

# Gokhan Kilic

## List of Publications by Year in descending order

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49  
papers

1,298  
citations

279798

23  
h-index

377865

34  
g-index

49  
all docs

49  
docs citations

49  
times ranked

366  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerium (IV) oxide reinforced Lithium-Borotellurite glasses: A characterization study through physical, optical, structural and radiation shielding properties. <i>Ceramics International</i> , 2022, 48, 1152-1165.	4.8	27
2	A closer-look on Copper(II) oxide reinforced Calcium-Borate glasses: Fabrication and multiple experimental assessment on optical, structural, physical, and experimental neutron/gamma shielding properties. <i>Ceramics International</i> , 2022, 48, 6780-6791.	4.8	32
3	Structural characterization and gamma-ray attenuation properties of rice-like $\text{TeO}_2$ crystalline microstructures (CMS) grown rapidly on free surface of tellurite-based glasses. <i>Journal of Materials Research and Technology</i> , 2022, 16, 1179-1189.	5.8	8
4	Synthesis and characterization of vanadium(V) oxide reinforced calcium-borate glasses: Experimental assessments on $\text{Al}_2\text{O}_3/\text{BaO}_2/\text{ZnO}$ contributions. <i>Journal of Non-Crystalline Solids</i> , 2022, 580, 121397.	3.1	14
5	A detailed investigation on highly dense CuZr bulk metallic glasses for shielding purposes. <i>Open Chemistry</i> , 2022, 20, 69-80.	1.9	45
6	Synthesis and experimental characterization on fast neutron and gamma-ray attenuation properties of high-dense and transparent Cadmium oxide (CdO) glasses for shielding purposes. <i>Ceramics International</i> , 2022, 48, 23444-23451.	4.8	29
7	Four-phases characterization of synthesised $\text{CeO}_2$ thin films: Effect of molarity on structural, optical, physical properties and gamma-ray attenuation parameters. <i>Ceramics International</i> , 2022, 48, 25041-25048.	4.8	1
8	CdO-rich quaternary tellurite glasses for nuclear safety purposes: Synthesis and experimental gamma-ray and neutron radiation assessment of high-density and transparent samples. <i>Optical Materials</i> , 2022, 129, 112512.	3.6	24
9	Diagnostic and therapeutic radioisotopes in nuclear medicine: Determination of gamma-ray transmission factors and safety competencies of high-dense and transparent glassy shields. <i>Open Chemistry</i> , 2022, 20, 517-524.	1.9	9
10	Calculation of NaI(Tl) detector efficiency using $^{226}\text{Ra}$ , $^{232}\text{Th}$ , and $^{40}\text{K}$ radioisotopes: Three-phase Monte Carlo simulation study. <i>Open Chemistry</i> , 2022, 20, 541-549.	1.9	5
11	Transmission factors, mechanical, and gamma ray attenuation properties of barium-phosphate-tungsten glasses: Incorporation impact of $\text{WO}_3$ . <i>Optik</i> , 2022, 267, 169643.	2.9	11
12	Physical, thermal, optical, structural and nuclear radiation shielding properties of $\text{Sm}_2\text{O}_3$ reinforced borotellurite glasses. <i>Ceramics International</i> , 2021, 47, 6154-6168.	4.8	35
13	A journey for exploration of $\text{Eu}_2\text{O}_3$ reinforcement effect on zinc-borate glasses: Synthesis, optical, physical and nuclear radiation shielding properties. <i>Ceramics International</i> , 2021, 47, 2572-2583.	4.8	44
14	$\text{Ta}_2\text{O}_5$ reinforced $\text{Bi}_2\text{O}_3\text{-TeO}_2\text{-ZnO}$ glasses: Fabrication, physical, structural characterization, and radiation shielding efficacy. <i>Optical Materials</i> , 2021, 112, 110757.	3.6	59
15	In-Silico Monte Carlo Simulation Trials for Investigation of $\text{V}_2\text{O}_5$ Reinforcement Effect on Ternary Zinc Borate Glasses: Nuclear Radiation Shielding Dynamics. <i>Materials</i> , 2021, 14, 1158.	2.9	9
16	A Systematical Characterization of $\text{TeO}_2\text{-V}_2\text{O}_5$ Glass System Using Boron (III) Oxide and Neodymium (III) Oxide Substitution: Resistance Behaviors against Ionizing Radiation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3035.	2.5	32
17	The role of $\text{B}_2\text{O}_3$ on the structural, thermal, and radiation protection efficacy of vanadium phosphate glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	40
18	Deposition of cadmium (II) oxide-reinforced VP glassy thin films by thermionic vacuum arc (TVA) and structural characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16311-16323.	2.2	2

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19	The Impact of CuO on physical, structural, optical and thermal properties of dark VPB semiconducting glasses. <i>Optical Materials</i> , 2021, 116, 111084.	3.6	24
20	Newly Developed Vanadium-Based Glasses and Their Potential for Nuclear Radiation Shielding Aims: A Monte Carlo Study on Gamma Ray Attenuation Parameters. <i>Materials</i> , 2021, 14, 3897.	2.9	15
21	Cadmium oxide reinforced $46\text{V}_2\text{O}_5\text{-}46\text{P}_2\text{O}_5\text{-}(8\text{-}x)\text{B}_2\text{O}_3\text{-}x\text{CdO}$ semiconducting oxide glasses and resistance behaviors against ionizing gamma rays. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2336-2349.	5.8	18
22	Ytterbium (III) oxide reinforced novel $\text{TeO}_2\text{-B}_2\text{O}_3\text{-V}_2\text{O}_5$ glass system: Synthesis and optical, structural, physical and thermal properties. <i>Ceramics International</i> , 2021, 47, 18517-18531.	4.8	52
23	Novel HMO-Glasses with $\text{Sb}_2\text{O}_3$ and $\text{TeO}_2$ for Nuclear Radiation Shielding Purposes: A Comparative Analysis with Traditional and Novel Shields. <i>Materials</i> , 2021, 14, 4330.	2.9	17
24	Optical and physical behaviours of newly developed germanium-tellurium (GeTe) glasses: a comprehensive experimental and in-silico study with commercial glasses and ordinary shields. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 22953-22973.	2.2	11
25	A Closer Look on Nuclear Radiation Shielding Properties of $\text{Eu}^{3+}$ Doped Heavy Metal Oxide Glasses: Impact of $\text{Al}_2\text{O}_3/\text{PbO}$ Substitution. <i>Materials</i> , 2021, 14, 5334.	2.9	12
26	Fabrication, structural, optical, physical and radiation shielding characterization of indium (III) oxide reinforced $85\text{TeO}_2\text{-}(15\text{-}x)\text{ZnO-xIn}_2\text{O}_3$ glass system. <i>Ceramics International</i> , 2021, 47, 27305-27315.	4.8	32
27	Synthesis and structural, optical, physical properties of Gadolinium (III) oxide reinforced $\text{TeO}_2\text{-B}_2\text{O}_3\text{-}(20\text{-}x)\text{Li}_2\text{O-xGd}_2\text{O}_3$ glass system. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160302.	5.5	32
28	Exploration of material characteristics of tantalum borosilicate glasses by experimental, simulation, and theoretical methods. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 159, 110282.	4.0	17
29	Trivalent Ions and Their Impacts on Effective Conductivity at 300 K and Radio-Protective Behaviors of Bismo-Borate Glasses: A Comparative Investigation for Al, Y, Nd, Sm, Eu. <i>Materials</i> , 2021, 14, 5894.	2.9	4
30	Mechanical Properties, Elastic Moduli, and Gamma Radiation Shielding Properties of Some Zinc Sodium Tetraborate Glasses: A Closer Look at $\text{ZnO}/\text{CaO}$ Substitution. <i>Journal of Electronic Materials</i> , 2021, 50, 6844-6853.	2.2	13
31	Fast Neutron and Gamma-Ray Attenuation Properties of Some HMO Tellurite-Tungstate-Antimonate Glasses: Impact of $\text{Sm}^{3+}$ Ions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10168.	2.5	9
32	Gamma-Ray Protection Properties of Bismuth-Silicate Glasses against Some Diagnostic Nuclear Medicine Radioisotopes: A Comprehensive Study. <i>Materials</i> , 2021, 14, 6668.	2.9	22
33	Synthesis, characterization and crystalline phase studies of $\text{TeO}_2\text{-Ta}_2\text{O}_5\text{-ZnO}/\text{ZnF}_2$ oxyfluoride semiconducting glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119747.	3.1	28
34	$\text{Ta}_2\text{O}_5$ -doped zinc-borate glasses: physical, structural, optical, thermal, and radiation shielding properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	21
35	Charged particles and gamma-ray shielding features of oxyfluoride semiconducting glasses: $\text{TeO}_2\text{-Ta}_2\text{O}_5\text{-ZnO}/\text{ZnF}_2$ . <i>Ceramics International</i> , 2020, 46, 25035-25042.	4.8	43
36	Role of $\text{Nd}^{3+}$ ions in $\text{TeO}_2\text{-V}_2\text{O}_5\text{-}(B_2O_3/\text{Nd}_2O_3)$ glasses: structural, optical, and thermal characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12892-12902.	2.2	19

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37	Structural and physical characterization study on synthesized tellurite (TeO <sub>2</sub> ) and germanate (GeO <sub>2</sub> ) glass shields using XRD, Raman spectroscopy, FLUKA and PHITS. <i>Optical Materials</i> , 2020, 110, 110533.	3.6	40
38	Synthesis of novel AgO-doped vanadium borophosphate semiconducting glasses and investigation of their optical, structural, and thermal properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8986-8995.	2.2	27
39	Novel zinc vanadyl boro-phosphate glasses: ZnO-V <sub>2</sub> O <sub>5</sub> -P <sub>2</sub> O <sub>5</sub> -B <sub>2</sub> O <sub>3</sub> : Physical, thermal, and nuclear radiation shielding properties. <i>Ceramics International</i> , 2020, 46, 19318-19327.	4.8	66
40	The effect of B <sub>2</sub> O <sub>3</sub> /CdO substitution on structural, thermal, and optical properties of new black PVB/Cd semiconducting oxide glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	18
41	Newly developed Zinc-Tellurite glass system: An experimental investigation on impact of Ta <sub>2</sub> O <sub>5</sub> on nuclear radiation shielding ability. <i>Journal of Non-Crystalline Solids</i> , 2020, 544, 120169.	3.1	51
42	Investigation of optical, physical, and gamma-ray shielding features of novel vanadyl boro-phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 533, 119905.	3.1	96
43	FTIR, UV-Vis-NIR spectroscopy, and gamma rays shielding competence of novel ZnO-doped vanadium borophosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9099-9113.	2.2	90
44	Effect of low ratio V <sup>5+</sup> doping on structural and optical properties of borotellurite semiconducting oxide glasses. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15156-15167.	2.2	30
45	Characterization of Er <sup>3+</sup> doped ZnTeTa semiconducting oxide glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8920-8930.	2.2	26
46	The synthesis and characterization of zinc-tellurite semiconducting oxide glasses containing Ta <sub>2</sub> O <sub>5</sub> . <i>Materials Research Express</i> , 2019, 6, 065907.	1.6	24
47	Optical and surface properties of semiconducting glassy thin films prepared by RF sputtering technique from B <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-MgO-V <sub>2</sub> O <sub>5</sub> :CoO glass targets. <i>Materials Letters</i> , 2012, 68, 193-196.	2.6	3
48	Formation of black glass to be used in solar collectors as absorbent and CuO and Fe <sub>2</sub> O <sub>3</sub> 's effect on this glass. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5196-5200.	7.1	9
49	Synthesis and Optical, Thermal, Structural Investigation of Zinc-Borate Glasses Containing V <sub>2</sub> O <sub>5</sub> . <i>Adnan Yaman University Journal of Science</i> , 0, , .	0.0	3