

Basudeb Karmakar

List of Publications by Year in descending order

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114
papers

3,293
citations

126858

33
h-index

175177

52
g-index

115
all docs

115
docs citations

115
times ranked

2816
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanosilver enhanced upconversion fluorescence of erbium ions in Er ³⁺ : Ag-antimony glass nanocomposites. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	151
2	EPR, FTIR, optical absorption and photoluminescence studies of Fe ₂ O ₃ and CeO ₂ doped ZnO–Bi ₂ O ₃ –B ₂ O ₃ glasses. <i>Journal of Alloys and Compounds</i> , 2010, 493, 256-262.	2.8	114
3	Dense silica microspheres from organic and inorganic acid hydrolysis of TEOS. <i>Journal of Non-Crystalline Solids</i> , 2000, 272, 119-126.	1.5	113
4	Hydrolysis–condensation reactions of TEOS in the presence of acetic acid leading to the generation of glass-like silica microspheres in solution at room temperature. <i>Journal of Materials Chemistry</i> , 2000, 10, 2289-2293.	6.7	104
5	Surface Plasmon Resonance and Enhanced Fluorescence Application of Single-step Synthesized Elliptical Nano Gold-embedded Antimony Glass Dichroic Nanocomposites. <i>Plasmonics</i> , 2010, 5, 149-159.	1.8	101
6	Core-shell Au-Ag nanoparticles in dielectric nanocomposites with plasmon-enhanced fluorescence: A new paradigm in antimony glasses. <i>Nano Research</i> , 2009, 2, 607-616.	5.8	98
7	Nephelauxetic effect of low phonon antimony oxide glass in absorption and photoluminescence of rare-earth ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1766-1782.	2.0	90
8	Enhancement of Er ³⁺ upconverted luminescence in Er ³⁺ : Au-antimony glass dichroic nanocomposites containing hexagonal Au nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, B21.	0.9	84
9	Microstructure, mechanical, thermal, EPR, and optical properties of MgAl ₂ O ₄ :Cr ³⁺ spinel glass–ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2014, 583, 498-509.	2.8	80
10	Efficient green and red fluorescence upconversion in erbium doped new low phonon antimony glasses. <i>Optical Materials</i> , 2009, 31, 609-618.	1.7	68
11	Deposition of nanocrystalline CuS thin film from a single precursor: Structural, optical and electrical properties. <i>Materials Chemistry and Physics</i> , 2011, 130, 392-397.	2.0	68
12	Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 724-731.	4.0	68
13	Green and red fluorescence upconversion in neodymium-doped low phonon antimony glasses. <i>Journal of Alloys and Compounds</i> , 2009, 476, 383-389.	2.8	66
14	Infrared-to-red upconversion luminescence in samarium-doped antimony glasses. <i>Journal of Luminescence</i> , 2008, 128, 1989-1996.	1.5	65
15	Thermal, Structural, and Enhanced Photoluminescence Properties of Eu ³⁺ -doped Transparent Willemite Glass–Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2424-2431.	1.9	64
16	Nano silver:antimony glass hybrid nanocomposites and their enhanced fluorescence application. <i>Solid State Sciences</i> , 2011, 13, 887-895.	1.5	63
17	Effects of nucleating agents on crystallization and microstructure of fluorophlogopite mica-containing glass–ceramics. <i>Journal of Materials Science</i> , 2014, 49, 1612-1623.	1.7	61
18	Fabrication and enhanced photoluminescence properties of Sm ³⁺ -doped ZnO–Al ₂ O ₃ –B ₂ O ₃ –SiO ₂ glass derived willemite glass–ceramic nanocomposites. <i>Optical Materials</i> , 2014, 36, 1463-1470.	1.7	60

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19	Crystallization Kinetics and Mechanism of Low-Expansion Lithium Aluminosilicate Glass-Ceramics by Dilatometry. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2572-2574.	1.9	59
20	Preparation and characterization of novel foamed porous glass-ceramics. <i>Materials Characterization</i> , 2015, 103, 90-100.	1.9	58
21	Chemical synthesis of mesoporous CuO from a single precursor: Structural, optical and electrical properties. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1900-1904.	1.4	56
22	Structure and properties of low-phonon antimony glasses and nano glass-ceramics in $K_2O\text{-}B_2O_3\text{-}Sb_2O_3$ system. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 987-999.	1.5	51
23	IRRS, UV-Vis-NIR absorption and photoluminescence upconversion in Ho^{3+} -doped oxyfluorophosphate glasses. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2663-2672.	1.4	50
24	Synthesis and enhanced photoluminescence in novel Au-core-Ag-shell nanoparticles embedded Nd^{3+} -doped antimony oxide glass hybrid nanocomposites. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 2469-2479.	1.1	47
25	FT-IRRS, UV-Vis-NIR absorption and green upconversion in Er^{3+} doped lead silicate glass. <i>Journal of Non-Crystalline Solids</i> , 2004, 342, 132-139.	1.5	44
26	Effects of SiO_2 and TiO_2 fillers on thermal and dielectric properties of eco-friendly bismuth glass microcomposites of plasma display panels. <i>Bulletin of Materials Science</i> , 2010, 33, 33-41.	0.8	41
27	Surface plasmon resonance in nano-gold antimony glass-ceramic dichroic nanocomposites: One-step synthesis and enhanced fluorescence application. <i>Applied Surface Science</i> , 2009, 255, 9447-9452.	3.1	39
28	Enhanced frequency upconversion of Sm^{3+} ions by elliptical Au nanoparticles in dichroic Sm^{3+} : Au-antimony glass nanocomposites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 640-646.	2.0	37
29	Effects of lanthanum oxide on the properties of barium-free alkaline-earth borosilicate sealant glass. <i>Journal of Non-Crystalline Solids</i> , 2014, 387, 62-70.	1.5	37
30	Structural effects of Zn^{+2}/Mg^{+2} ratios on crystallization characteristics and microstructure of fluorophlogopite mica-containing glass-ceramics. <i>Solid State Sciences</i> , 2015, 44, 10-21.	1.5	37
31	UV transparency and structure of fluorophosphate glasses. <i>Materials Letters</i> , 2002, 57, 953-958.	1.3	36
32	Processing and Properties of Eu^{3+} -Doped Transparent YAG ($Y_3Al_5O_{12}$) Nanoglass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3244-3251.	1.9	36
33	Effects of In-situ Generated Coinage Nanometals on Crystallization and Microstructure of Fluorophlogopite Mica Containing Glass-Ceramics. <i>Journal of Materials Science and Technology</i> , 2015, 31, 110-119.	5.6	36
34	EPR, optical absorption and photoluminescence properties of MnO_2 doped $23B_2O_3\text{-}5ZnO\text{-}72Bi_2O_3$ glasses. <i>Physica B: Condensed Matter</i> , 2010, 405, 2157-2161.	1.3	35
35	Influence of Ce, Nd, Sm and Gd oxides on the properties of alkaline-earth borosilicate glass sealant. <i>Journal of Asian Ceramic Societies</i> , 2016, 4, 29-38.	1.0	34
36	Luminescence and dielectric properties of nano-structured $Eu^{3+}:K_2O\text{-}Nb_2O_5\text{-}SiO_2$ glass-ceramics. <i>Solid State Sciences</i> , 2009, 11, 1325-1332.	1.5	33

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37	Nanocrystalline FeS thin film used as an anode in photo-electrochemical solar cell and as hydrogen peroxide sensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 726-732.	4.0	33
38	Synthesis and characterization of low softening point high Bi ₂ O ₃ glasses in the K ₂ O–B ₂ O ₃ –Bi ₂ O ₃ system. <i>Materials Characterization</i> , 2011, 62, 626-634.	1.9	32
39	Single-Step Synthesis and Surface Plasmons of Bismuth-Coated Spherical to Hexagonal Silver Nanoparticles in Dichroic Ag:Bi ₂ O ₃ Glass Nanocomposites. <i>Plasmonics</i> , 2011, 6, 457-467.	1.8	32
40	Oxidative control of surface plasmon resonance of bismuth nanometal in bismuth glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2010, 119, 355-358.	2.0	31
41	Optical properties of Eu ³⁺ -doped antimony-oxide-based low phonon disordered matrices. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 035603.	0.7	30
42	Synthesis and properties of glasses in the K ₂ O–SiO ₂ –Bi ₂ O ₃ –TiO ₂ system and bismuth titanate (Bi ₄ Ti ₃ O ₁₂) nano glass–ceramics thereof. <i>Journal of Materials Science</i> , 2011, 46, 2967-2976.	1.7	30
43	Structure, dielectric and optical properties of transparent Nd ³⁺ : KNbO ₃ nanocrystalline glass–ceramics. <i>Optical Materials</i> , 2010, 32, 1202-1209.	1.7	29
44	White light-emitting Dy ³⁺ -doped transparent chloroborosilicate glass: synthesis and optical properties. <i>Journal of Asian Ceramic Societies</i> , 2019, 7, 42-52.	1.0	28
45	Synthesis and characterization of nanocrystalline zinc sulfide via zinc thiobenzoate-lutidine single-source precursor. <i>Inorganica Chimica Acta</i> , 2011, 371, 20-26.	1.2	27
46	Optical and dielectric properties of isothermally crystallized nano-KNbO ₃ in Er ³⁺ -doped K ₂ O–Nb ₂ O ₅ –SiO ₂ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 243-250.	2.0	26
47	Electron paramagnetic resonance, optical absorption and photoluminescence properties of Cu ²⁺ ions in ZnO–Bi ₂ O ₃ –B ₂ O ₃ glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 346, 21-25.	1.0	26
48	Rare earth ion controlled crystallization of mica glass-ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 678, 360-369.	2.8	26
49	Nanometal-Glass Hybrid Nanocomposites: Synthesis, Properties and Applications. <i>Transactions of the Indian Ceramic Society</i> , 2010, 69, 171-186.	0.4	24
50	Structure, dielectric and optical properties of Nd ³⁺ -doped LiTaO ₃ transparent ferroelectric glass–ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2010, 489, 281-288.	2.8	23
51	Processing and Properties of Eu ³⁺ :LiTaO ₃ Transparent Glass–Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1934-1939.	1.9	22
52	Plasmon tuning of nano-Au in dichroic devitrified antimony glass nanocomposites by refractive index control. <i>Chemical Physics Letters</i> , 2009, 479, 100-104.	1.2	22
53	Controlled oxidative synthesis of Bi nanoparticles and emission centers in bismuth glass nanocomposites for photonic application. <i>Optical Materials</i> , 2011, 33, 1760-1765.	1.7	20
54	Synthesis and optical properties of multifunctional CdS nanostructured dielectric nanocomposites. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1761.	0.9	20

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55	Microstructural characterization and wear properties of silver and gold nanoparticle doped K-Mg-Al-Si-O-F glass-ceramics. <i>Ceramics International</i> , 2018, 44, 22308-22317.	2.3	20
56	Microstructure and mechanical properties of Ag ⁰ /Au ⁰ doped K-Mg-Al-Si-O-F glass-ceramics. <i>RSC Advances</i> , 2021, 11, 11415-11424.	1.7	20
57	Structure and Properties of Low Phonon Antimony Glasses in the K ₂ O-B ₂ O ₃ -Sb ₂ O ₃ -ZnO System. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2230-2236.	1.9	19
58	Effects of nano-YAG (Y ₃ Al ₅ O ₁₂) crystallization on the structure and photoluminescence properties of Nd ³⁺ -doped K ₂ O-SiO ₂ -Y ₂ O ₃ -Al ₂ O ₃ glasses. <i>Solid State Sciences</i> , 2010, 12, 1756-1763.	1.5	18
59	Synthesis and characterization of chloroborosilicate glasses in the K ₂ O-BaO-Al ₂ O ₃ -B ₂ O ₃ -SiO ₂ -BaCl ₂ system. <i>Journal of Non-Crystalline Solids</i> , 2014, 398-399, 32-41.	1.5	18
60	Photoluminescence enhancement of Eu ³⁺ by energy transfer from Bi ²⁺ to Eu ³⁺ in bismuth glass nanocomposites. <i>RSC Advances</i> , 2011, 1, 751.	1.7	17
61	Synthesis and Properties of SrBi ₂ Ta ₂ O ₉ Based Glass Ceramic Modified with Eu ³⁺ . <i>Journal of the American Ceramic Society</i> , 2012, 95, 1851-1857.	1.9	17
62	Transparent Eu ³⁺ -Doped Ferroelectric Bismuth Titanate Glass Ceramic Nanocomposites: Fabrication and Properties. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3056-3063.	1.9	17
63	Cr ⁶⁺ Controlled Nucleation in SiO ₂ -MgO-Al ₂ O ₃ -K ₂ O-B ₂ O ₃ -F Glass Sealant (SOFC). <i>Frontiers in Materials</i> , 2020, 7, .	1.2	17
64	Blue, green and red upconversions in Ho ₂ O ₃ -doped fluorophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 1377-1382.	1.5	16
65	Fabrication and properties of Nd ³⁺ -doped ferroelectric barium bismuth titanate glass-ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016, 680, 237-246.	2.8	16
66	Processing and Properties of Eu ³⁺ -Doped Barium Bismuth Titanate (BaBi ₄ Ti ₄ O ₁₅) Glass Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2387-2395.	1.5	15
67	Enhanced photoluminescence and structure of Dy ³⁺ -doped SrBi ₂ Ta ₂ O ₉ -containing transparent glass-ceramics. <i>Optical Materials</i> , 2013, 35, 1549-1556.	1.7	15
68	Structure and dielectric properties of potassium niobate nano glass-ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 728-734.	1.1	14
69	Fabrication and photoluminescence properties of Ag ⁰ and Ag ⁰ -Er ³⁺ containing plasmonic glass nanocomposites in the K ₂ O-ZnO-SiO ₂ system. <i>Solid State Sciences</i> , 2014, 37, 144-153.	1.5	14
70	Enhanced photoluminescence up and downconversions of Sm ³⁺ ions by Ag nanoparticles in chloroborosilicate glass nanocomposites. <i>RSC Advances</i> , 2015, 5, 81123-81133.	1.7	14
71	Enhancement and tuning of photoluminescence properties in Pr ³⁺ /Au co-doped antimony oxide glass nanocomposites by thermal treatment. <i>Journal of Alloys and Compounds</i> , 2016, 688, 313-322.	2.8	14
72	Mica (KMg ₃ AlSi ₃ O ₁₀ F ₂) based glass-ceramic composite sealant with thermal stability for SOFC application. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 23480-23488.	3.8	14

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73	In situ electron beam irradiated rapid growth of bismuth nanoparticles in bismuth-based glass dielectrics at room temperature. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3599-3606.	0.8	13
74	White light emitting Ho ³⁺ -doped CdS nanocrystal ingrained glass nanocomposites. <i>Applied Physics Letters</i> , 2015, 106, 083106.	1.5	13
75	Localized Surface Plasmon Absorption and Photoluminescence of In Situ-Generated Nano Silver in a Novel Chloroborosilicate Glass and Glass Ceramics. <i>Plasmonics</i> , 2015, 10, 191-202.	1.8	12
76	Alkoxide Hydrolysis and Preparation of TiO ₂ Powders. <i>Transactions of the Indian Ceramic Society</i> , 1985, 44, 10-14.	0.4	11
77	Infrared Spectroscopic Method for Determination of Thermal Properties of Fluorophosphate Glasses. <i>Journal of the American Ceramic Society</i> , 2000, 83, 1305-1307.	1.9	11
78	Plasmonic AuAgbimetallic alloy nanoparticles enhanced photoluminescence upconversion of Er ³⁺ ions in antimony glass hybrid nanocomposites. <i>Journal of Modern Optics</i> , 2011, 58, 1012-1023.	0.6	10
79	Synthesis and Characterization of Eu ³⁺ -Doped Transparent Glass-ceramics Containing Nanocrystalline Sr ²⁺ and Nb ⁵⁺ ions. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2155-2162.	1.9	10
80	Enhancement of photoluminescence in white light emitting glasses by localized surface plasmons of Ag and Au nanoparticles. <i>Chemical Physics Letters</i> , 2020, 754, 137713.	1.2	10
81	Transparent Nd ³⁺ -doped bismuth titanate glass-ceramic nanocomposites: Fabrication and properties. <i>Optical Materials Express</i> , 2014, 4, 843.	1.6	9
82	Single-step in-situ synthesis and optical properties of ZnSe nanostructured dielectric nanocomposites. <i>Journal of Applied Physics</i> , 2014, 115, 134309.	1.1	9
83	Effects of M ²⁺ (M = Ca, Sr, and Ba) Addition on Crystallization and Microstructure of SiO ₂ -MgO-Al ₂ O ₃ -B ₂ O ₃ -K ₂ O-F Glass. <i>Indian Journal of Materials Science</i> , 2015, 2015, 1-8.	0.6	9
84	Tuneable and Au-enhanced yellow emission in Dy ³⁺ /Au co-doped antimony oxide glass nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2017, 463, 40-49.	1.5	9
85	Nanocrystalline microstructure in Sm ³⁺ and Gd ³⁺ doped K ₂ O-MgO-Al ₂ O ₃ -SiO ₂ -F glass-ceramic sealant (SOFC). <i>Materials Advances</i> , 2020, 1, 463-468.	2.6	9
86	Nanostructuring and fluorescence properties of Eu ³⁺ :LiTaO ₃ in Li ₂ O-Ta ₂ O ₅ -SiO ₂ -Al ₂ O ₃ glass-ceramics. <i>Journal of Materials Science</i> , 2009, 44, 4495-4498.	1.7	8
87	One-step synthesis and properties of monolithic photoluminescent ruby colored cuprous oxide antimony oxide glass nanocomposites. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4999-5007.	2.8	8
88	Quantum and dielectric confinements of sub-10 nm gold in dichroic phosphate glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2014, 146, 198-203.	2.0	8
89	Structural and optical properties of ZnSe quantum dots in glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2015, 163, 554-561.	2.0	8
90	Effects of Nano-LiTaO ₃ Crystallization on the Dielectric and Optical Properties in Er ³⁺ -Doped Li ₂ O-Ta ₂ O ₅ -SiO ₂ -Al ₂ O ₃ Glasses. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 1031-1041.	1.1	7

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91	Synthesis of transparent chloroborosilicate nanoglass-ceramics: Crystallization and growth mechanism of BaCl ₂ nanocrystals. Journal of Asian Ceramic Societies, 2015, 3, 390-401.	1.0	7
92	Zr ⁴⁺ -controlled nucleation and microstructure in Si-Mg-Al-K-B-F glass-ceramic sealant (solid oxide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	7
93	Synthesis of nanocrystalline and mesoporous zinc sulphide from a single precursor Zn(SOCCH3) ₂ Lut ₂ complex. Journal of Physics and Chemistry of Solids, 2011, 72, 784-788.	1.9	6
94	SECOND HARMONIC GENERATION IN FERROELECTRIC LiTaO ₃ AND KNbO ₃ CONTAINING BULK NANO GLASS-CERAMICS. Journal of Nonlinear Optical Physics and Materials, 2011, 20, 49-61.	1.1	5
95	Nanostructured LiTaO ₃ and KNbO ₃ Ferroelectric Transparent Glass-Ceramics for Applications in Optoelectronics. , 2011, , .		4
96	Synthesis and properties of ZnTe and Eu ³⁺ ion co-doped glass nanocomposites. Journal of Applied Physics, 2014, 116, .	1.1	4
97	CdSe nanocrystals ingrained dielectric nanocomposites: synthesis and photoluminescence properties. Materials Research Express, 2015, 2, 015014.	0.8	4
98	Preparation and Properties of BaBiBO ₄ –SiO ₂ Glasses. International Journal of Applied Glass Science, 2010, 1, 368-377.	1.0	3
99	<i>In situ</i> generated CdS nanostructure induced enhanced photoluminescence from Dy ³⁺ ions doped dielectric nanocomposites. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700105.	0.8	3
100	Wide thermal expansion in Ag ₀ /Au ₀ nanoparticle doped SiO ₂ -MgO-Al ₂ O ₃ -B ₂ O ₃ -K ₂ O-MgF ₂ glass-ceramics. Materials Today: Proceedings, 2022, 50, 134-138.	0.9	3
101	Surface Properties of TiO ₂ –ZrO ₂ Powders in Aqueous Suspensions. Transactions of the Indian Ceramic Society, 1987, 46, 53-54.	0.4	2
102	Effects of TiO ₂ –SiO ₂ fillers on thermal and dielectric properties of bismuth glass microcomposite dielectrics for plasma display panel. Journal of Materials Science: Materials in Electronics, 2011, 22, 515-522.	1.1	2
103	Enhanced green and orange photoluminescence of nanostructured CdS in glass nanocomposites by energy transfer From Ho ³⁺ and Eu ³⁺ ions. Semiconductor Science and Technology, 2017, 32, 015003.	1.0	2
104	Influence of SiO ₂ and Al ₂ O ₃ Fillers on Thermal and Dielectric Properties of Barium Zinc Borate Glass Microcomposites for Barrier Rib of Plasma Display Panels (PDPs). Transactions of the Indian Ceramic Society, 2010, 69, 75-82.	0.4	1
105	Novel Plasmonic Nanometal - Rare-Earth Ions co-doped Antimony Glasses for Nanophotonic Applications. Materials Research Society Symposia Proceedings, 2015, 1788, 1-6.	0.1	1
106	Anomalous properties of chloroborosilicate glasses in the K ₂ O–BaO–Al ₂ O ₃ –B ₂ O ₃ –SiO ₂ –BaCl ₂ system. Bulletin of Materials Science, 2015, 38, 1487-1497.	0.8	1
107	Synthesis and characterization of lowTgAs-S-I chalcogenide glass for processing of raw diamonds. International Journal of Applied Glass Science, 2017, 8, 132-135.	1.0	1
108	Functional glass-ceramics. , 2017, , 119-208.		1

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109	Functionalization of glasses by 4f rare-earth metal ion doping. , 2017, , 65-117.		1
110	Nano Gold (Au ⁰) and Au ⁰ -Er ³⁺ Containing Plasmonic K ₂ O-ZnO-SiO ₂ Glass Nanocomposites: Processing and Properties. Transactions of the Indian Ceramic Society, 2018, 77, 12-19.	0.4	1
111	Effects of Some Variables on the Point of Zero Charge of TiO ₂ –ZrO ₂ Double Oxides. Bulletin of the Chemical Society of Japan, 1989, 62, 1373-1375.	2.0	0
112	Processing and Characterization of In-Situ Generated Nanosilver and Er ³⁺ Co-Doped Bromoborosilicate Glass Nanocomposites. Journal of Nanoscience and Nanotechnology, 2015, 15, 6582-6591.	0.9	0
113	Glasses and glass-ceramics for biomedical applications. , 2017, , 253-280.		0
114	Functionalization of glasses by incorporation of semiconductor. , 2017, , 235-252.		0