	20
54	Effect of sintering temperature on physical and structural properties of Alumino-Silicate-Fluoride glass ceramics fabricated from clam shell and soda lime silicate glass. <i>Results in Physics</i> , 2019, 12, 1909-1914.	2.0	20

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55	The Physical and Optical Studies of Crystalline Silica Derived from the Green Synthesis of Coconut Husk Ash. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2128.	1.3	20
56	Thermal, structural and optical properties of Bi ₂ O ₃ -Na ₂ O-TiO ₂ -ZnO-TeO ₂ glass system. <i>Journal of Non-Crystalline Solids</i> , 2021, 555, 120621.	1.5	20
57	Studying the Effect of ZnO on Physical and Elastic Properties of (ZnO) _x (P ₂ O ₅) _{1-x} Glasses Using Nondestructive Ultrasonic Method. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-6.	1.0	18
58	Comprehensive study on structural and optical properties of Tm ₂ O ₃ doped zinc silicate based glass-ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19861-19866.	1.1	18
59	Promising applicable heterometallic Al ₂ O ₃ /PbO ₂ nanoparticles in shielding properties. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13956-13962.	2.6	18
60	Synthesis and characterization of samarium doped calcium soda-lime-silicate glass derived wollastonite glass-ceramics. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13153-13160.	2.6	18
61	Phase Transformation, Optical and Emission Performance of Zinc Silicate Glass-Ceramics Phosphor Derived from the ZnO-B ₂ O ₃ -SLS Glass System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4940.	1.3	18
62	Effects of Calcination on the Crystallography and Nonbiogenic Aragonite Formation of Ark Clam Shell under Ambient Condition. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-8.	1.0	17
63	Synthesis of cobalt oxide Co ₃ O ₄ doped zinc silicate based glass-ceramic derived for LED applications. <i>Optik</i> , 2019, 179, 919-926.	1.4	17
64	Comprehensive study on evaluation of shielding parameters of selected soils by gamma and X-rays transmission in the range 13.94-88.04 keV using WinXCom and FFAST programs. <i>Results in Physics</i> , 2019, 15, 102751.	2.0	16
65	Artificial neural network prediction on ultrasonic performance of bismuth-tellurite glass compositions. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14082-14092.	2.6	16
66	The effect of boron substitution on the glass-forming ability, phase transformation and optical performance of zinc-boro-soda-lime-silicate glasses. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6987-6993.	2.6	16
67	Soda lime silicate glass and clam Shell act as precursor in synthesise calcium fluoroaluminosilicate glass to fabricate glass ionomer cement with different ageing time. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6125-6134.	2.6	16
68	Influence of ZnO to the physical, elastic and gamma radiation shielding properties of the tellurite glass system using MCNP-5 simulation code. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109665.	1.4	16
69	Effect of sintering temperatures on structural and optical properties of ZnO-Zn ₂ SiO ₄ composite prepared by using amorphous SiO ₂ nanoparticles. <i>Journal of the Australian Ceramic Society</i> , 2019, 55, 115-122.	1.1	15
70	Simple thermal treatment approach for the synthesis of Zn ₂ SiO ₄ nanoparticles. <i>Optics and Laser Technology</i> , 2021, 140, 106991.	2.2	15
71	Fabrication of Alumino-Silicate-Fluoride based bioglass derived from waste clam shell and soda lime silica glasses. <i>Results in Physics</i> , 2019, 12, 743-747.	2.0	14
72	Sintering Temperature Effect on Structural and Optical Properties of Heat Treated Coconut Husk Ash Derived SiO ₂ Mixed with ZnO Nanoparticles. <i>Materials</i> , 2020, 13, 2555.	1.3	14

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73	Influence of heavy metal oxides to the mechanical and radiation shielding properties of borate and silica glass system. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1322-1330.	2.6	14
74	Low cost phosphors: Structural and photoluminescence properties of Mn ²⁺ -doped willemite glass-ceramics. <i>Optik</i> , 2016, 127, 8076-8081.	1.4	13
75	Manganese modified structural and optical properties of zinc soda lime silica glasses. <i>Applied Optics</i> , 2016, 55, 2182.	2.1	13
76	Recent Developments in Carbon Nanotubes-Reinforced Ceramic Matrix Composites: A Review on Dispersion and Densification Techniques. <i>Crystals</i> , 2021, 11, 457.	1.0	13
77	Comprehensive study on effect of sintering temperature on the physical, structural and optical properties of Er ³⁺ doped ZnO-GSLs glasses. <i>Results in Physics</i> , 2017, 7, 2224-2231.	2.0	12
78	Synthesis and green luminescence of low cost Er ₂ O ₃ doped zinc silicate glass-ceramics as laser materials. <i>Optik</i> , 2019, 184, 480-484.	1.4	12
79	Addition of ZnO nanoparticles on waste rice husk as potential host material for red-emitting phosphor. <i>Materials Science in Semiconductor Processing</i> , 2020, 106, 104774.	1.9	12
80	A Study on Optical Properties of Zinc Silicate Glass-Ceramics as a Host for Green Phosphor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4938.	1.3	12
81	Reuse of Eggshell Waste and Recycled Glass in the Fabrication Porous Glass-Ceramics. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5404.	1.3	12
82	Development of Novel Transparent Radiation Shielding Glasses by BaO Doping in Waste Soda Lime Silica (SLS) Glass. <i>Sustainability</i> , 2022, 14, 937.	1.6	12
83	A Comprehensive Study on Gamma Rays and Fast Neutron Sensing Properties of GAGOC and CMO Scintillators for Shielding Radiation Applications. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-9.	0.6	11
84	Effect of lead and zinc oxides on the thermal properties of tellurite glass systems. <i>Journal of Non-Crystalline Solids</i> , 2019, 523, 119640.	1.5	11
85	Effects of Sintering Temperature Variation on Synthesis of Glass-Ceramic Phosphor Using Rice Husk Ash as Silica Source. <i>Materials</i> , 2020, 13, 5413.	1.3	11
86	Influence of Calcination Temperature on Crystal Growth and Optical Characteristics of Eu ³⁺ Doped ZnO/Zn ₂ SiO ₄ Composites Fabricated via Simple Thermal Treatment Method. <i>Crystals</i> , 2021, 11, 115.	1.0	11
87	Anticorrosive and Microbial Inhibition Performance of a Coating Loaded with <i>Andrographis paniculata</i> on Stainless Steel in Seawater. <i>Molecules</i> , 2021, 26, 3379.	1.7	11
88	Effect of Ag ₂ O substituted in bioactive glasses: a synergistic relationship between antibacterial zone and radiation attenuation properties. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2194-2201.	2.6	11
89	Effect of heat treatment temperature to the crystal growth and optical performance of Mn ₃ O ₄ doped Zn ₂ SiO ₄ based glass-ceramics. <i>Results in Physics</i> , 2019, 15, 102569.	2.0	10
90	Enhanced green photoluminescence of erbium doped Zn ₂ SiO ₄ glass-ceramics as phosphor in optoelectronic devices. <i>Journal of Alloys and Compounds</i> , 2019, 783, 441-447.	2.8	10

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91	Effect of ark clam shell on crystal growth and mechanical evaluation of foam glass-ceramic derived from cullet glass waste. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 281, 115730.	1.7	10
92	Single- and Double-Layer Microwave Absorbers of Cobalt Ferrite and Graphite Composite at Gigahertz Frequency. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 935-943.	0.8	9
93	Effect of soda lime silica glass doping on ZnO varistor ceramics: dry milling method. <i>Journal of Asian Ceramic Societies</i> , 2020, 8, 909-914.	1.0	9
94	Optical studies of crystalline ZnO-SiO ₂ developed from pyrolysis of coconut husk. <i>Materials Research Express</i> , 2020, 7, 055901.	0.8	9
95	Multiple characterization of some glassy-alloys as photon and neutron shields: In-silico Monte Carlo investigation. <i>Materials Research Express</i> , 2021, 8, 035202.	0.8	9
96	In-Silico Monte Carlo Simulation Trials for Investigation of V ₂ O ₅ Reinforcement Effect on Ternary Zinc Borate Glasses: Nuclear Radiation Shielding Dynamics. <i>Materials</i> , 2021, 14, 1158.	1.3	9
97	Developed selenium dioxide-based ceramics for advanced shielding applications: Au ₂ O ₃ impact on nuclear radiation attenuation. <i>Results in Physics</i> , 2021, 24, 104099.	2.0	9
98	Enhanced luminescence properties of low-cost Mn ²⁺ doped willemite based glass-ceramics as potential green phosphor materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12282-12289.	1.1	8
99	Elastic moduli of TeO ₂ -PbO glass system. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	8
100	Synthesis and Characterization of ZnO-SiO ₂ Composite Using Oil Palm Empty Fruit Bunch as a Potential Silica Source. <i>Molecules</i> , 2021, 26, 1061.	1.7	8
101	Comprehensive study on optical and luminescence properties of Sm ³⁺ doped magnesium borotellurite glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 163, 110563.	1.9	8
102	The Effect of WO ₃ -Doped Soda Lime Silica SLS Waste Glass to Develop Lead-Free Glass as a Shielding Material against Radiation. <i>Sustainability</i> , 2022, 14, 2413.	1.6	8
103	Comparison of Foam Glass-Ceramics with Different Composition Derived from Ark Clamshell (ACS) and Soda Lime Silica (SLS) Glass Bottles Sintered at Various Temperatures. <i>Materials</i> , 2021, 14, 570.	1.3	7
104	Polymer Thermal Treatment Production of Cerium Doped Willemite Nanoparticles: An Analysis of Structure, Energy Band Gap and Luminescence Properties. <i>Materials</i> , 2021, 14, 1118.	1.3	7
105	Tuning the optical bandgap of multi-walled carbon nanotube-modified zinc silicate glass-ceramic composites. <i>Ceramics International</i> , 2021, 47, 20108-20116.	2.3	7
106	Investigation of Optical Properties and Radioactive Attenuation Parameters of Doped Tungsten Oxide Soda Lime Silica SLS Waste Glass. <i>Journal of Materials Research and Technology</i> , 2022, , .	2.6	7
107	Structural, elastic and mechanical analysis of samarium doped zinc-borosilicate glass. <i>Optik</i> , 2022, 267, 169658.	1.4	7
108	Effect of calcium oxide in the zinc-boro-soda-lime-silica glass matrix by using eggshell waste as calcium source. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	6

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109	The elastic, mechanical and optical properties of bismuth modified borate glass: Experimental and artificial neural network simulation. <i>Optical Materials</i> , 2022, 126, 112170.	1.7	6
110	Use of a Reflectance Spectroscopy Accessory for Optical Characterization of ZnO-Bi ₂ O ₃ -TiO ₂ Ceramics. <i>International Journal of Molecular Sciences</i> , 2011, 12, 1496-1504.	1.8	5
111	Evaluation of radiation absorption characteristics in different parts of some medicinal aromatic plants in the low energy region. <i>Results in Physics</i> , 2019, 12, 94-100.	2.0	5
112	Synergistic Effects of Pr ₆ O ₁₁ and Co ₃ O ₄ on Electrical and Microstructure Features of ZnO-BaTiO ₃ Varistor Ceramics. <i>Materials</i> , 2021, 14, 702.	1.3	5
113	Effect of CNT on microstructural properties of Zn ₂ SiO ₄ /CNT composite via dry powder processing. <i>Materials Research Express</i> , 2020, 7, 105601.	0.8	5
114	Synthesis, mechanical characterization and photon radiation shielding properties of ZnO-Al ₂ O ₃ -Bi ₂ O ₃ -B ₂ O ₃ glass system. <i>Optical Materials</i> , 2021, 122, 111640.	1.7	5
115	Frontiers in Organic Corrosion Inhibitors for Chloride and Acidic Media: A Review. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, 1.	1.2	5
116	The Effects of SLS on Structural and Complex Permittivity of SLS-HDPE Composites. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-7.	0.8	4
117	Incorporation of Hydroxyapatite into Glass Ionomer Cement (GIC) Formulated Based on Alumino-Silicate-Fluoride Glass Ceramics from Waste Materials. <i>Materials</i> , 2021, 14, 954.	1.3	4
118	Sustainable Production of Arecanut Husk Ash as Potential Silica Replacement for Synthesis of Silicate-Based Glass-Ceramics Materials. <i>Materials</i> , 2021, 14, 1141.	1.3	4
119	Effects of Particle Size on the Dielectric, Mechanical, and Thermal Properties of Recycled Borosilicate Glass-Filled PTFE Microwave Substrates. <i>Polymers</i> , 2021, 13, 2449.	2.0	4
120	Influence of Sintering Duration on Crystal Phase and Optical Band Gap of Mn ³⁺ -Doped Willemite-Based Glass-Ceramics. <i>Journal of Electronic Materials</i> , 2022, 51, 1163-1168.	1.0	4
121	Effects of mixed TeO ₂ -B ₂ O ₃ glass formers on optical and radiation shielding properties of 70[xTeO ₂ +(1-x)B ₂ O ₃]+15Na ₂ O+15K ₂ O glass system. <i>Physica Scripta</i> , 2022, 97, 045804.	1.2	4
122	Comprehensive Study on Elastic Moduli Prediction and Correlation of Glass and Glass Ceramic Derived from Waste Rice Husk. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-10.	1.0	3
123	Red emission, upconversion and intensity parameters of erbium oxide doped tellurite glass for laser glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24415-24428.	1.1	3
124	The characteristics on structural and optical of Co ₃ O ₄ incorporated Zn ₂ SiO ₄ for phosphor approaches. <i>Journal of Molecular Structure</i> , 2022, 1248, 131474.	1.8	3
125	A Study of Fluoride-Containing Bioglass System for Dental Materials Derived from Clam Shell and Soda Lime Silica Glass. <i>Journal of Spectroscopy</i> , 2020, 2020, 1-9.	0.6	2
126	Comprehensive comparison on optical properties of samarium oxide (micro/nano) particles doped tellurite glass for optoelectronics applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14174-14185.	1.1	2

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127	Influence of nanometric microstructural development on thermophysical properties of lanthanum-doped strontium titanate. <i>Materials Chemistry and Physics</i> , 2021, 270, 124867.	2.0	2
128	Synthesis of Eu ³⁺ -Doped ZnO/Zn ₂ SiO ₄ Composite Phosphor for Potent Optoelectronic Applications. <i>Brazilian Journal of Physics</i> , 2022, 52, 1.	0.7	2
129	Enlightening the structural, elastic, and luminescence properties of transparent Zn ₂ SiO ₄ glass-ceramic by precipitation of Gd ₂ O ₃ as dopant. <i>Optical Materials</i> , 2022, 131, 112602.	1.7	2
130	Effect of Co ₃ O ₄ doping and sintering temperature on optical energy band gap properties in Zn-Bi-Ti-O varistor ceramics. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
131	Calcination effect to the physical and optical properties of Zn ₂ SiO ₄ composite prepared by impregnation of ZnO on SiO ₂ amorphous nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 440, 012036.	0.3	1
132	Small Angle Neutron Scattering Study of a Gehlenite-Based Ceramic Fabricated from Industrial Waste. <i>Solid State Phenomena</i> , 2019, 290, 22-28.	0.3	1
133	Physical and mechanical properties of fired clay bricks substituted with agricultural waste. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	1
134	Sintering-Crystallization and Optical Characterization of Dy ³⁺ : ZnO- β -Zn ₂ O ₃ -RHA Glass-Ceramics. <i>Macromolecular Symposia</i> , 2022, 401, 2100316.	0.4	1
135	EFFECT OF MnO ₂ DOPING ON NONLINEAR COEFFICIENT OF ZN-BI-TI-O VARISTOR CERAMICS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
136	Physical properties of low energy consumption fired industrial waste-clay bricks from cockle shells and soda lime silica glass. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0