

Khamirul Amin Matori

List of Publications by Year in descending order

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149
papers

3,650
citations

136740

32
h-index

197535

49
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150
all docs

150
docs citations

150
times ranked

2969
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Optical Properties of Ag Nanoparticles Synthesized by Thermal Treatment Method. Materials, 2017, 10, 402.	1.3	121
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 Milling Time on the Microstructure, Physical and Mechanical Properties of Al-Al ₂ O ₃ Nanocomposite Synthesized by Ball Milling and Powder Metallurgy. Materials, 2017, 10, 1232.	1.3	101
4	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
5	Photon parameters for gamma-rays sensing properties of some oxide of lanthanides. Results in Physics, 2018, 9, 206-210.	2.0	98
6	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
7	Optical properties of zinc lead tellurite glasses. Results in Physics, 2018, 9, 1371-1376.	2.0	91
8	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
9	Synthesis and structural properties of coconut husk as potential silica source. Results in Physics, 2018, 11, 1-4.	2.0	87
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	On the correlation between microstructural evolution and ultrasonic properties: a review. Journal of Materials Science, 2015, 50, 2643-2665.	1.7	67
13	Corrosion behavior of Al6061 alloy weldment produced by friction stir welding process. Journal of Materials Research and Technology, 2015, 4, 314-322.	2.6	64
14	A Study on Microwave Absorption Properties of Carbon Black and Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ Nanocomposites by Tuning the Matching-Absorbing Layer Structures. Scientific Reports, 2020, 10, 3135.	1.6	64
15	Effects of CNTs content and milling time on mechanical behavior of MWCNT-reinforced aluminum nanocomposites. Materials Chemistry and Physics, 2015, 166, 160-166.	2.0	56
16	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
17	Sintering behavior, ac conductivity and dielectric relaxation of Li _{1.3} Ti _{1.7} Al _{0.3} (PO ₄) ₃ NASICON compound. Results in Physics, 2016, 6, 719-725.	2.0	51
18	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

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19	Comprehensive study on compositional dependence of optical band gap in zinc soda lime silica glass system for optoelectronic applications. <i>Journal of Non-Crystalline Solids</i> , 2016, 449, 107-112.	1.5	46
20	The usability of ark clam shell (<i>Anadara granosa</i>) as calcium precursor to produce hydroxyapatite nanoparticle via wet chemical precipitate method in various sintering temperature. SpringerPlus, 2016, 5, 1206.	1.2	46
21	Influence of Poly(vinylpyrrolidone) concentration on properties of silver nanoparticles manufactured by modified thermal treatment method. <i>PLoS ONE</i> , 2017, 12, e0186094.	1.1	46
22	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
23	Mineralogy and thermal expansion study of mullite-based ceramics synthesized from coal fly ash and aluminum dross industrial wastes. <i>Ceramics International</i> , 2019, 45, 7488-7494.	2.3	45
24	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
25	Effect of post weld heat treatment on microstructure and mechanical properties of gas tungsten arc welded AA6061-T6 alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 3102-3114.	1.7	39
26	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
27	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
28	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
29	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
30	Investigation on structural and optical properties of SLS ²⁺ 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
31	Influence of sintering temperature on the structural, magnetic and dielectric properties of Ni _{0.8} Zn _{0.2} Fe ₂ O ₄ synthesized by co-precipitation route. <i>Journal of Alloys and Compounds</i> , 2010, 503, 111-117.	2.8	34
32	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
33	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
34	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
35	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
36	Crystallization behavior of low-cost biphasic hydroxyapatite/ ¹² -tricalcium phosphate ceramic at high sintering temperatures derived from high potential calcium waste sources. <i>Results in Physics</i> , 2019, 12, 638-644.	2.0	34

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37	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
38	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
39	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
40	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
41	Corrosion behavior of friction stir welded lap joints of AA6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 672-681.	0.6	29
42	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
43	Oxide ion polarizabilities and gamma radiation shielding features of TeO ₂ -B ₂ O ₃ -SiO ₂ glasses containing Bi ₂ O ₃ using Phy-X/PSD software. <i>Materials Today Communications</i> , 2022, 31, 103472.	0.9	28
44	Europium doped low cost Zn ₂ SiO ₄ based glass ceramics: A study on fabrication, structural, energy band gap and luminescence properties. <i>Materials Science in Semiconductor Processing</i> , 2017, 61, 27-34.	1.9	26
45	Multi-Objective Optimization of Friction Stir Welding Process Parameters of AA6061-T6 and AA7075-T6 Using a Biogeography Based Optimization Algorithm. <i>Materials</i> , 2017, 10, 533.	1.3	26
46	Synthesis and characterization of binary (CuO) _{0.6} (CeO ₂) _{0.4} nanoparticles via a simple heat treatment method. <i>Results in Physics</i> , 2018, 9, 471-478.	2.0	26
47	Milling time and BPR dependence on permeability and losses of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ synthesized via mechanical alloying process. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1470-1476.	1.0	25
48	Development and Characterization Studies of Eu ³⁺ -doped Zn ₂ SiO ₄ Phosphors with Waste Silicate Sources. <i>Procedia Chemistry</i> , 2016, 19, 21-29.	0.7	25
49	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
50	Nanomechanical Behavior of Multi-Walled Carbon Nanotubes Particulate Reinforced Aluminum Nanocomposites Prepared by Ball Milling. <i>Materials</i> , 2016, 9, 140.	1.3	24
51	Modified cenospheres as non-sacrificial pore-forming agent for porous mullite ceramics. <i>Ceramics International</i> , 2019, 45, 21827-21834.	2.3	23
52	Influence of rotational speed on mechanical properties of friction stir lap welded 6061-T6 Al alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1004-1011.	1.7	22
53	Effect of PbO on the elastic behavior of ZnO-P ₂ O ₅ glass systems. <i>Results in Physics</i> , 2016, 6, 449-455.	2.0	22
54	Copper oxide nanoparticles synthesized by a heat treatment approach with structural, morphological and optical characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1025-1033.	1.1	22

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55	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
56	Photoluminescence properties of Eu ³⁺ -doped low cost zinc silicate based glass ceramics. <i>Optik</i> , 2016, 127, 3727-3729.	1.4	21
57	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
58	Preparation and characterization of porous alumina ceramics using different pore agents. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 402-412.	0.5	21
59	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
60	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
61	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
62	Artificial neural network modeling of p-cresol photodegradation. <i>Chemistry Central Journal</i> , 2013, 7, 96.	2.6	19
63	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
64	Structural, electrical conductivity and dielectric relaxation behavior of LiHf ₂ (PO ₄) ₃ ceramic powders. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 307-316.	1.1	18
65	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
66	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
67	Process-microstructure-properties relationship in Al-CNTs-Al ₂ O ₃ nanocomposites manufactured by hybrid powder metallurgy and microwave sintering process. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 2339-2354.	1.7	18
68	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
69	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
70	Cadmium oxide reinforced 46V ₂ O ₅ -46P ₂ O ₅ -(8-x)B ₂ O ₃ -xCdO semiconducting oxide glasses and resistance behaviors against ionizing gamma rays. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2336-2349.	2.6	18
71	Effect of the Welding Speed on the Macrostructure, Microstructure and Mechanical Properties of AA6061-T6 Friction Stir Butt Welds. <i>Metals</i> , 2017, 7, 48.	1.0	17
72	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

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73	Effect of AlF ₃ on the Density and Elastic Properties of Zinc Tellurite Glass Systems. <i>Materials</i> , 2012, 5, 1361-1372.	1.3	16
74	Interactions between photodegradation components. <i>Chemistry Central Journal</i> , 2012, 6, 100.	2.6	16
75	An elucidating study on physical and structural properties of 45S5 glass at different sintering temperatures. <i>Journal of Non-Crystalline Solids</i> , 2015, 412, 24-29.	1.5	16
76	Effect of Hydroxyapatite Reinforced with 45S5 Glass on Physical, Structural and Mechanical Properties. <i>Procedia Chemistry</i> , 2016, 19, 30-37.	0.7	16
77	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
78	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
79	Soda lime silicate glass and clam Shell act as precursor in synthesize 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
80	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
81	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
82	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
83	Dependence of magnetic properties and microstructure of mechanically alloyed Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ on soaking time. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2463-2470.	1.0	14
84	The Transition from Paramagnetic to Ferromagnetic States as Influenced by Evolving Microstructure of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 71-77.	0.8	14
85	Controlling the Properties of OPEFB/PLA Polymer Composite by Using Fe ₂ O ₃ for Microwave Applications. <i>Fibers and Polymers</i> , 2018, 19, 1513-1521.	1.1	14
86	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
87	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
88	Evaluation of the color stability of temporary materials produced with CAD/CAM. <i>Dental and Medical Problems</i> , 2021, 58, 187-191.	0.7	14
89	Low cost phosphors: Structural and photoluminescence properties of Mn ²⁺ -doped willemite glass-ceramics. <i>Optik</i> , 2016, 127, 8076-8081.	1.4	13
90	Manganese modified structural and optical properties of zinc soda lime silica glasses. <i>Applied Optics</i> , 2016, 55, 2182.	2.1	13

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91	Influence of Pr doping on the thermal, structural and optical properties of novel SLS-ZnO glasses for red phosphor. Results in Physics, 2017, 7, 1202-1206.	2.0	13
92	The Effect of Commercial Rice Husk Ash Additives on the Porosity, Mechanical Properties, and Microstructure of Alumina Ceramics. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.0	13
93	Comprehensive study on effect of sintering temperature on the physical, structural and optical properties of Er ³⁺ doped ZnO-GSLs glasses. Results in Physics, 2017, 7, 2224-2231.	2.0	12
94	Addition of ZnO nanoparticles on waste rice husk as potential host material for red-emitting phosphor. Materials Science in Semiconductor Processing, 2020, 106, 104774.	1.9	12
95	A Study on Optical Properties of Zinc Silicate Glass-Ceramics as a Host for Green Phosphor. Applied Sciences (Switzerland), 2020, 10, 4938.	1.3	12
96	Reuse of Eggshell Waste and Recycled Glass in the Fabrication Porous Glass-Ceramics. Applied Sciences (Switzerland), 2020, 10, 5404.	1.3	12
97	A Comprehensive Study on Gamma Rays and Fast Neutron Sensing Properties of GAGOC and CMO Scintillators for Shielding Radiation Applications. Journal of Spectroscopy, 2017, 2017, 1-9.	0.6	11
98	Effects of crystalline phase formation of multiferroic BiFeO ₃ on microwave absorption characteristics. Journal of Materials Science: Materials in Electronics, 2018, 29, 13229-13240.	1.1	11
99	Effects of Sintering Temperature Variation on Synthesis of Glass-Ceramic Phosphor Using Rice Husk Ash as Silica Source. Materials, 2020, 13, 5413.	1.3	11
100	The Effect of the Addition of CNTs on the Microstructure, Densification and Mechanical Behavior in Al-CNT-Al ₂ O ₃ Hybrid Nanocomposites. Jom, 2020, 72, 2283-2294.	0.9	11
101	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. Crystals, 2021, 11, 115.	1.0	11
102	Anticorrosive and Microbial Inhibition Performance of a Coating Loaded with Andrographis paniculata on Stainless Steel in Seawater. Molecules, 2021, 26, 3379.	1.7	11
103	Effect of Ag ₂ O substituted in bioactive glasses: a synergistic relationship between antibacterial zone and radiation attenuation properties. Journal of Materials Research and Technology, 2021, 13, 2194-2201.	2.6	11
104	Artificial Neural Network Modelling of Photodegradation in Suspension of Manganese Doped Zinc Oxide Nanoparticles under Visible-Light Irradiation. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	10
105	Effect of Ratio in Ammonium Nitrate on the Structural, Microstructural, Magnetic, and AC Conductivity Properties of BaFe ₁₂ O ₁₉ . Materials, 2018, 11, 2190.	1.3	10
106	Effect of heat treatment temperature to the crystal growth and optical performance of Mn ₃ O ₄ doped $\hat{1}\pm$ -Zn ₂ SiO ₄ based glass-ceramics. Results in Physics, 2019, 15, 102569.	2.0	10
107	Enhanced green photoluminescence of erbium doped Zn ₂ SiO ₄ glass-ceramics as phosphor in optoelectronic devices. Journal of Alloys and Compounds, 2019, 783, 441-447.	2.8	10
108	Optical Properties of Erbium Zinc Tellurite Glass System. Advances in Materials Science and Engineering, 2015, 2015, 1-5.	1.0	9

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109	Fabrication, Characterization, and Functionalization of Single-Walled Carbon Nanotube Conjugated with Tamoxifen and Its Anticancer Potential against Human Breast Cancer Cells. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-13.	1.5	9
110	Effect of Temperature on Morphology, Phase Transformations and Thermal Expansions of Coal Fly Ash Cenospheres. <i>Crystals</i> , 2020, 10, 481.	1.0	9
111	Optical studies of crystalline ZnO-SiO ₂ developed from pyrolysis of coconut husk. <i>Materials Research Express</i> , 2020, 7, 055901.	0.8	9
112	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
113	Optimizing Bi ₂ O ₃ and TiO ₂ to achieve the maximum non-linear electrical property of ZnO low voltage varistor. <i>Chemistry Central Journal</i> , 2013, 7, 137.	2.6	8
114	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
115	Characterization of High-Temperature Hierarchical Porous Mullite Washcoat Synthesized Using Aluminum Dross and Coal Fly Ash. <i>Crystals</i> , 2020, 10, 178.	1.0	8
116	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
117	Structural, Electromagnetic and Microwave Properties of Magnetite Extracted from Mill Scale Waste via Conventional Ball Milling and Mechanical Alloying Techniques. <i>Materials</i> , 2021, 14, 7075.	1.3	8
118	Investigation of the nugget zone corrosion behavior in friction stir welded lap joints of 6061-T6 aluminum alloy. <i>Materials Research</i> , 2014, 17, 1563-1574.	0.6	7
119	Effect of soda-lime-silica glass addition on the physical properties of ceramic obtained from white rice husk ash. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 161-165.	0.5	7
120	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
121	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
122	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
123	Effect of sintering on crystallization and structural properties of soda lime silica glass. <i>Science of Sintering</i> , 2017, 49, 409-417.	0.5	7
124	Densification rate and interfacial adhesion of bilayer cemented tungsten carbide and steel. <i>International Journal of Materials Research</i> , 2017, 108, 1090-1098.	0.1	6
125	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. <i>Materials</i> , 2020, 13, 5218.	1.3	6
126	Velocity and attenuation of ultrasonic wave in Al-Al ₂ O ₃ nanocomposite and their correlation to microstructural evolution during synthesizing procedure. <i>Journal of Materials Research and Technology</i> , 2021, 15, 2529-2542.	2.6	6

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127	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
128	Electrical evaluation of ceramic obtained from white rice husk ash and soda lime silica glass for electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5491-5495.	1.1	5
129	Optical and Structural Properties of Zn ₂ SiO ₄ :Mn ²⁺ from SLS Waste Bottle Obtained by a Solid State Method. <i>Procedia Chemistry</i> , 2016, 19, 57-67.	0.7	5
130	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
131	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
132	Recording-media-related morphology and magnetic properties of crystalline CoPt ₃ and CoPt ₃ -Au core-shell nanoparticles synthesized via reverse microemulsion. <i>Journal of Applied Physics</i> , 2014, 116, 093907.	1.1	4
133	Characterization of Aging Behavior of AA6061 Aluminum Alloy Through Destructive and Ultrasonic Non-destructive Testing Techniques. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 561-569.	0.7	4
134	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
135	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
136	P-E hysteresis loop evaluation and dielectric studies of ceramic obtained from white rice husk ash for electronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6157-6162.	1.1	3
137	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
138	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
139	Occurrence of Pattern Formation of Microstructural, Physical and Mechanical Properties of Sintered PM Steels Containing Pre-Alloyed Astaloy E Powder. <i>Transactions of the Indian Institute of Metals</i> , 2014, 67, 881-888.	0.7	2
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