Jong Heo

List of Publications by Year
in descending order

164 papers	4,164 citations	136740 32 h-index	155451 55 g-index
166 all docs	166 docs citations	166 times ranked	2444 citing authors

#	Article	IF	Citations
1	Vitrification of fly ash from municipal solid waste incinerator. Journal of Hazardous Materials, 2002, 91, 83-93.	6.5	232
2	Vibrational spectra and structure of heavy metal oxide glasses. Journal of Non-Crystalline Solids, 1996, 202, 233-240.	1.5	226
3	Phosphor in glasses with Pb-free silicate glass powders as robust color-converting materials for white LED applications. Optics Letters, 2012, 37, 3276.	1.7	174
4	Raman spectroscopic analysis on the solubility mechanism of La3+ in GeS2â€“Ga2S3 glasses. Journal of Non-Crystalline Solids, 1998, 238, 115-123.	1.5	158
5	1.3 Î¼m emission and multiphonon relaxation phenomena in PbOî—¸Bi2O3î—¸Ga2O3 glasses doped with rare-earths. Journal of Non-Crystalline Solids, 1997, 217, 199-207.	1.5	126
6	Comparative study of energy transfers from Er[sup 3+] to Ce[sup 3+] in tellurite and sulfide glasses under 980 nm excitation. Journal of Applied Physics, 2000, 88, 3832.	1.1	104
7	Control of chromaticity by phosphor in glasses with low temperature sintered silicate glasses for LED applications. Optics Letters, 2014, 39, 4084.	1.7	87
8	Emission properties of the transition in Er3+- and Er3+/Tm3+-doped Geâ€“Gaâ€“Asâ€“S glasses. Journal of Non-Crystalline Solids, 2000, 278, 137-144.	1.5	86
9	1.6 Î¼m emission from Pr3+:â€Š(3F3,3F4)â†’3H4 transition in Pr3+- and Pr3+/Er3+-doped selenide glasses. Applied Physics Letters, 2001, 78, 1249-1251.	1.5	83
10	Spectroscopic Properties of and Energy Transfer in PbOâ€“Bi₂O₃â€“Ga₂O₃ Glass Doped with Er₂O₃. Journal of the American Ceramic Society, 1999, 82, 2762-2768.	1.9	71
11	Photoluminescence of PbS quantum dots embedded in glasses. Journal of Non-Crystalline Solids, 2008, 354, 618-623.	1.5	70
12	Multiphonon and cross relaxation phenomena in Geî—¸As(or Ga)î—¸S glasses doped with Tm3+. Journal of Non-Crystalline Solids, 1996, 208, 29-35.	1.5	69
13	Phosphor in glass with Eu3+ and Pr3+-doped silicate glasses for LED color conversion. Optical Materials, 2015, 41, 67-70.	1.7	64
14	Emission properties of PbOâ^'Bi2O3â^'Ga2O3â^'GeO2 glasses doped with Tm3+ and Ho3+. Journal of Applied Physics, 2003, 93, 9441-9445.	1.1	62
15	Optical characteristics of rare-earth-doped sulphide glasses. Journal of Materials Science Letters, 1995, 14, 1014-1016.	0.5	54
16	2.0 Î¼m Emission Properties and Energy Transfer between Ho³⁺ and Tm³⁺ in PbOâ€”Bi₂O₃â€”Ga₂O₃ Glasses. Journal of the American Ceramic Society, 2000, 83, 787-791.	1.9	51
17	Generation of white light from oxy-fluoride nano-glass doped with Ho3+, Tm3+ and Yb3+. Materials Letters, 2007, 61, 3751-3754.	1.3	49
18	Mechanism of the enhancement of mid-infrared emission from GeS2-Ga2S3 chalcogenide glass-ceramics doped with Tm3+. Applied Physics Letters, 2012, 100, .	1.5	49

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19	Enhancement of the 1.31-Î¼m emission properties of Dy³⁺-doped Geâ€“Gaâ€“S glasses with the addition of alkali halides. Journal of Materials Research, 2001, 16, 1318-1324.	1.2	44
20	Stable and Colorâ€Tailorable White Light from Blue <scp>LED</scp>s Using Colorâ€Converting Phosphorâ€“Glass Composites. Journal of the American Ceramic Society, 2014, 97, 342-345.	1.9	44
21	Optical properties of CdSe quantum dots in silicate glasses. Journal of Non-Crystalline Solids, 2010, 356, 2299-2301.	1.5	43
22	Ga K-edge EXAFS analysis on the coordination of gallium in PbOâ€“Ga2O3 glasses. Journal of Non-Crystalline Solids, 1997, 221, 199-207.	1.5	40
23	Modification of the local phonon modes and electronâ€“phonon coupling strengths in Dy3+-doped sulfide glasses for efficient 1.3 Î¼m amplification. Chemical Physics Letters, 2000, 317, 637-641.	1.2	39
24	Ge and Ga K-edge EXAFS analyses on the structure of Geâ€“Gaâ€“Sâ€“CsBr glasses. Journal of Non-Crystalline Solids, 2006, 352, 423-428.	1.5	39
25	Pbs quantum-dots in glass matrix for universal fiber-optic amplifier. Journal of Materials Science: Materials in Electronics, 2007, 18, 135-139.	1.1	38
26	Surface Passivation of CdSe Quantum Dots in All Inorganic Amorphous Solid by Forming Cd1âˆ’xZnxSe Shell. Scientific Reports, 2017, 7, 42359.	1.6	38
27	1.48-Î¼m emission properties and energy transfer between Tm3+ and Ho3+âˆ•Tb3+ in Geâ€“Gaâ€“Asâ€“Sâ€“CsBr glasses. Journal of Applied Physics, 2005, 97, 083542.	1.1	37
28	Dy3+ doped Ge-Ga-Sb-Se glasses and optical fibers for the mid-IR gain media. Journal of the Ceramic Society of Japan, 2008, 116, 1087-1091.	0.5	36
29	Temperature-dependent brightening and darkening of photoluminescence from PbS quantum dots in glasses. Applied Physics Letters, 2007, 90, 241111.	1.5	34
30	Electron Energy Loss Spectroscopy Analysis on the Preferential Incorporation of <scp><scp>Er</scp></scp>³⁺ Ions into Fluoride Nanocrystals in Oxyfluoride Glassâ€Ceramics. Journal of the American Ceramic Society, 2012, 95, 2100-2102.	1.9	34
31	Lead Chalcogenide Quantum Dotâ€Doped Glasses for Photonic Devices. International Journal of Applied Glass Science, 2013, 4, 163-173.	1.0	34
32	A complete inorganic colour converter based on quantum-dot-embedded silicate glasses for white light-emitting-diodes. Chemical Communications, 2016, 52, 3564-3567.	2.2	34
33	Emission characteristics of Geî—¸Gaî—¸S glasses doped with Tm3+/Ho3+. Journal of Non-Crystalline Solids, 1996, 203, 176-181.	1.5	33
34	Energy transfer processes andHo3+:I55level population dynamics in chalcohalide glasses. Physical Review B, 2006, 73, .	1.1	32
35	Intense up-conversion emission from Er³⁺/Yb³⁺ ion co-doped transparent oxyfluoride glass-ceramics containing Y₅O₄F₇ nanorods for optical thermometry. Journal of Materials Chemistry C, 2019, 7, 6134-6143.	2.7	32
36	Analysis of cross relaxation between Tm3+ ions in PbOâˆ’Bi2O3âˆ’Ga2O3âˆ’GeO2 glass. Journal of Applied Physics, 2003, 94, 2817-2820.	1.1	30

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37	Absorption and photoluminescence of PbS QDs in glasses. Journal of Non-Crystalline Solids, 2009, 355, 1880-1883.	1.5	30
38	Phosphor-in-glass with Nd-doped glass for a white LED with a wide color gamut. Optics Letters, 2018, 43, 627.	1.7	30
39	Lead Sulfide Quantum Dots Formation in Glasses Controlled by Erbium Ions. Journal of the American Ceramic Society, 2010, 93, 3092-3094.	1.9	29
40	Immobilization and bonding scheme of radioactive iodine-129 in silver tellurite glass. Journal of Nuclear Materials, 2017, 492, 239-243.	1.3	29
41	1.2 Î¼m persistent luminescence of Ho³⁺ in LaAlO₃ and LaGaO₃ perovskites. Journal of Materials Chemistry C, 2018, 6, 11374-11383.	2.7	29
42	EXAFS spectroscopic study of PbOâ€“Bi2O3â€“Ga2O3 glasses. Journal of Non-Crystalline Solids, 1999, 259, 205-211.	1.5	28
43	Calcium-borosilicate glass-ceramics wasteforms to immobilize rare-earth oxide wastes from pyro-processing. Journal of Nuclear Materials, 2015, 467, 224-228.	1.3	28
44	Pr³⁺- and Pr³⁺/ Er³⁺-Doped Selenide Glasses for Potential 1.6 mm Optical Amplifier Materials. ETRI Journal, 2001, 23, 97-105.	1.2	27
45	Mid-infrared luminescence from Sn-modified PbSe quantum dots in silicate glasses. Journal of Non-Crystalline Solids, 2016, 431, 93-96.	1.5	27
46	1.6Î¼m emission and gain properties of Ho3+ in selenide and chalcohalide glasses. Journal of Applied Physics, 2005, 98, 113510.	1.1	26
47	Germanosilicate glasses containing PbSe quantum dots for mid-infrared luminescence. Journal of Non-Crystalline Solids, 2016, 431, 79-82.	1.5	26
48	Optical properties of PbSe quantum dots doped in borosilicate glass. Journal of Non-Crystalline Solids, 2009, 355, 1897-1899.	1.5	25
49	Influence of silver nanoclusters on formation of PbS quantum dots in glasses. Journal of Non-Crystalline Solids, 2011, 357, 2428-2430.	1.5	25
50	Crystallization and local environment of rare-earth ions in oxy-fluoride nanostructured glasses. Journal of Non-Crystalline Solids, 2005, 351, 2317-2323.	1.5	24
51	EXAFS investigation on the structural environment of Tm3+ in Geâ€“Gaâ€“Sâ€“CsBr glasses. Journal of Non-Crystalline Solids, 2007, 353, 1251-1254.	1.5	24
52	Local structure and its effect on the oscillator strengths and emission properties of Ho3+ in chalcohalide glasses. Journal of Non-Crystalline Solids, 2008, 354, 3107-3112.	1.5	24
53	Local Heating from Silver Nanoparticles and Its Effect on the Er³⁺ Upconversion in Oxyfluoride Glasses. Journal of the American Ceramic Society, 2010, 93, 3349-3353.	1.9	24
54	A low sintering temperature glass based on SiO₂â€“P₂O₅â€“ZnOâ€“B₂O₃â€“R₂O system for white <scp>LED</scp>s with high color rendering index. Journal of the American Ceramic Society, 2017, 100, 5186-5192.	1.9	24

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55	Room temperature persistent spectral hole burning in x-ray irradiated Eu3+-doped borate glasses. Applied Physics Letters, 2001, 79, 326-328.	1.5	23
56	Optimization of Dy-doped Geâ€“Gaâ€“Asâ€“Sâ€“CsBr glass composition and its 1.31 Î¼m emission properties. Journal of Non-Crystalline Solids, 2002, 298, 153-159.	1.5	23
57	Rare-earth doped chalcogenide glasses for fiber-optic amplifiers. Journal of Non-Crystalline Solids, 2003, 326-327, 410-415.	1.5	23
58	Laser-induced blue-shift of the photoluminescence from PbS quantum dots in glasses. Chemical Physics Letters, 2008, 452, 281-284.	1.2	23
59	Controlled Precipitation of Lead Sulfide Quantum Dots in Glasses Using the Femtosecond Laser Pulses. Journal of the American Ceramic Society, 2010, 93, 1221-1224.	1.9	23
60	Effect of Silver Ionâ€Exchange on the Precipitation of Lead Sulfide Quantum Dots in Glasses. Journal of the American Ceramic Society, 2012, 95, 2880-2884.	1.9	23
61	Characterization and X-ray Photoelectron Spectroscopy Investigation of PbO-Bi2O3-Ga2O3 Glasses. Journal of the American Ceramic Society, 1995, 78, 1285-1290.	1.9	22
62	Co2+/PMS based sulfate-radical treatment for effective mineralization of spent ion exchange resin. Chemosphere, 2022, 287, 132351.	4.2	22
63	Energy transfer between Er3+ and Pr3+ in chalcogenide glasses for dual-wavelength fiber-optic amplifiers. Journal of Applied Physics, 2002, 91, 9072-9077.	1.1	21
64	Cross relaxation mechanism among Tm3+ ions in Ge30Ga2As6S62 glass. Journal of Non-Crystalline Solids, 2003, 316, 302-308.	1.5	21
65	1.48 Î¼m emission properties and the cross-relaxation mechanism in chalcohalide glass doped with Tm3+. Journal of Non-Crystalline Solids, 2003, 321, 210-216.	1.5	21
66	Extreme hypersensitivity observed from 6H15/2â†”6F11/2 transition of Dy3+ in inorganic noncrystalline solids. Chemical Physics Letters, 2005, 403, 29-34.	1.2	21
67	Effect of CsBr addition on the emission properties of Tm3+ ion in Ge-Ga-S glass. Journal of Materials Research, 2006, 21, 2323-2330.	1.2	21
68	Solidification and recycling of incinerator bottom ash through the addition of colloidal silica (SiO2) solution. Waste Management, 2007, 27, 1207-1212.	3.7	21
69	Visible light emission from selenium color centers formed in silicate glasses. Optical Materials, 2012, 34, 1231-1234.	1.7	21
70	Magnesium potassium phosphate cements to immobilize radioactive concrete wastes generated by decommissioning of nuclear power plants. Nuclear Engineering and Technology, 2021, 53, 2261-2267.	1.1	21
71	Crossrelaxations between and multiphonon relaxation of near-infrared excited states of Pr3+ ions in selenide glasses. Chemical Physics Letters, 2003, 368, 625-629.	1.2	20
72	Energy Transfer Process for the Blue Upâ€Conversion in Calcium Aluminate Glasses Doped with Tm³⁺ and Nd³⁺. Journal of the American Ceramic Society, 2001, 84, 348-52.	1.9	20

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73	Controlling fluorescence lifetime of rare-earth element in amorphous inorganic solids via very small compositional adjustments. Journal of Applied Physics, 2005, 98, 023523.	1.1	20
74	Optical modulation of near-infrared photoluminescence from lead sulfide quantum dots in glasses. Applied Physics Letters, 2009, 94, 021103.	1.5	20
75	Effect of Tb3+ co-doping on the electron population densities of Tm3+ in Geâ€“Asâ€“Gaâ€“S glasses. Journal of Applied Physics, 2000, 88, 2515-2518.	1.1	19
76	Spectroscopic Properties and Local Structure of Eu³⁺ in Geâ€“Gaâ€“Sâ€“CsBr (or CsCl) Glasses. Journal of the American Ceramic Society, 2003, 86, 286-290.	1.9	19
77	<scp>CdS</scp> Quantum Dots in Glass: â€œModification of Photoluminescence by Silver Dopingâ€• International Journal of Applied Glass Science, 2011, 2, 157-161.	1.0	19
78	Leaching behaviors and mechanisms of vitrified forms for the low-level radioactive solid wastes. Journal of Hazardous Materials, 2020, 384, 121296.	6.5	19
79	Chalcohalide glasses for infrared fiber optics. Optical Engineering, 1991, 30, 470.	0.5	18
80	Emission properties of Ho3+âˆ•Tb3+ Co-doped in Ge30Ga2As8S60 glass. Journal of Applied Physics, 2004, 96, 4827-4832.	1.1	18
81	Infrared photoluminescence from lead sulfide quantum dots in glasses enriched in sulfur. Journal of Non-Crystalline Solids, 2014, 391, 39-42.	1.5	18
82	Vitusite glass-ceramics wasteforms for immobilization of lanthanide wastes generated by pyro-processing. Ceramics International, 2015, 41, 6132-6136.	2.3	18
83	Direct Imaging of the Distribution of Nd³⁺ Ions in Glasses Containing PbS Quantum Dots. Journal of the American Ceramic Society, 2015, 98, 2074-2077.	1.9	18
84	Compositional dependency of Cdâ€“Sâ€“Se quantum dots within silicate glass on color conversion for a white <scp>LED</scp>. Journal of the American Ceramic Society, 2019, 102, 1703-1709.	1.9	18
85	Pr³⁺/Er³⁺ Codoped Geâ€“Asâ€“Gaâ€“S Glasses as Dualâ€“Wavelength Fiberâ€•optic Amplifiers for 1.31 and 1.55 Î¼m Windows. Journal of the American Ceramic Society, 2000, 83, 1284-1286.	1.9	17
86	Mechanism of the Blue Upâ€“Conversion in Tm³⁺/Nd³⁺â€•doped Calcium Aluminate Glasses. Journal of the American Ceramic Society, 1997, 80, 1485-1490.	1.9	17
87	Chemical characteristics of Dyâ€“S bonds in Geâ€“Asâ€“S glass. Journal of Non-Crystalline Solids, 2007, 353, 1665-1669.	1.5	17
88	Direct imaging of inhomogeneous distribution of Er3+ ions in lead fluoride nanocrystals. Journal of Non-Crystalline Solids, 2013, 365, 1-5.	1.5	17
89	Infrared emission from Er3+/Y3+ co-doped oxyfluoride glass-ceramics. Journal of Non-Crystalline Solids, 2014, 404, 37-42.	1.5	17
90	Emission properties and local structure of Tm3+ in Geâ€“Gaâ€“Sâ€“Br glass. Journal of Non-Crystalline Solids, 2007, 353, 1676-1680.	1.5	16

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91	Compositional dependences on the mechanism of upconversion in Nd3+/Tm3+ co-doped chalcohalide glasses. Journal of Non-Crystalline Solids, 2011, 357, 2421-2423.	1.5	16
92	Energy transfer and 1.48 Î¼m emission properties in chalcohalide glasses doped with Tm3+and Tb3+. Journal of Non-Crystalline Solids, 2003, 331, 184-189.	1.5	15
93	New functional glasses containing semiconductor quantum dots. Physica Scripta, 2010, T139, 014062.	1.2	15
94	Lead sulfide quantum dots in glasses controlled by silver diffusion. Journal of Non-Crystalline Solids, 2012, 358, 921-924.	1.5	15
95	Compositional dependence of Se2â^' color center formation in silicate glasses. Journal of Non-Crystalline Solids, 2013, 377, 70-73.	1.5	15
96	Lead sulfide quantum dots in glasses containing rare-earth ions. Journal of Non-Crystalline Solids, 2014, 383, 173-175.	1.5	15
97	Optical thermometry of Sm³⁺ on laserâ€induced local heating for precipitation of PbS quantum dots in glasses. Journal of the American Ceramic Society, 2018, 101, 3372-3376.	1.9	15
98	Development, characterization and dissolution behavior of calcium-aluminoborate glass wasteforms to immobilize rare-earth oxides. Scientific Reports, 2018, 8, 5320.	1.6	15
99	The effect of rare earth on color conversion properties of Cdâ€“Sâ€“Se quantum dot embedded silicate glasses for white LED. Optical Materials, 2021, 111, 110545.	1.7	15
100	Continuousâ€wave laser irradiation to form Cd_{1â^'}<scp>_xZ</scp>n_xSe shell on CdSe <scp>QD</scp>s in silicate glasses. Journal of the American Ceramic Society, 2019, 102, 4555-4561.	1.9	14
101	Compositional dependence of the 1.3 Î¼m emission and energy transfer mechanism in Geâ€“Gaâ€“S glasses doped with Pr3+. Journal of Non-Crystalline Solids, 1999, 259, 31-38.	1.5	13
102	Emission and local structure of rare-earth ions in chalcogenide glasses. Journal of Non-Crystalline Solids, 2007, 353, 1358-1363.	1.5	13
103	Effects of YF3 doping on the optical properties of Er3+ ions in oxyfluoride glassâ€“ceramics. Journal of Luminescence, 2014, 153, 252-258.	1.5	13
104	Phosphorâ€inâ€fluorescentâ€glasses for high color rendering white light emitting diodes. Journal of the American Ceramic Society, 2017, 100, 2378-2381.	1.9	13
105	Excitation-wavelength- and size-dependent photo-darkening and photo-brightening of photoluminescence from PbS quantum dots in glasses. Optical Materials Express, 2019, 9, 504.	1.6	13
106	Fluorescence and persistent spectral hole burning of Eu3+ in Geâ€“Gaâ€“Sâ€“KBr glasses. Journal of Luminescence, 2002, 99, 73-77.	1.5	12
107	Up-conversion and photon avalanche in oxy-fluoride nano-structured glasses doped with Ho3+. Journal of Non-Crystalline Solids, 2006, 352, 5325-5330.	1.5	12
108	Plasmonâ€Assisted Precipitation of <scp><scp>PbS</scp></scp> Quantum Dots in Glasses Containing <scp><scp>Ag</scp></scp> Nanoparticles. Journal of the American Ceramic Society, 2014, 97, 2420-2422.	1.9	11

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109	Direct observation of Nd 3+ and Tm 3+ ion distributions in oxy-fluoride glass ceramics containing PbF 2 nanocrystals. Materials Characterization, 2014, 98, 228-232.	1.9	10
110	Nanocrystal Formation in Glasses Controlled by Rare Earth Ions. International Journal of Applied Glass Science, 2014, 5, 104-113.	1.0	10
111	Compositional Dependence of <scp><scp>CdSe</scp></scp> Quantum Dot Formation on Silicate Host Glass Composition. Journal of the American Ceramic Society, 2013, 96, 3868-3871.	1.9	9
112	Down-conversion in Tm3+/Yb3+ doped glasses for multicrystalline silicon photo-voltaic module efficiency enhancement. Journal of Non-Crystalline Solids, 2014, 383, 181-183.	1.5	9
113	Precipitation of PbS quantum dots in glasses by thermal diffusion of Ag+ ions from silver pastes. Journal of Non-Crystalline Solids, 2014, 387, 76-78.	1.5	9
114	Band gap tuning of PbSe quantum dots by SrO addition in silicate glasses. Journal of Non-Crystalline Solids, 2016, 452, 40-44.	1.5	9
115	Midinfrared emission properties of Pr3+-doped chalcogenide glasses at cryogenic temperature. Journal of Applied Physics, 2003, 93, 8970-8974.	1.1	8
116	Energy Transfer and Population Inversion in Heavy Metal Oxide Glasses Doped with Tm³⁺ and Tb³⁺. Journal of the American Ceramic Society, 2004, 87, 1903-1906.	1.9	8
117	Up-conversion fluorescence and low-temperature emission in Er3+-doped GeGaSâ€“CsBr glasses. Journal of Non-Crystalline Solids, 2010, 356, 2393-2396.	1.5	8
118	Luminescence Enhancement of <scp><scp>CdS</scp></scp> Quantum Dots in Glass by <scp><scp>Ag</scp></scp>⁺ Ion Exchange. Journal of the American Ceramic Society, 2013, 96, 1138-1142.	1.9	8
119	980 nm upconversion luminescence from oxy-fluoride glasses and glass-ceramics doped with Yb3+and Er3+ ions. Journal of Non-Crystalline Solids, 2014, 383, 188-191.	1.5	8
120	Second Harmonic Generation from Thermally Poled Ge-S Glass System. Journal of the Ceramic Society of Japan, 2005, 113, 728-732.	1.3	7
121	Near-infrared photoluminescence of PbS QDs precipitated in the glass matrix. Journal of the Ceramic Society of Japan, 2008, 116, 1071-1074.	0.5	7
122	White upconversion luminescence generation from Ho3+ singly doped chalcohalide glasses. Materials Research Bulletin, 2014, 55, 102-105.	2.7	7
123	Dual-band photoluminescence of lead selenide quantum dots doped oxyfluoride glass-ceramics containing BaF2 nanocrystals. Journal of Non-Crystalline Solids, 2014, 385, 136-141.	1.5	7
124	Formation of channels containing lead sulfide quantum dots using continuous-wave laser for active planar waveguides in glasses. Optical Materials Express, 2017, 7, 281.	1.6	7
125	Sensitizing effect of Yb³⁺ on near-infrared fluorescence emission of Cr⁴⁺-doped calcium aluminate glasses. Journal of Materials Research, 2000, 15, 278-281.	1.2	6
126	Optimized combination of Ho3+ and sulfide glass for U-band fiber-optic amplifiers. Chemical Physics Letters, 2004, 384, 16-19.	1.2	6

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127	Populations and Emission Properties of the5I6and5I7Levels in Ho3+Doped into PbOâ€“Bi2O3â€“Ga2O3Glasses. Journal of the American Ceramic Society, 2008, 91, 938-941.	1.9	6
128	Electric field-assisted Ag+ migration for PbS quantum dot formation in glasses. Journal of Non-Crystalline Solids, 2013, 377, 254-256.	1.5	6
129	Cdâ€“Sâ€“Se quantum dot embedded glasses with dual emissions for wide color gamut white LED. International Journal of Applied Glass Science, 2021, 12, 415-423.	1.0	6
130	Quantitative Identification of Phonon Modes Controlling the Multiphonon Relaxation in Heavy-Metal Oxide Glasses. Journal of the American Ceramic Society, 2004, 87, 1381-1383.	1.9	5
131	Novel nano-structured glasses containing semiconductor quantum dots: controlling the photoluminescence with phonons and photons. Journal of Materials Science: Materials in Electronics, 2009, 20, 282-285.	1.1	5
132	Compositional dependency of upconversion luminescence of Nd3+ doped Geâ€“Gaâ€“Sâ€“CsBr chalcohalide glasses. Journal of Non-Crystalline Solids, 2014, 406, 27-30.	1.5	5
133	Evolution of Strong Red Upconversion Luminescence in Er³⁺â€Containing Oxyâ€Fluoride Glass and Glassâ€Ceramics. Journal of the American Ceramic Society, 2014, 97, 789-792.	1.9	5
134	Structure analysis of vitusite glassâ€“ceramic waste forms using extended X-ray absorption fine structures. Ceramics International, 2017, 43, 4687-4691.	2.3	5
135	Role of Nd³⁺ ions on the nucleation and growth of PbS quantum dots (<scp>QD</scp>s) in silicate glasses. Journal of the American Ceramic Society, 2017, 100, 2879-2884.	1.9	5
136	Tuning the band gap of PbSe quantum dots in glasses by TiO doping. Journal of Materials Science: Materials in Electronics, 2017, 28, 7013-7017.	1.1	5
137	Mechanism of the room-temperature persistent spectral hole burning in borate glasses doped with Eu3+. Journal of Applied Physics, 2002, 92, 1274-1279.	1.1	4
138	Enhancement in lifetimes of the Pr3+: 1.6 Î¼m emission in Ge-Ga-As-Se glasses with CsBr addition. Journal of Materials Science Letters, 2003, 22, 795-798.	0.5	4
139	Photoâ€Induced Effect in Heavy Metal Oxide Glasses. Journal of the American Ceramic Society, 2010, 93, 913-914.	1.9	4
140	Substrate-Dependent Growth Mode Control of MoS₂ Monolayers: Implications for Hydrogen Evolution and Field-Effect Transistors. ACS Applied Nano Materials, 2022, 5, 4336-4342.	2.4	4
141	Fabrication and heat treatment effects on absorption characteristics of glass fibers doped with PbTe semiconductor quantum dots. , 0, , .		3
142	H2O influence evaluating and mid-IR fluorescence quenching in Tm3+-doped GeGaSCsI chalcohalide glasses. Journal of Non-Crystalline Solids, 2011, 357, 2403-2408.	1.5	3
143	Band Gap and Diameter Modulation of Quantum Dots in Glasses. International Journal of Applied Glass Science, 2015, 6, 329-338.	1.0	3
144	Evaluation of thermal stability in deep geological repository and nuclear criticality safety of spent nuclear fuel vitrified in iron phosphate glass. Annals of Nuclear Energy, 2020, 136, 107055.	0.9	3

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145	Preparation of photostable near-infrared luminescent glass with quantum dot-layered double hydroxide composites. Journal of Materials Chemistry C, 2016, 4, 8624-8627.	2.7	2
146	Formation of core/shell PbS/Na_2SrSi_2O_6 nanocrystals in glass. Optical Materials Express, 2016, 6, 578.	1.6	2
147	Ceramic Immobilization Options for Technetium. MRS Advances, 2017, 2, 753-758.	0.5	2
148	Electric fieldâ€assisted precipitation of lead selenide quantum dots in borosilicate glass. Journal of the American Ceramic Society, 2018, 101, 4447-4451.	1.9	2
149	Atom Probe Tomographic Imaging of PbS Quantum Dot Formation on Neodymium Clusters in Silicate Glasses. Scientific Reports, 2019, 9, 10029.	1.6	2
150	Direct Precipitation of CdS Nanocrystals in Glass by Ultrafast Laser Pulses. Materials Letters, 2021, , 130974.	1.3	2
151	Optical properties of Pr3+ in selenide glasses modified with CsI. Journal of Non-Crystalline Solids, 2007, 353, 1350-1353.	1.5	1
152	Nd3+ sensitized blue upconversion luminescence in Nd3+/Pr3+ co-doped Geâ€“Gaâ€“Sâ€“CsBr chalcohalide glasses. Journal of Non-Crystalline Solids, 2010, 356, 2406-2408.	1.5	1
153	Laser precipitation of PbS quantum dots in glass rods to achieve broadband nearâ€infrared emission. International Journal of Applied Glass Science, 2020, 11, 272-276.	1.0	1
154	Identification of core/shell structure in Cdâ€Znâ€Se QDs inside silicate glasses using 3D elemental distribution analysis. Journal of the American Ceramic Society, 2021, 104, 294-301.	1.9	1
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